

경상북도 기후변화 전망보고서 2023

SSP 4종 시나리오에 따른
기후변화 전망



CONTENTS

CHAPTER 01	서론	
	1. 발간 배경 및 목적	12
	2. 기후변화 시나리오 정의 및 개념	12
	3. 기후변화 시나리오 산출 과정	13
	4. SSP 미래 기후변화 전망	14
CHAPTER 02	분석 자료와 방법	
	1. 분석 자료	18
	2. 분석 방법	20
CHAPTER 03	경상북도의 현재 기후	
	1. 기후요소	24
	2. 극한기후지수	30
CHAPTER 04	경상북도의 미래 기후변화 전망	
	1. 기후요소	42
	2. 극한기후지수	95
	3. 계절길이	215
	참고 문헌	217

표 목차

표 1-1. SSP 시나리오(4종)	13
표 1-2. 미래 평균기온(°C) 및 강수량(mm) 변화	15
표 2-1. 극한기후지수 정의	19
표 2-2. 계절 시작일 기준(기상청, 2012)	20
표 3-1. 현재(2000-2019년) 경상북도 연평균 및 계절별 평균기온(°C)	26
표 3-2. 현재(2000-2019년) 경상북도 연평균 및 계절별 최고기온(°C)	27
표 3-3. 현재(2000-2019년) 경상북도 연평균 및 계절별 최저기온(°C)	28
표 3-4. 현재(2000-2019년) 경상북도 연평균 및 계절별 강수량(mm)	29
표 3-5. 현재(2000-2019년) 경상북도 고온 관련 극한기후지수	32
표 3-6. 현재(2000-2019년) 경상북도 저온 관련 극한기후지수	35
표 3-7. 현재(2000-2019년) 경상북도 강수 극한기후지수	38
표 4-1. 경상북도의 연평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)	44
표 4-2. 경상북도의 연평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)	45
표 4-3. 경상북도의 연평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)	46
표 4-4. 경상북도의 연평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)	47
표 4-5. 경상북도의 계절별 평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)	52
표 4-6. 경상북도의 계절별 평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)	53
표 4-7. 경상북도의 계절별 평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)	54
표 4-8. 경상북도의 계절별 평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)	55
표 4-9. 경상북도의 연평균 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)	58
표 4-10. 경상북도의 연평균 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)	59
표 4-11. 경상북도의 연평균 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)	60
표 4-12. 경상북도의 연평균 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)	61
표 4-13. 경상북도의 계절별 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)	66
표 4-14. 경상북도의 계절별 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)	67
표 4-15. 경상북도의 계절별 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)	68
표 4-16. 경상북도의 계절별 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)	69
표 4-17. 경상북도의 연평균 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)	72
표 4-18. 경상북도의 연평균 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)	73
표 4-19. 경상북도의 연평균 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)	74
표 4-20. 경상북도의 연평균 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)	75
표 4-21. 경상북도의 계절별 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)	80
표 4-22. 경상북도의 계절별 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)	81

표 4-23. 경상북도의 계절별 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)	82
표 4-24. 경상북도의 계절별 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)	83
표 4-25. 경상북도의 연강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP1-2.6)	87
표 4-26. 경상북도의 연강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP2-4.5)	88
표 4-27. 경상북도의 연강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP3-7.0)	89
표 4-28. 경상북도의 연강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP5-8.5)	90
표 4-29. 경상북도의 계절별 강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP1-2.6)	91
표 4-30. 경상북도의 계절별 강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP2-4.5)	92
표 4-31. 경상북도의 계절별 강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP3-7.0)	93
표 4-32. 경상북도의 계절별 강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP5-8.5)	94
표 4-33. 경상북도의 폭염일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	98
표 4-34. 경상북도의 폭염일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	99
표 4-35. 경상북도의 폭염일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	100
표 4-36. 경상북도의 폭염일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	101
표 4-37. 경상북도의 열대야일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	103
표 4-38. 경상북도의 열대야일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	104
표 4-39. 경상북도의 열대야일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	105
표 4-40. 경상북도의 열대야일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	106
표 4-41. 경상북도의 여름일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	108
표 4-42. 경상북도의 여름일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	109
표 4-43. 경상북도의 여름일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	110
표 4-44. 경상북도의 여름일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	111
표 4-45. 경상북도의 온난일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	113
표 4-46. 경상북도의 온난일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	114
표 4-47. 경상북도의 온난일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	115
표 4-48. 경상북도의 온난일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	116
표 4-49. 경상북도의 온난야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	118
표 4-50. 경상북도의 온난야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	119
표 4-51. 경상북도의 온난야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	120
표 4-52. 경상북도의 온난야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	121
표 4-53. 경상북도의 일최고기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)	123
표 4-54. 경상북도의 일최고기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)	124
표 4-55. 경상북도의 일최고기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)	125

표 4-56. 경상북도의 일최고기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)	126
표 4-57. 경상북도의 일최저기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)	128
표 4-58. 경상북도의 일최저기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)	129
표 4-59. 경상북도의 일최저기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)	130
표 4-60. 경상북도의 일최저기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)	131
표 4-61. 경상북도의 일교차 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)	133
표 4-62. 경상북도의 일교차 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)	134
표 4-63. 경상북도의 일교차 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)	135
표 4-64. 경상북도의 일교차 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)	136
표 4-65. 경상북도의 식물성장가능기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	138
표 4-66. 경상북도의 식물성장가능기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	139
표 4-67. 경상북도의 식물성장가능기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	140
표 4-68. 경상북도의 식물성장가능기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	141
표 4-69. 경상북도의 한파일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	145
표 4-70. 경상북도의 한파일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	146
표 4-71. 경상북도의 한파일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	147
표 4-72. 경상북도의 한파일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	148
표 4-73. 경상북도의 결빙일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	150
표 4-74. 경상북도의 결빙일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	151
표 4-75. 경상북도의 결빙일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	152
표 4-76. 경상북도의 결빙일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	153
표 4-77. 경상북도의 서리일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	155
표 4-78. 경상북도의 서리일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	156
표 4-79. 경상북도의 서리일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	157
표 4-80. 경상북도의 서리일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	158
표 4-81. 경상북도의 한랭일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	160
표 4-82. 경상북도의 한랭일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	161
표 4-83. 경상북도의 한랭일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	162
표 4-84. 경상북도의 한랭일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	163
표 4-85. 경상북도의 한랭야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	165
표 4-86. 경상북도의 한랭야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	166
표 4-87. 경상북도의 한랭야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	167
표 4-88. 경상북도의 한랭야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	168
표 4-89. 경상북도의 일최고기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)	170
표 4-90. 경상북도의 일최고기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)	171
표 4-91. 경상북도의 일최고기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)	172

표 4-92. 경상북도의 일최고기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)	173
표 4-93. 경상북도의 일최저기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)	175
표 4-94. 경상북도의 일최저기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)	176
표 4-95. 경상북도의 일최저기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)	177
표 4-96. 경상북도의 일최저기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)	178
표 4-97. 경상북도의 호우일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	181
표 4-98. 경상북도의 호우일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	182
표 4-99. 경상북도의 호우일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	183
표 4-100. 경상북도의 호우일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	184
표 4-101. 경상북도의 강수강도 21세기 전망과 현재 기후 값 대비 편차(mm/일)(SSP1-2.6)	186
표 4-102. 경상북도의 강수강도 21세기 전망과 현재 기후 값 대비 편차(mm/일)(SSP2-4.5)	187
표 4-103. 경상북도의 강수강도 21세기 전망과 현재 기후 값 대비 편차(mm/일)(SSP3-7.0)	188
표 4-104. 경상북도의 강수강도 21세기 전망과 현재 기후 값 대비 편차(mm/일)(SSP5-8.5)	189
표 4-105. 경상북도의 1일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP1-2.6)	191
표 4-106. 경상북도의 1일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP2-4.5)	192
표 4-107. 경상북도의 1일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP3-7.0)	193
표 4-108. 경상북도의 1일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP5-8.5)	194
표 4-109. 경상북도의 5일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP1-2.6)	196
표 4-110. 경상북도의 5일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP2-4.5)	197
표 4-111. 경상북도의 5일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP3-7.0)	198
표 4-112. 경상북도의 5일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP5-8.5)	199
표 4-113. 경상북도의 95퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	201
표 4-114. 경상북도의 95퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	202
표 4-115. 경상북도의 95퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	203
표 4-116. 경상북도의 95퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	204
표 4-117. 경상북도의 99퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	206
표 4-118. 경상북도의 99퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	207
표 4-119. 경상북도의 99퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	208
표 4-120. 경상북도의 99퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	209
표 4-121. 경상북도의 최대무강수지속기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)	211
표 4-122. 경상북도의 최대무강수지속기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)	212
표 4-123. 경상북도의 최대무강수지속기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)	213
표 4-124. 경상북도의 최대무강수지속기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)	214
표 4-125. 경상북도의 계절 시작일 21세기 전망과 현재 기후 값 대비 편차(일)	215
표 4-126. 경상북도의 계절길이 21세기 전망과 현재 기후 값 대비 편차(일)	216

그림목차

그림 1-1. 기후변화 적응 및 완화 노력에 따른 SSP 시나리오의 구분(기상청, 2020)	13
그림 1-2. SSP 기후변화 시나리오 생산체계(전지구→동아시아·한반도→남한상세)	14
그림 2-1. 경상북도 행정구역 구분과 관측지점 위치	18
그림 2-2. 행정구역 자료 산출 방법	21
그림 2-3. 일/월/연별 행정구역 자료 산출 체계	21
그림 3-1. 현재(2000-2019년) 경상북도 기후요소 분포	25
그림 3-2. 현재(2000-2019년) 경상북도 고온 관련 극한기후지수 분포	30
그림 3-3. 현재(2000-2019년) 경상북도 저온 관련 극한기후지수 분포	33
그림 3-4. 현재(2000-2019년) 경상북도 강수 관련 극한기후지수 분포	36
그림 4-1. 경상북도의 연평균기온(°C) 전망 분포도	43
그림 4-2. 경상북도의 봄철 연평균기온(°C) 전망 분포도	48
그림 4-3. 경상북도의 여름철 연평균기온(°C) 전망 분포도	49
그림 4-4. 경상북도의 가을철 연평균기온(°C) 전망 분포도	50
그림 4-5. 경상북도의 겨울철 연평균기온(°C) 전망 분포도	51
그림 4-6. 경상북도의 연평균 최고기온(°C) 전망 분포도	57
그림 4-7. 경상북도의 봄철 연평균 최고기온(°C) 전망 분포도	62
그림 4-8. 경상북도의 여름철 연평균 최고기온(°C) 전망 분포도	63
그림 4-9. 경상북도의 가을철 연평균 최고기온(°C) 전망 분포도	64
그림 4-10. 경상북도의 겨울철 연평균 최고기온(°C) 전망 분포도	65
그림 4-11. 경상북도의 연평균 최저기온(°C) 전망 분포도	71
그림 4-12. 경상북도의 봄철 연평균 최저기온(°C) 전망 분포도	76
그림 4-13. 경상북도의 여름철 연평균 최저기온(°C) 전망 분포도	77
그림 4-14. 경상북도의 가을철 연평균 최저기온(°C) 전망 분포도	78
그림 4-15. 경상북도의 겨울철 연평균 최저기온(°C) 전망 분포도	79
그림 4-16. 경상북도의 연강수량(mm) 전망 분포도	85
그림 4-17. 경상북도의 연강수량 변화율(%) (2000-2019년 대비) 전망 분포도	86
그림 4-18. 경상북도의 폭염일수(일) 전망 분포도	97
그림 4-19. 경상북도의 열대야일수(일) 전망 분포도	102
그림 4-20. 경상북도의 여름일수(일) 전망 분포도	107
그림 4-21. 경상북도의 온난일(일) 전망 분포도	112
그림 4-22. 경상북도의 온난야(일) 전망 분포도	117
그림 4-23. 경상북도의 일최고기온 연최대(°C) 전망 분포도	122
그림 4-24. 경상북도의 일최저기온 연최대(°C) 전망 분포도	127

그림 4-25. 경상북도의 일교차(°C) 전망 분포도	132
그림 4-26. 경상북도의 식물성장가능기간(일) 전망 분포도	137
그림 4-27. 경상북도의 한파일수(일) 전망 분포도	144
그림 4-28. 경상북도의 결빙일수(일) 전망 분포도	149
그림 4-29. 경상북도의 서리일수(일) 전망 분포도	154
그림 4-30. 경상북도의 한랭일(일) 전망 분포도	159
그림 4-31. 경상북도의 한랭야(일) 전망 분포도	164
그림 4-32. 경상북도의 일최고기온 연최소(°C) 전망 분포도	169
그림 4-33. 경상북도의 일최저기온 연최소(°C) 전망 분포도	174
그림 4-34. 경상북도의 호우일수(일) 전망 분포도	180
그림 4-35. 경상북도의 강수강도(mm/일) 전망 분포도	185
그림 4-36. 경상북도의 1일최다강수량(mm) 전망 분포도	190
그림 4-37. 경상북도의 5일최다강수량(mm) 전망 분포도	195
그림 4-38. 경상북도의 95퍼센타일강수일수(일) 전망 분포도	200
그림 4-39. 경상북도의 99퍼센타일강수일수(일) 전망 분포도	205
그림 4-40. 경상북도의 최대무강수지속기간(일) 전망 분포도	210

CHAPTER

01

서론

1. 발간 배경 및 목적
2. 기후변화 시나리오 정의 및 개념
3. 기후변화 시나리오 산출 과정
4. SSP 미래 기후변화 전망

경상북도 기후변화 전망보고서 2023



CHAPTER 01

서론



1. 발간 배경 및 목적

- IPCC(기후변화에 관한 정부 간 협의체) 제6차 평가보고서(2021)에 따르면 산업화 이전 대비 2011~2020년의 전지구 표면 온도는 1.09°C 상승하였고, 이번 세기 중반까지 현 수준의 온실가스 배출량이 지속된다면 2021~2040년 중 1.5°C 지구온난화를 넘을 위험이 높음.
- 우리나라도 최근 30년(1991-2020년) 평균기온이 과거(1912-1940년)에 비해 1.6°C 상승하였으며 폭염·열대야 일수 등 더위 관련 극한기후지수는 증가하고 호우와 같은 극한강수 발생일수도 증가하였음(기상청, 2021).
- 지구온난화가 가속화될수록 막대한 피해를 초래하는 극한기후현상이 더욱 빈번하고 강하게 나타나는 추세이며, 이러한 영향은 지역 및 부문별로 다르게 나타나고 있어 기후변화 취약성 및 영향 분석·평가 등을 위해 상세 지역별 미래 기후변화 전망정보가 요구됨.
- 기상청은 SSP(Shared Socio-economic Pathways) 시나리오(SSP1-2.6/2-4.5/3-7.0/5-8.5)에 대한 전지구(135km 공간해상도), 동아시아·한반도(25km) 및 남한상세(1km) 영역별 미래 기후변화 전망정보를 생산하였고(국립기상과학원, 2019; 2020; 2021; 2022), 기후위기 정책 지원을 위해 행정구역별(광역시도, 시군구, 읍면동)로 전망정보를 산출하여 2022년부터 기후정보포털을 통해 제공 중임.
- 본 보고서는 SSP 행정구역별 전망정보 중 경상북도에 대한 상세 미래전망 분석 정보를 수록하였음.

2. 기후변화 시나리오 정의 및 개념

- 기후변화 시나리오는 온실가스, 에어로졸, 토지이용 변화 등의 인위적인 원인으로 발생한 복사강제력 변화를 지구시스템 모델에 적용하여 산출한 미래 기후변화 전망정보(기온, 강수량, 바람, 습도 등)임.
- SSP 시나리오는 2100년 기준의 복사강제력 정도(기준 RCP 개념)와 함께 기후변화 적응과 온실가스 감축 여부에 따라 인구, 경제, 토지이용, 에너지 사용 등 미래의 사회경제 지표의 정량적인 변화 내용을 포함하는 5개 그룹으로 구성됨(O'Neill et al., 2014; 2017)(그림 1-1).
- IPCC 6차 평가보고서의 표준 온실가스 경로는 SSP1-2.6, SSP2-4.5, SSP3-7.0, SSP5-8.5 4종으로 첫 번째 숫자는 기후변화 적응 및 완화를 위한 사회·경제적 노력, 두 번째 숫자는 2100년 기준의 복사강제력을 나타냄(표 1-1).

- (2단계) 수평해상도가 25km인 동아시아·한반도 시나리오의 현재 기후(2000-2019년)와 미래 전망자료(2021-2100년)를 1km 해상도로 객관분석한 후, 각 격자별로 현재 기후 대비 미래 전망 편차를 추출함.
- (3단계) 수평해상도 1km의 격자형 관측자료와 미래 전망 편차를 더하여 고해상도의 남한상세 기후변화 시나리오를 생산함.

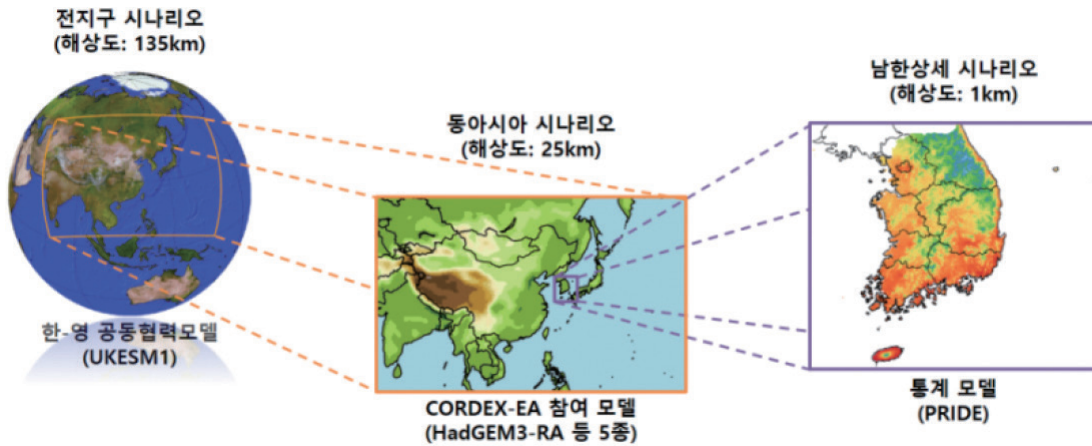


그림 1-2. SSP 기후변화 시나리오 생산체계(전지구→동아시아·한반도→남한상세)

4. SSP 미래 기후변화 전망

- 기상청은 「전지구 기후변화 전망보고서 개정판(2020)」, 「한반도 기후변화 전망보고서 2020 개정판(2021)」, 「남한상세 기후변화 전망보고서 개정판(2022)」 발간을 통해 영역 및 해상도별로 미래 기후변화를 전망하였으며, 주요 결과를 요약하여 제시함(표 1-2).

1) 전지구 기후변화 전망

- 21세기 후반기(2081-2100년) 전지구 연평균기온은 온실가스 배출 정도에 따라 현재(1995-2014년) 대비 1.9~5.2℃ 상승하고 평균 강수량은 5~10% 증가할 것으로 전망됨.

2) 한반도 기후변화 전망

- 21세기 후반기 한반도 연평균기온은 온실가스 배출 정도에 따라 현재(1995-2014년) 대비 2.6~7.0℃ 상승하고 평균 강수량은 3~15% 증가할 것으로 전망됨.

3) 남한 기후변화 전망

- 21세기 후반기 우리나라 연평균기온은 온실가스 배출 정도에 따라 현재(2000-2019년) 대비 2.3~6.3℃ 상승하고 평균 강수량은 4~16% 증가할 것으로 전망됨.

표 1-2. 미래 평균기온(°C) 및 강수량(mm) 변화

구분		전지구(135km)		한반도(25km)		남한상세(1km)	
		기온	강수량	기온	강수량	기온	강수량
현재 기후 값 (전지구/한반도: 1995-2014, 남한: 2000-2019)		14.4°C	1051.5mm	11.2°C	1195.2mm	11.9°C	1328.1mm
21세기 전반기 (2021-2040)	SSP1-2.6	+1.2	+3%	+1.6	-1%	+1.3	+5%
	SSP2-4.5	+1.3	+3%	+1.5	+1%	+1.2	+7%
	SSP3-7.0	+1.2	+2%	+1.5	+2%	+1.3	+6%
	SSP5-8.5	+1.3	+3%	+1.8	-2%	+1.5	+1%
21세기 중반기 (2041-2060)	SSP1-2.6	+1.7	+4%	+1.8	+3%	+1.6	+7%
	SSP2-4.5	+2.0	+4%	+2.5	+6%	+2.2	+7%
	SSP3-7.0	+2.2	+4%	+3.1	+2%	+2.7	+7%
	SSP5-8.5	+2.4	+5%	+3.2	+4%	+2.9	+6%
21세기 후반기 (2081-2100)	SSP1-2.6	+1.9	+5%	+2.6	+3%	+2.3	+4%
	SSP2-4.5	+3.0	+7%	+3.9	+13%	+3.5	+15%
	SSP3-7.0	+4.3	+8%	+5.9	+12%	+5.4	+13%
	SSP5-8.5	+5.2	+10%	+7.0	+15%	+6.3	+16%

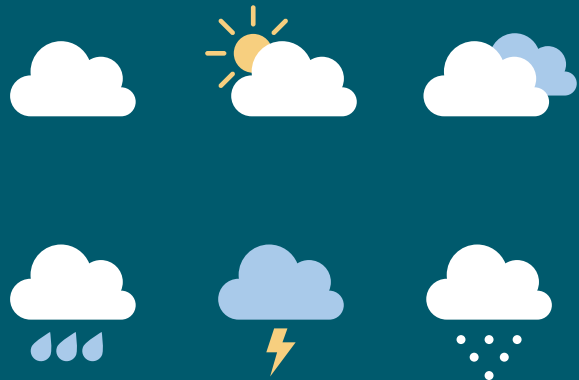
CHAPTER

02

분석 자료와 방법

1. 분석 자료
2. 분석 방법

경상북도 기후변화 전망보고서 2023



CHAPTER 02

분석 자료와 방법



1. 분석 자료

1) 분석 지역

- 경상북도 시군구(총 23개): 포항시, 경주시, 김천시, 안동시, 구미시, 영주시, 영천시, 상주시, 문경시, 경산시, 군위군, 의성군, 청송군, 영양군, 영덕군, 청도군, 고령군, 성주군, 칠곡군, 예천군, 봉화군, 울진군, 울릉군
- * 본 보고서의 분석자료는 2021년 기준 행정구역 단위로 산출되어, 군위군의 자료가 포함되어 있음.

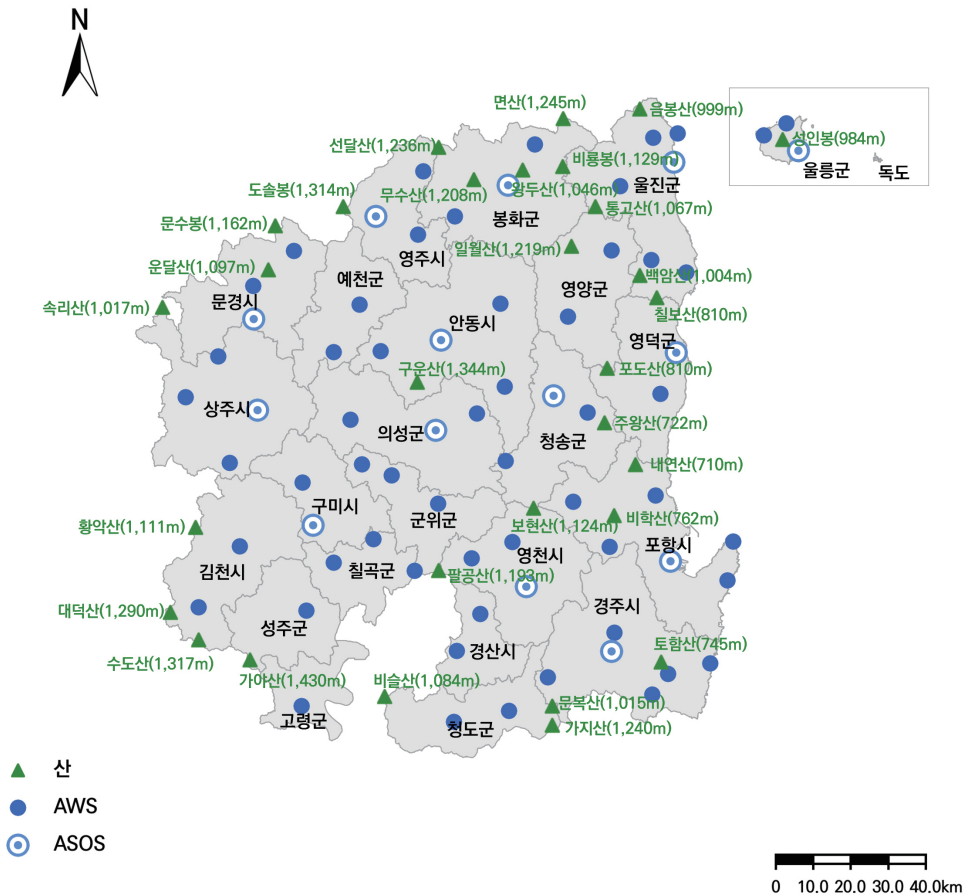


그림 2-1. 경상북도 행정구역 구분과 관측지점 위치

2) 분석 요소

- 기후요소: 평균기온, 최고기온, 최저기온, 강수량
- 극한기후지수: 총 23종(고온 관련 9종, 저온 관련 7종, 강수 관련 7종)
- 영향정보: 계절길이

표 2-1. 극한기후지수 정의

극한기후지수		정의	단위
고온 (9종)	폭염일수	일최고기온이 33℃ 이상인 날의 연중 일수	일
	열대야일수	일최저기온이 25℃ 이상인 날의 연중 일수	일
	여름일수	일최고기온이 25℃ 이상인 날의 연중 일수	일
	온난일	일최고기온이 기준기간의 90퍼센타일을 초과한 날의 연중 일수	일
	온난야	일최저기온이 기준기간의 90퍼센타일을 초과한 날의 연중 일수	일
	일최고기온 연최대	일최고기온의 연중 최대 값	℃
	일최저기온 연최대	일최저기온의 연중 최대 값	℃
	일교차	일최고기온과 일최저기온 차이값의 연평균	℃
	식물성장가능기간	일평균기온이 5℃ 초과인 날이 적어도 6일 이상 지속된 첫 날부터 일평균기온이 5℃ 미만인 날이 적어도 6일 이상 지속된 첫 날까지 사이의 연중 일수	일
저온 (7종)	한파일수	일최저기온이 -12℃ 이하인 날의 연중 일수	일
	결빙일수	일최고기온이 0℃ 미만인 날의 연중 일수	일
	서리일수	일최저기온이 0℃ 미만인 날의 연중 일수	일
	한랭일	일최고기온이 기준기간의 10퍼센타일 미만인 날의 연중 일수	일
	한랭야	일최저기온이 기준기간의 10퍼센타일 미만인 날의 연중 일수	일
	일최고기온 연최소	일최고기온의 연중 최소 값	℃
	일최저기온 연최소	일최저기온의 연중 최소 값	℃
강수 (7종)	호우일수	일강수량이 80mm 이상인 날의 연중 일수	일
	강수강도	연중 습윤일수(일강수량 1mm 이상)로 나누어진 연 총강수량	mm/일
	1일최다강수량	일강수량의 연중 최대 값	mm
	5일최다강수량	연속된 5일 동안 기록된 강수량 중 연중 최대 값	mm
	95퍼센타일강수일수	일강수량이 기준기간의 상위 95퍼센타일*보다 많은 날의 연중 일수	일
	99퍼센타일강수일수	일강수량이 기준기간의 상위 99퍼센타일*보다 많은 날의 연중 일수	일
	최대무강수지속기간**	일강수량이 1mm 미만인 날의 연중 최대 지속 일수	일

* 상위 95/99퍼센타일은 일강수량 1mm 이상인 날을 기준으로 산출함.

** 강수가 1mm 이상 내리지 않은 날의 최대지속기간을 나타내는 지수로 강수량이 많은 기간(장마철) 이후인 7.1.부터 다음해 6.30.까지 자료로 산출함(예시: 2030년 최대무강수지속기간은 2030.7.1.-2031.6.30. 자료로 산출).

표 2-2. 계절 시작일 기준(기상청, 2012)

계절	계절 시작일
봄	일평균기온이 5℃ 이상 올라간 후 다시 내려가지 않는 첫날
여름	일평균기온이 20℃ 이상 올라간 후 다시 내려가지 않는 첫날
가을	일평균기온이 20℃ 미만으로 내려간 후 다시 올라가지 않는 첫날
겨울	일평균기온이 5℃ 미만으로 내려간 후 다시 올라가지 않는 첫날

※ 일평균기온은 9일 이동평균하여 사용

3) 분석 기간

- 현재 기후: 2000-2019년
 - 기상청 관측자료에 MK-PRISM 기법을 적용한 1km 격자형 관측자료(2000-2019년)를 행정구역 값으로 변환하여 현재 기후 값으로 활용함.
- 미래 기후변화 전망: 2021-2100년
 - (21세기 전반기) 2021-2040년, (21세기 중반기) 2041-2060년, (21세기 후반기) 2081-2100년
 - ※ IPCC 제6차 평가보고서(2021)에서 구분한 기준을 따름.

2. 분석 방법

1) 기후 통계 산출 방법

- 각 기후요소 및 극한기후지수 등의 기후 값 산출을 위한 통계 분석은 기상청 「기후통계지침」(2021)에 기초하였음.
- 계절값은 계절별로 3개월의 기후 값을 평균한 것으로 봄 3~5월, 여름 6~8월, 가을 9~11월, 겨울 12~익년 2월을 기준으로 함. 다만, 강수량의 경우 3개월의 기후 값을 합산하여 산출함.
- 기후요소의 변화 경향은 현재 기후 값과 21세기 전/중/후반기별로 각 기간별 중위수 연도값에 기후요소 평균값을 대입하여 선형 회귀식으로 산출하였으며, 그 기울기를 10년당 변화율로 환산하여 제시함.
- 극한기후지수는 세계기상기구의 ETCCDI* 기후변화지수와 기후변화 남한상세 전망보고서(국립기상과학원, 2022)에 기반하여 산출한 것으로 기온 극한기후지수 16종, 강수 극한기후지수 7종 총 23종을 분석함.
 - * CCI/CLIVAAR/JCOMM Expert Team(ET) on Climate Change Detection and Indices(WMO, 1983)
 - 극한기후지수는 남한상세 시나리오(1km) 모델 5종별로 극한기후지수를 각각 산출한 후 격자별로 평균한 값을 행정구역 값으로 변환한 것임.
- 계절 시작일 및 계절길이는 기상청(2012) 기준으로 산출하였으며 일평균기온은 9일 이동평균하여 사용하였음.

2) 행정구역별 전망자료 산출 방법

● 남한상세 시나리오(1km)를 활용하여 광역시도, 시군구, 읍면동 등 행정구역 자료로 변환함

- (읍면동) 남한상세 1km 격자자료에서 해당 읍면동 기상청 동네예보 지점이 포함되는 격자값을 대푯값으로 설정함.
- (시군구) 해당 시군구 내 포함되어 있는 읍면동 값들을 산술평균하여 산출함.
- (광역시도) 해당 광역시도 내 포함되어 있는 시군구 값들을 산술평균하여 산출함.

※ 전국값(남한평균값)은 1km 격자자료 산출결과(남한상세 기후변화 전망보고서)를 이용하고, 행정구역 자료 기반의 전국값은 별도 산출하지 않음.

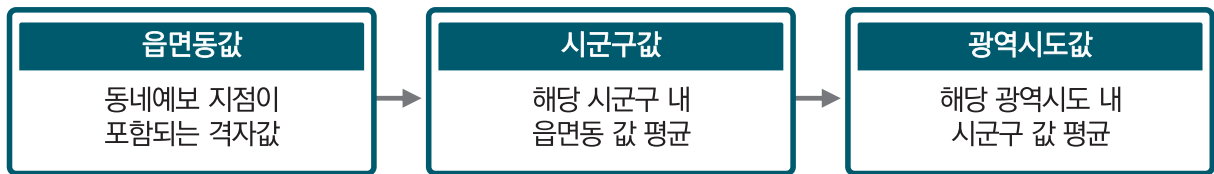


그림 2-2. 행정구역 자료 산출 방법

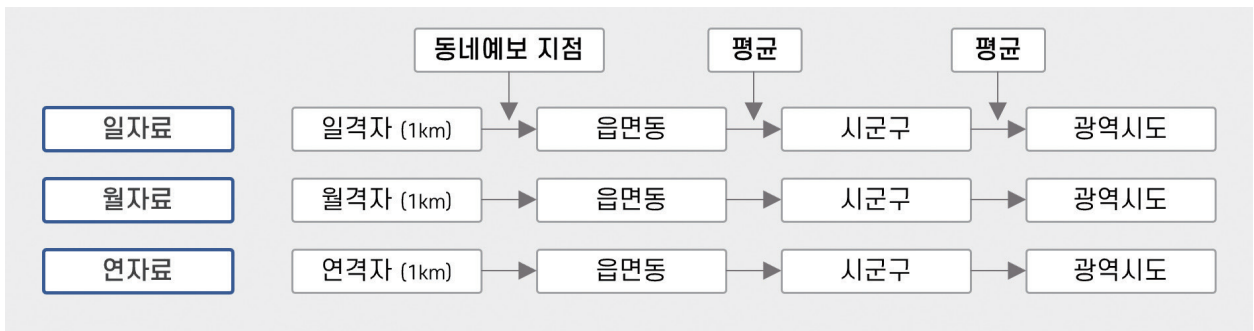


그림 2-3. 일/월/연별 행정구역 자료 산출 체계

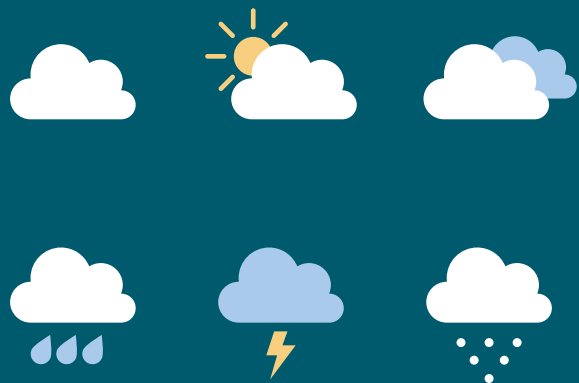
CHAPTER

03

경상북도의 현재 기후

1. 기후요소
2. 극한기후지수

경상북도 기후변화 전망보고서 2023



CHAPTER 03

경상북도의 현재 기후



1. 기후요소

1) 기온

- 우리나라 남동부에 위치한 경상북도의 현재(2000-2019년) 연평균기온은 12.4℃로 우리나라 연평균 기온(12.6℃)보다 0.2℃ 낮음(표 3-1).

- 경상북도에서 연평균기온이 가장 높은 지역은 경산시(14.0℃)이고, 가장 낮은 지역은 봉화군(10.3℃)이며, 그 차이는 3.7℃로 나타남.

- 경상북도의 연평균 최고기온은 18.4℃로 우리나라 연평균 최고기온(18.2℃)보다 0.2℃ 높고, 연평균 최저기온은 7.2℃로 우리나라 연평균 최저기온(7.8℃)보다 0.6℃ 낮음(표 3-2, 표 3-3).

- 경상북도에서 연평균 최고기온이 가장 높은 지역은 경산시(19.9℃)이고, 연평균 최저기온이 가장 낮은 지역은 봉화군(4.5℃)으로 나타남.

※ 제3장의 우리나라 현재 기후 값(2000-2019년)은 62개 지점 관측값을 토대로 산출되었음.

2) 강수량

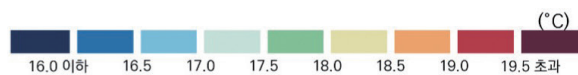
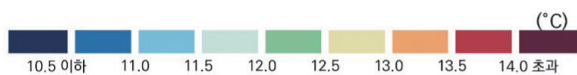
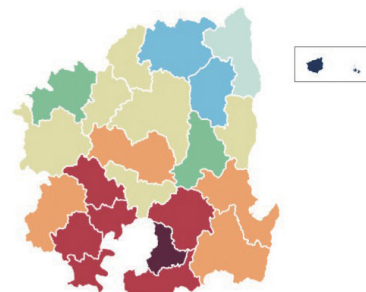
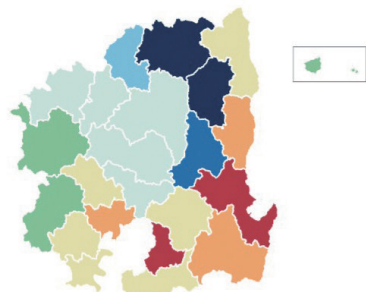
- 경상북도의 현재(2000-2019년) 연강수량은 1167.4mm로 우리나라 연강수량(1325.9mm)보다 158.5mm 적음(표 3-4).

- 경상북도에서 연강수량이 가장 많은 지역은 울릉군(1707.7mm)이고, 가장 적은 지역은 의성군(1028.5mm)이며, 그 차이는 679.2mm로 나타남.

- 경상북도 계절별 연강수량은 여름 > 가을 > 봄 > 겨울 순으로 나타나며, 여름철 연강수량은 497.5mm(영덕군)~692.1mm(문경시), 겨울철 연강수량은 56.0mm(의성군)~389.2mm(울릉군) 분포를 보임.

(a) 연평균기온

(b) 연평균 최고기온



(c) 연평균 최저기온

(d) 연강수량

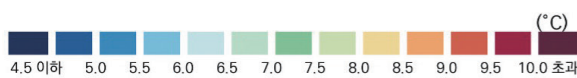
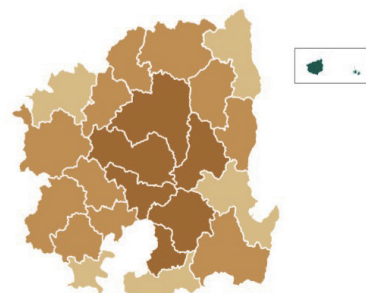
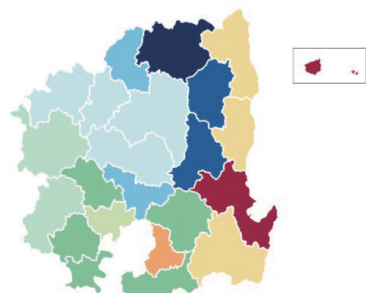


그림 3-1. 현재(2000-2019년) 경상북도 기후요소 분포

표 3-1. 현재(2000-2019년) 경상북도 연평균 및 계절별 평균기온(°C)

구분	연	봄	여름	가을	겨울
경상북도	12.4	12.0	23.7	13.7	0.1
경산시	14.0	13.8	25.3	15.2	1.6
경주시	13.4	12.8	24.0	14.9	2.0
고령군	13.0	12.8	24.4	14.2	0.6
구미시	12.9	12.8	24.6	13.8	0.2
군위군	11.8	11.7	23.8	12.9	-1.1
김천시	12.3	12.2	24.0	13.3	-0.4
문경시	11.7	11.7	23.6	12.8	-1.1
봉화군	10.3	10.1	22.2	11.5	-2.5
상주시	12.1	12.0	23.9	13.1	-0.7
성주군	12.8	12.6	24.3	13.9	0.2
안동시	11.8	11.7	23.7	12.9	-1.1
영덕군	13.1	12.3	23.5	14.7	1.9
영양군	10.4	10.1	21.9	11.7	-2.0
영주시	11.5	11.4	23.4	12.5	-1.5
영천시	12.8	12.5	24.3	14.1	0.5
예천군	11.8	11.8	23.8	12.8	-1.1
울릉군	12.2	10.5	21.6	14.6	2.2
울진군	12.6	11.7	22.6	14.4	1.7
의성군	12.0	11.9	24.1	13.0	-1.0
청도군	12.8	12.6	24.2	14.1	0.6
청송군	10.9	10.6	22.8	12.0	-1.9
칠곡군	13.2	13.1	24.8	14.3	0.5
포항시	13.9	13.1	24.0	15.8	2.8

표 3-2. 현재(2000-2019년) 경상북도 연평균 및 계절별 최고기온(°C)

구분	연	봄	여름	가을	겨울
경상북도	18.4	18.7	29.0	19.9	6.0
경산시	19.9	20.4	30.8	21.3	7.3
경주시	19.0	19.1	28.9	20.7	7.4
고령군	19.5	20.0	29.9	20.8	7.2
구미시	19.1	19.8	30.0	20.4	6.1
군위군	18.5	19.1	29.7	19.9	5.5
김천시	18.7	19.4	29.7	20.0	5.7
문경시	17.9	18.5	29.1	19.4	4.6
봉화군	17.0	17.4	28.0	18.4	4.0
상주시	18.1	18.8	29.3	19.6	4.8
성주군	19.2	19.8	29.8	20.5	6.6
안동시	18.4	19.0	29.4	19.7	5.3
영덕군	18.5	18.3	28.3	20.2	7.0
영양군	16.9	17.3	27.6	18.3	4.4
영주시	18.1	18.7	29.3	19.5	4.8
영천시	19.2	19.6	29.9	20.7	6.6
예천군	18.3	18.9	29.4	19.7	5.1
울릉군	15.6	14.5	24.9	17.8	5.0
울진군	17.5	17.0	26.8	19.4	6.7
의성군	18.9	19.5	30.1	20.2	5.7
청도군	19.2	19.6	29.7	20.7	7.0
청송군	17.8	18.3	28.9	19.1	4.7
칠곡군	19.4	20.1	30.4	20.8	6.4
포항시	18.6	18.4	28.1	20.4	7.6

표 3-3. 현재(2000-2019년) 경상북도 연평균 및 계절별 최저기온(°C)

구분	연	봄	여름	가을	겨울
경상북도	7.2	5.6	19.4	8.6	-5.0
경산시	8.9	7.6	21.0	10.2	-3.3
경주시	8.4	6.8	20.0	10.0	-3.0
고령군	7.5	5.9	20.1	9.0	-5.0
구미시	7.4	6.0	20.1	8.6	-5.1
군위군	6.0	4.4	19.1	7.5	-7.0
김천시	6.7	5.2	19.5	7.9	-5.7
문경시	6.4	5.0	19.1	7.5	-6.2
봉화군	4.5	3.1	17.5	5.9	-8.4
상주시	6.8	5.5	19.6	7.9	-5.7
성주군	7.2	5.6	20.0	8.6	-5.4
안동시	6.1	4.7	19.1	7.5	-6.8
영덕군	8.3	6.4	19.5	10.0	-2.7
영양군	4.8	3.2	17.4	6.4	-7.8
영주시	5.6	4.3	18.7	6.8	-7.3
영천시	7.3	5.6	19.7	8.6	-4.8
예천군	6.3	4.9	19.2	7.5	-6.5
울릉군	9.8	7.4	19.3	12.3	0.0
울진군	8.2	6.5	19.0	10.0	-2.9
의성군	6.1	4.6	19.3	7.4	-7.0
청도군	7.3	5.9	19.9	8.8	-5.1
청송군	4.9	3.2	17.8	6.4	-7.9
칠곡군	7.8	6.3	20.4	9.1	-4.7
포항시	9.8	8.2	20.6	11.8	-1.4

표 3-4. 현재(2000-2019년) 경상북도 연평균 및 계절별 강수량(mm)

구분	연	봄	여름	가을	겨울
경상북도	1167.4	220.2	596.2	268.4	84.0
경산시	1096.9	211.5	582.3	238.8	65.6
경주시	1143.6	224.8	544.1	292.2	84.1
고령군	1237.0	224.1	676.6	269.9	67.8
구미시	1102.5	200.1	597.5	244.2	62.2
군위군	1050.5	199.0	568.1	228.3	56.5
김천시	1146.3	203.1	615.4	259.9	69.4
문경시	1222.4	225.4	692.1	235.4	70.8
봉화군	1188.3	226.7	662.1	237.0	63.5
상주시	1192.6	215.6	664.8	240.2	73.4
성주군	1171.3	211.0	631.9	266.0	63.9
안동시	1062.3	204.2	585.1	213.8	60.6
영덕군	1102.8	207.4	497.5	312.2	85.9
영양군	1137.1	221.2	594.2	253.7	69.5
영주시	1152.0	220.7	645.4	225.5	61.4
영천시	1084.0	215.1	570.2	235.6	64.6
예천군	1164.4	217.1	659.1	225.1	64.1
울릉군	1707.7	328.0	525.9	467.0	389.2
울진군	1230.4	214.6	552.8	362.1	101.5
의성군	1028.5	191.9	564.2	217.6	56.0
청도군	1239.9	244.5	651.4	270.1	75.6
청송군	1044.5	201.8	545.7	236.8	61.9
칠곡군	1106.3	204.3	598.2	247.1	58.3
포항시	1202.6	235.6	542.0	331.4	94.9

2. 극한기후지수

1) 고온 극한기후지수

● 여름철 최고기온 관련 지수

- 경상북도 현재(2000-2019년) 폭염일수는 17.2일로 우리나라 폭염일수(11.8일)보다 5.4일 많고 경산시(33.4일)에서 가장 많이 나타남.
- 경상북도 현재(2000-2019년) 일최고기온 연최대는 35.8°C로 우리나라 일최고기온 연최대(35.1°C)보다 0.7°C 높고 경산시(37.8°C)에서 가장 높게 나타남.

● 여름철 최저기온 관련 지수

- 경상북도 현재(2000-2019년) 열대야일수는 2.6일로 우리나라 열대야일수(5.5일)보다 2.9일 적고 경산시(11.0일)에서 가장 많이 나타남.
- 경상북도 현재(2000-2019년) 일최저기온 연최대는 25.0°C로 우리나라 일최저기온 연최대(25.6°C)보다 0.6°C 낮고 경산시(26.8°C)에서 가장 높게 나타남.

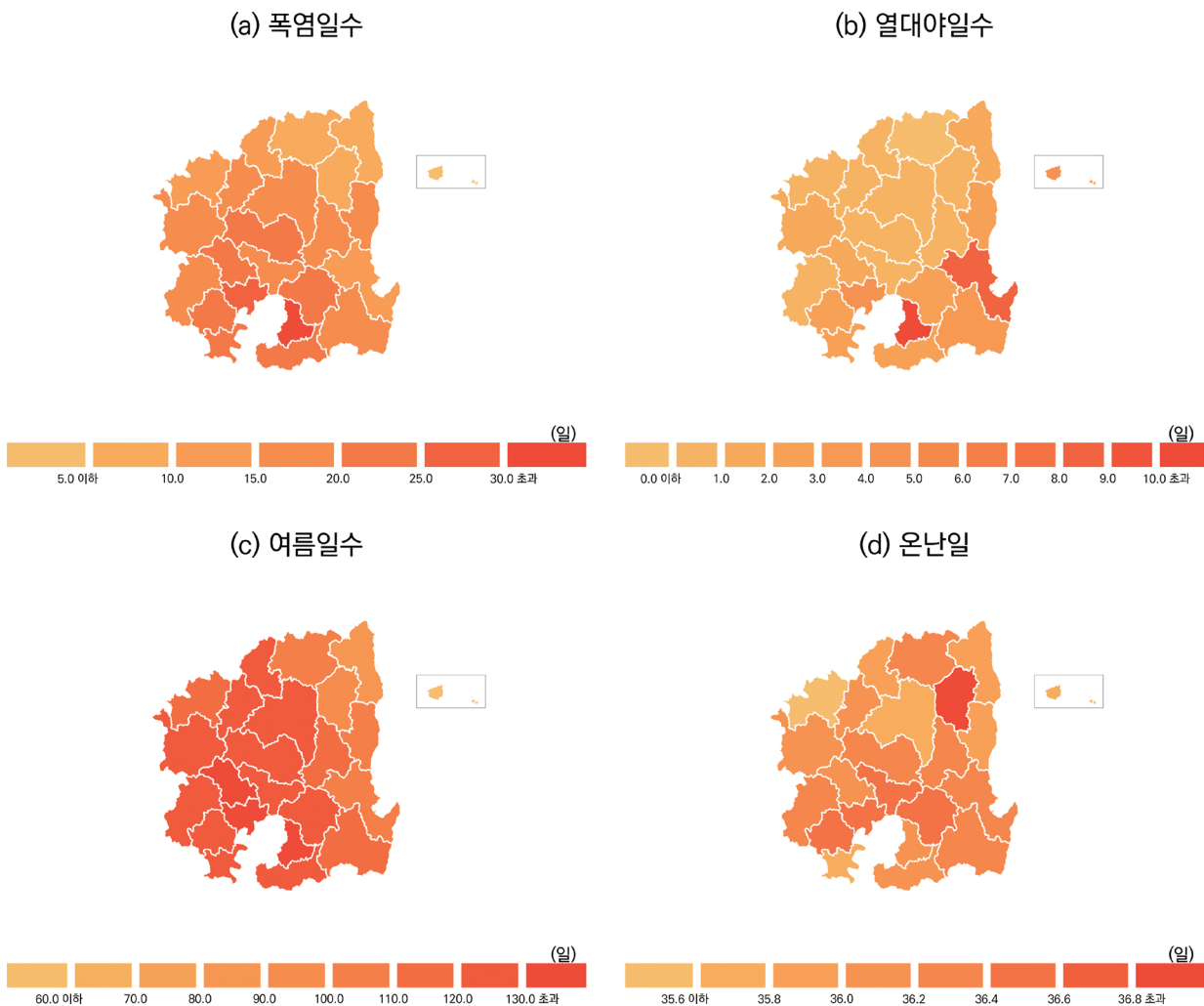
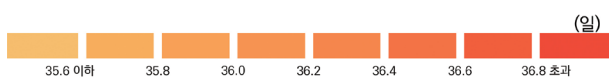
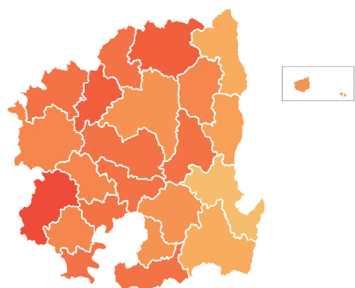
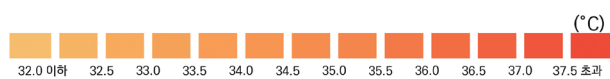
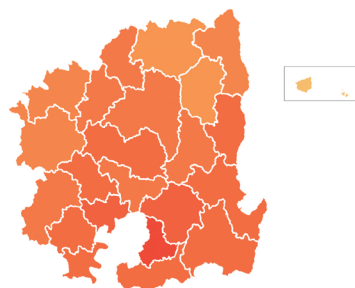


그림 3-2. 현재(2000-2019년) 경상북도 고온 관련 극한기후지수 분포

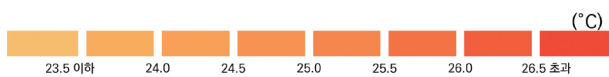
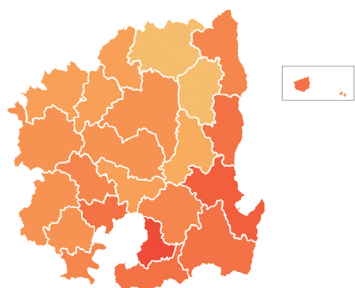
(e) 온난야



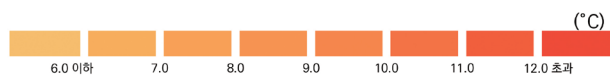
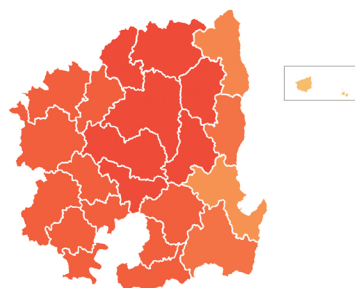
(f) 일최고기온 연최대



(g) 일최저기온 연최대



(h) 일교차



(i) 식물성장가능기간

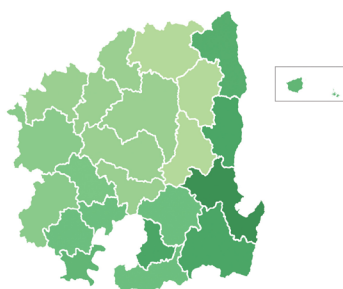


그림 3-2. 현재(2000-2019년) 경상북도 고온 관련 극한기후지수 분포(계속)

표 3-5. 현재(2000-2019년) 경상북도 고온 관련 극한기후지수

구분	폭염일수 (일)	열대야일수 (일)	여름일수 (일)	온난일 (일)	온난야 (일)	일최고기온 연최대(°C)	일최저기온 연최대(°C)	일교차(°C)	식물성장 가능기간 (일)
경상북도	17.2	2.6	115.0	36.2	36.3	35.8	25.0	11.2	260.1
경산시	33.4	11.0	135.7	36.1	36.1	37.8	26.8	11.1	279.2
경주시	19.5	3.1	113.9	36.4	35.7	36.4	25.7	10.6	279.6
고령군	22.3	2.7	129.3	35.8	36.6	36.2	25.3	12.0	265.9
구미시	22.0	1.5	130.8	36.1	36.3	36.1	25.1	11.7	259.8
군위군	19.7	0.3	123.7	36.6	36.6	36.0	24.5	12.6	248.5
김천시	19.9	0.8	126.0	36.3	37.0	35.8	24.6	12.0	254.3
문경시	14.0	0.5	118.2	35.6	36.6	35.3	24.3	11.5	248.1
봉화군	7.6	0.0	102.6	36.3	36.8	34.5	23.1	12.5	235.9
상주시	15.4	1.1	120.7	36.1	36.3	35.3	24.7	11.3	251.3
성주군	21.8	2.2	127.6	36.6	36.3	36.1	24.9	12.0	261.1
안동시	16.9	1.0	122.6	35.8	36.2	35.8	24.6	12.2	247.8
영덕군	15.2	2.6	103.4	35.9	35.9	36.3	25.7	10.2	278.7
영양군	6.5	0.1	95.4	37.0	36.3	34.3	23.4	12.1	237.0
영주시	14.8	0.1	121.9	36.0	36.6	35.7	24.1	12.5	247.0
영천시	24.7	2.8	126.2	36.6	36.1	36.9	25.4	11.9	262.0
예천군	16.3	0.5	122.8	36.2	36.8	35.6	24.4	12.0	248.5
울릉군	1.0	4.1	55.4	35.7	36.2	32.0	25.8	5.8	269.6
울진군	6.5	1.8	82.7	36.0	35.7	35.1	25.2	9.3	272.9
의성군	22.8	0.7	129.1	36.4	36.6	36.3	24.6	12.8	249.4
청도군	21.9	3.0	124.4	36.1	36.5	36.4	25.8	11.9	264.0
청송군	15.1	0.1	113.0	36.3	36.5	35.7	23.6	12.9	238.8
칠곡군	26.8	4.3	134.0	36.6	36.5	36.8	25.6	11.6	263.8
포항시	14.6	8.6	100.9	36.3	35.5	36.1	26.5	8.8	289.9

2) 저온 극한기후지수

● 겨울철 최고기온 관련 지수

- 경상북도 현재(2000-2019년) 결빙일수는 1.4일로 우리나라 결빙일수(10.3일)보다 8.9일 적고 동구(2.4일)에서 가장 많이 나타남.
- 경상북도 현재(2000-2019년) 일최고기온 연최소는 -0.7°C 로 우리나라 일최고기온 연최소(-4.2°C)보다 3.5°C 높고 동구(-1.9°C)에서 가장 낮게 나타남.

● 겨울철 최저기온 관련 지수

- 경상북도 현재(2000-2019년) 한파일수는 0.1일로 우리나라 한파일수(7.5일)보다 7.4일 적고 동구(0.3일)에서 가장 많이 나타남.
- 경상북도 현재(2000-2019년) 일최저기온 연최소는 -8.7°C 로 우리나라 일최저기온 연최소(-13.8°C)보다 5.1°C 높고 동구(-9.8°C)에서 가장 낮게 나타남.

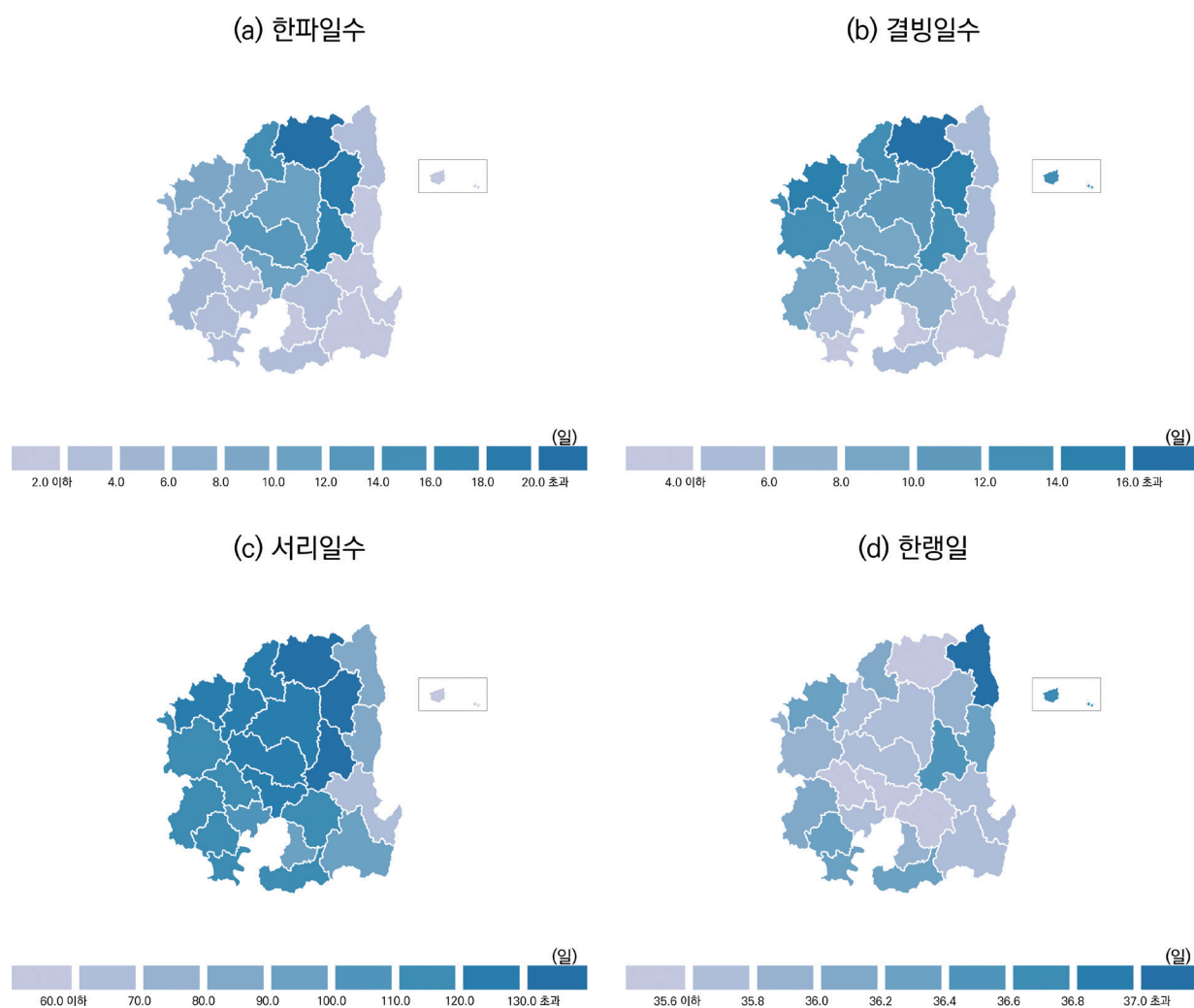
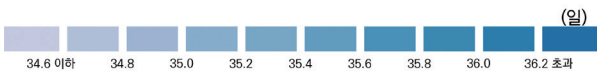
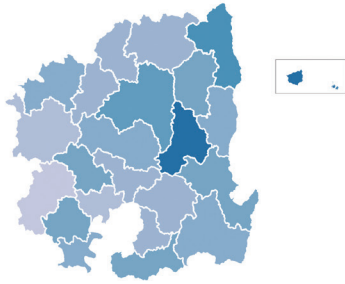
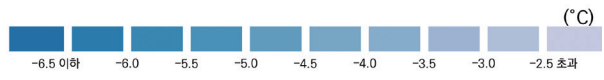
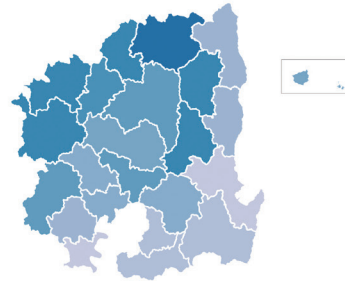


그림 3-3. 현재(2000-2019년) 경상북도 저온 관련 극한기후지수 분포

(e) 한랭야



(f) 일최고기온 연최소



(g) 일최저기온 연최소

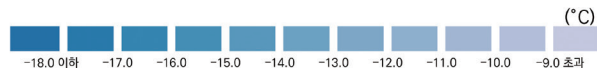
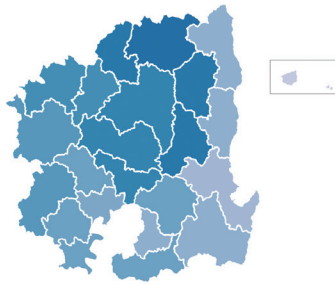


그림 3-3. 현재(2000-2019년) 경상북도 저온 관련 극한기후지수 분포(계속)

표 3-6. 현재(2000-2019년) 경상북도 저온 관련 극한기후지수

구분	한파일수 (일)	결빙일수 (일)	서리일수 (일)	한랭일 (일)	한랭야 (일)	일최고기온 연최소(°C)	일최저기온 연최소(°C)
경상북도	6.8	8.4	109.0	36.1	35.2	-4.1	-13.9
경산시	1.1	3.3	91.8	36.0	34.9	-2.6	-11.4
경주시	1.0	3.6	90.8	35.8	35.2	-2.8	-11.1
고령군	3.1	3.2	110.7	36.3	35.2	-2.2	-13.1
구미시	3.4	6.9	111.2	35.6	35.4	-3.8	-13.3
군위군	11.6	10.0	126.7	35.6	35.0	-4.8	-16.0
김천시	5.0	9.5	118.4	36.1	34.5	-4.5	-14.2
문경시	8.1	14.3	121.9	36.4	35.1	-5.9	-15.3
봉화군	21.9	16.3	139.6	35.5	34.9	-6.5	-18.7
상주시	6.3	13.3	117.7	36.0	34.8	-5.5	-14.4
성주군	3.7	5.3	114.6	36.4	35.3	-3.2	-13.6
안동시	11.9	10.2	125.3	35.8	35.5	-4.9	-16.5
영덕군	1.3	4.6	87.8	36.4	35.2	-3.2	-11.5
영양군	18.1	14.3	135.9	36.0	35.3	-5.9	-17.6
영주시	14.8	12.9	129.9	36.2	35.0	-5.7	-17.3
영천시	3.2	6.3	111.9	35.6	35.0	-3.7	-13.0
예천군	9.3	11.3	124.1	35.8	35.0	-5.2	-15.7
울릉군	0.1	12.4	55.2	36.8	36.4	-4.0	-8.6
울진군	2.1	5.5	85.7	37.2	35.8	-3.0	-11.8
의성군	12.2	8.8	127.1	35.8	35.2	-4.4	-16.1
청도군	3.7	4.6	110.5	36.3	35.4	-2.8	-13.3
청송군	17.2	14.0	137.7	36.5	36.3	-5.7	-17.3
칠곡군	2.4	5.8	107.1	35.8	34.7	-3.6	-12.8
포항시	0.8	3.0	67.0	35.8	35.3	-2.3	-10.3

3) 강수 극한기후지수

- 경상북도 현재(2000-2019년) 호우일수는 1.5일로 우리나라 호우일수(2.4일)보다 0.9일 적고 울릉군(2.6일)에서 가장 많이 나타남.
- 경상북도 현재(2000-2019년) 강수강도는 14.7mm/일로 우리나라 강수강도(16.4mm/일)보다 1.7mm/일 작고 고령군, 울진군(15.8mm/일)에서 가장 크게 나타남.
- 경상북도 현재(2000-2019년) 1일/5일최다강수량은 113.0mm/193.7mm로 우리나라 1일/5일최다강수량(137.8mm/230.4mm)보다 24.8/36.7mm 적고 1일최다강수량은 울진군(131.9mm), 5일최다강수량은 울릉군(233.0mm)에서 가장 많이 나타남.

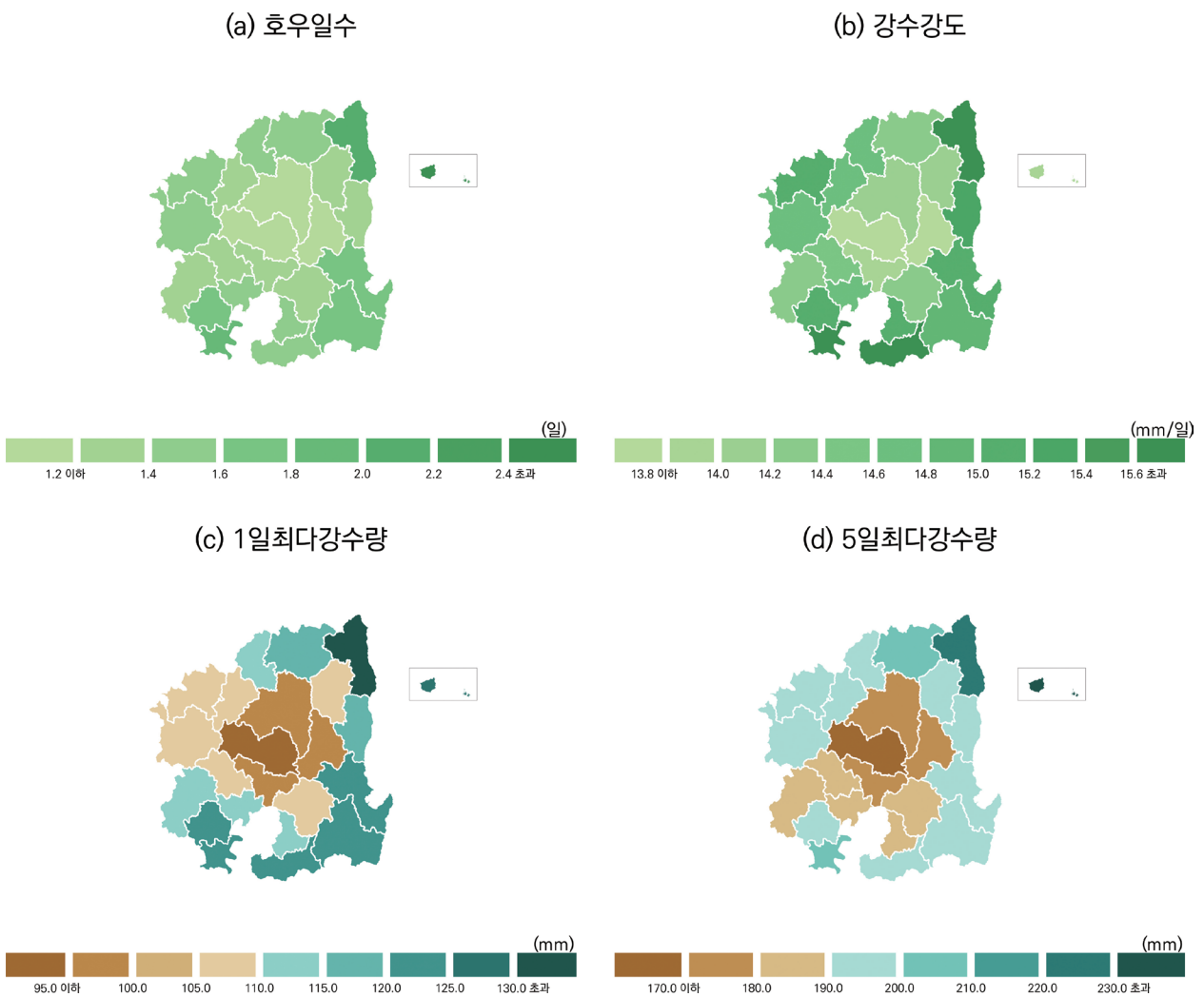
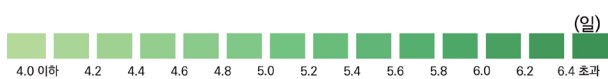
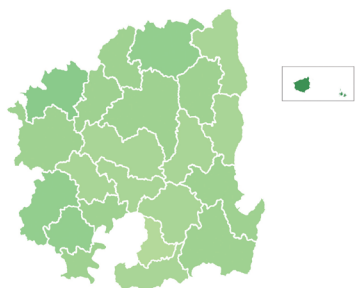
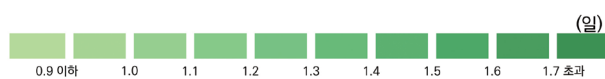
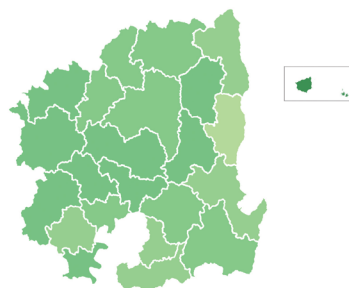


그림 3-4. 현재(2000-2019년) 경상북도 강수 관련 극한기후지수 분포

(e) 95퍼센타일강수일수



(f) 99퍼센타일강수일수



(g) 최대무강수지속기간

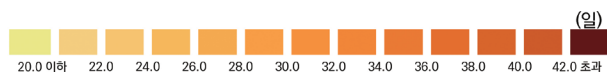
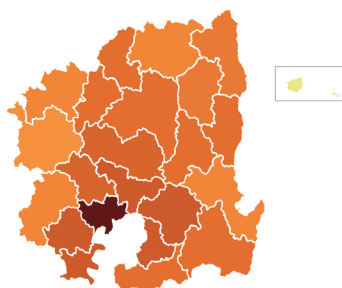


그림 3-4. 현재(2000-2019년) 경상북도 강수 관련 극한기후지수 분포(계속)

표 3-7. 현재(2000-2019년) 경상북도 강수 극한기후지수

구분	호우일수 (일)	강수강도 (mm/일)	1일최다 강수량 (mm)	5일최다 강수량 (mm)	95퍼센타일 강수일수 (일)	99퍼센타일 강수일수 (일)	최대무강수 지속기간 (일)
경상북도	1.5	14.7	113.0	193.7	4.4	1.2	36.4
경산시	1.5	15.1	112.8	186.7	3.9	1.1	41.4
경주시	1.8	14.9	124.1	190.6	4.3	1.2	36.9
고령군	1.9	15.8	124.7	208.6	4.4	1.3	41.9
구미시	1.4	14.5	107.9	182.8	4.1	1.3	38.1
군위군	1.3	14.0	98.5	177.6	4.2	1.3	41.4
김천시	1.4	14.3	115.0	185.3	4.5	1.3	33.5
문경시	1.5	15.1	108.2	198.3	4.7	1.3	32.9
봉화군	1.5	14.3	115.9	207.4	4.5	1.2	33.4
상주시	1.5	14.8	107.4	193.2	4.4	1.3	31.2
성주군	1.7	15.2	120.3	196.3	4.5	1.1	41.7
안동시	1.2	14.1	99.8	179.7	4.3	1.2	37.5
영덕군	1.4	15.4	119.8	192.7	4.2	0.9	37.4
영양군	1.4	14.1	108.6	199.4	4.4	1.3	35.6
영주시	1.5	14.8	110.5	195.2	4.3	1.2	36.4
영천시	1.4	14.4	106.2	180.9	4.2	1.2	40.5
예천군	1.3	14.7	105.4	191.1	4.4	1.2	36.6
울릉군	2.6	14.0	126.9	233.0	6.5	1.8	18.6
울진군	2.1	15.8	131.9	227.8	4.2	1.1	34.4
의성군	1.1	13.8	92.3	169.2	4.1	1.3	39.3
청도군	1.6	15.7	120.3	199.7	4.2	1.1	38.0
청송군	1.1	13.8	98.1	172.7	4.2	1.3	37.1
칠곡군	1.6	14.8	111.5	186.1	4.4	1.2	42.8
포항시	1.8	15.1	122.7	196.8	4.3	1.1	33.7

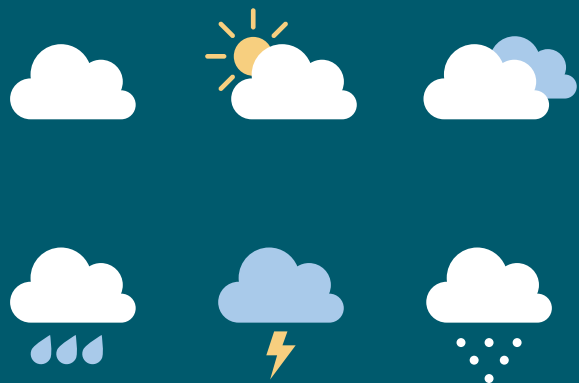
CHAPTER

04

경상북도의 미래 기후변화 전망

1. 기후요소
2. 극한기후지수
3. 계절길이

경상북도 기후변화 전망보고서 2023



CHAPTER 04

경상북도의 미래 기후변화 전망



1. 기후요소

1) 연평균기온

- SSP 시나리오에 따른 경상북도 연평균기온은 현재(2000-2019년, 12.4℃) 대비 21세기 중반기에 1.6~2.9℃, 21세기 후반기에 2.3~6.3℃ 상승할 것으로 전망됨.
 - SSP1-2.6 시나리오에서 경상북도 연평균기온은 현재 대비 21세기 중반기에 1.6℃, 후반기에 2.3℃ 상승할 것으로 전망됨.
 - SSP2-4.5 시나리오에서 경상북도 연평균기온은 현재 대비 21세기 중반기에 2.2℃, 후반기에 3.5℃ 상승할 것으로 전망됨.
 - SSP3-7.0 시나리오에서 경상북도 연평균기온은 현재 대비 21세기 중반기에 2.7℃, 후반기에 5.4℃ 상승할 것으로 전망됨.
 - SSP5-8.5 시나리오에서 경상북도 연평균기온은 현재 대비 21세기 중반기에 2.9℃, 후반기에 6.3℃ 상승할 것으로 전망됨.
- SSP5-8.5 시나리오에서 현재 대비 21세기 하반기 경상북도 연평균기온 상승폭(+6.3℃)은 SSP1-2.6 시나리오에서의 상승폭(+2.3℃)보다 4.0℃ 크게 나타남.
- 현재(2000-2019년) 경상북도 연평균기온(12.4℃)은 우리나라 평균(12.6℃)보다 0.2℃ 낮으며 SSP5-8.5에서 21세기 하반기 경상북도 연평균기온 상승폭(+6.3℃)은 우리나라 평균 상승폭(+6.3℃)과 같게 나타남.

※ 제4장의 우리나라 평균 상승폭은 남한상세 기후변화 전망보고서(1km 격자)의 현재 대비 상승폭을 나타냄.

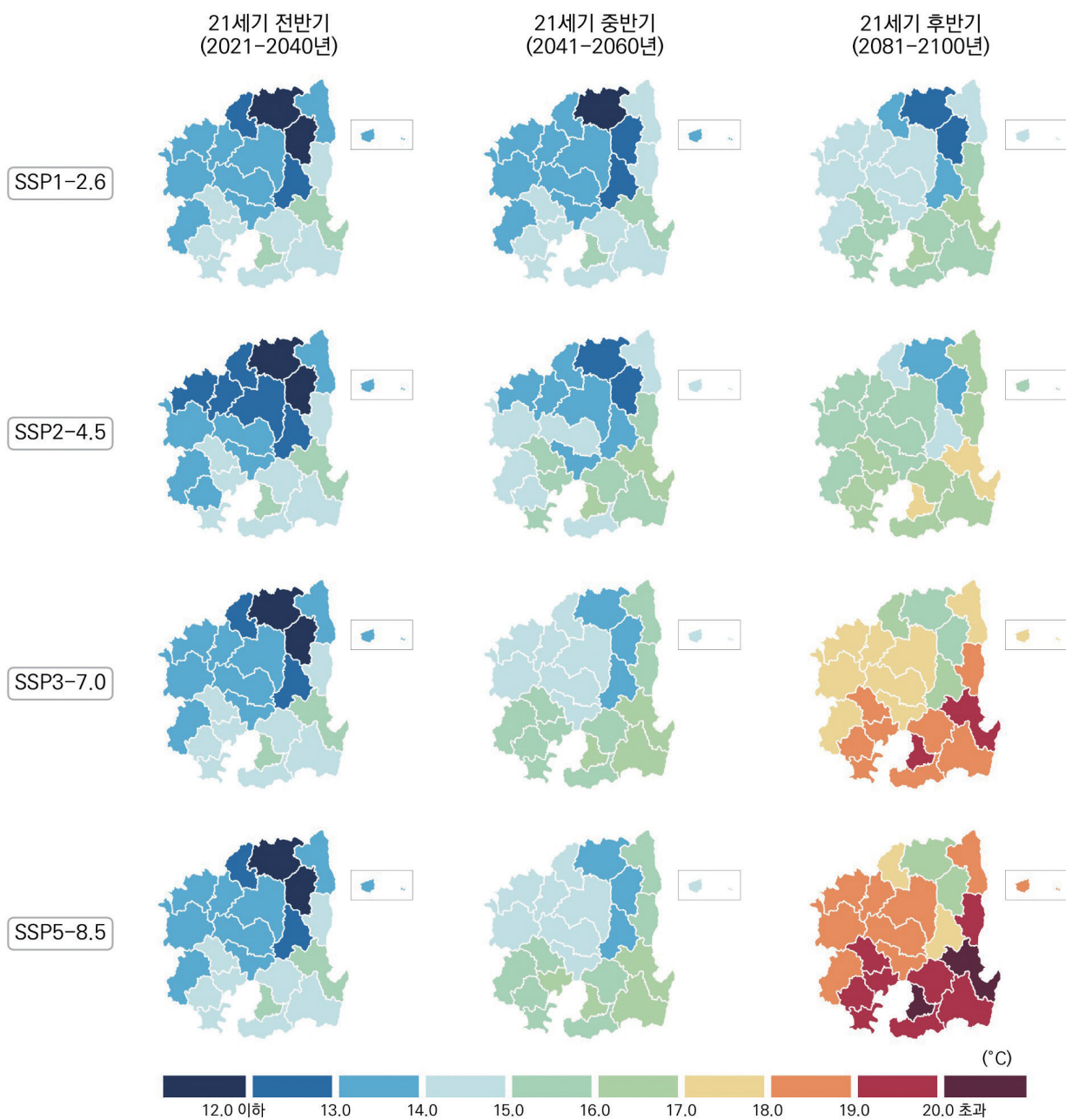


그림 4-1. 경상북도의 연평균기온(°C) 전망 분포도

표 4-1. 경상북도의 연평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	12.4	13.5	13.9	14.0	14.0	14.4	14.5	14.6	14.7	13.7	14.0	14.7
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.1	+2.2	+2.3	+1.3	+1.6	+2.3
경산시	14.0	15.1	15.5	15.7	15.6	16.0	16.1	16.3	16.4	15.3	15.6	16.3
		+1.1	+1.5	+1.7	+1.6	+2.0	+2.1	+2.3	+2.4	+1.3	+1.6	+2.3
경주시	13.4	14.5	14.9	15.0	15.0	15.3	15.4	15.6	15.7	14.7	15.0	15.7
		+1.1	+1.5	+1.6	+1.6	+1.9	+2.0	+2.2	+2.3	+1.3	+1.6	+2.3
고령군	13.0	14.1	14.5	14.7	14.7	15.0	15.1	15.3	15.4	14.3	14.7	15.3
		+1.1	+1.5	+1.7	+1.7	+2.0	+2.1	+2.3	+2.4	+1.3	+1.7	+2.3
구미시	12.9	14.0	14.4	14.5	14.5	14.9	15.0	15.1	15.2	14.2	14.5	15.2
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.1	+2.2	+2.3	+1.3	+1.6	+2.3
군위군	11.8	12.9	13.3	13.5	13.5	13.8	13.9	14.1	14.2	13.1	13.5	14.1
		+1.1	+1.5	+1.7	+1.7	+2.0	+2.1	+2.3	+2.4	+1.3	+1.7	+2.3
김천시	12.3	13.4	13.8	14.0	14.0	14.3	14.4	14.6	14.7	13.6	14.0	14.7
		+1.1	+1.5	+1.7	+1.7	+2.0	+2.1	+2.3	+2.4	+1.3	+1.7	+2.4
문경시	11.7	12.9	13.3	13.4	13.4	13.7	13.8	14.0	14.1	13.1	13.4	14.1
		+1.2	+1.6	+1.7	+1.7	+2.0	+2.1	+2.3	+2.4	+1.4	+1.7	+2.4
봉화군	10.3	11.5	11.9	12.0	12.0	12.3	12.4	12.6	12.7	11.7	12.0	12.6
		+1.2	+1.6	+1.7	+1.7	+2.0	+2.1	+2.3	+2.4	+1.4	+1.7	+2.3
상주시	12.1	13.3	13.6	13.8	13.7	14.1	14.2	14.4	14.5	13.4	13.7	14.4
		+1.2	+1.5	+1.7	+1.6	+2.0	+2.1	+2.3	+2.4	+1.3	+1.6	+2.3
성주군	12.8	13.9	14.3	14.4	14.5	14.8	14.9	15.1	15.2	14.1	14.4	15.1
		+1.1	+1.5	+1.6	+1.7	+2.0	+2.1	+2.3	+2.4	+1.3	+1.6	+2.3
안동시	11.8	12.9	13.3	13.5	13.4	13.8	13.9	14.1	14.2	13.1	13.4	14.1
		+1.1	+1.5	+1.7	+1.6	+2.0	+2.1	+2.3	+2.4	+1.3	+1.6	+2.3
영덕군	13.1	14.2	14.6	14.7	14.7	15.0	15.2	15.3	15.4	14.4	14.7	15.4
		+1.1	+1.5	+1.6	+1.6	+1.9	+2.1	+2.2	+2.3	+1.3	+1.6	+2.3
영양군	10.4	11.5	11.9	12.1	12.0	12.4	12.5	12.7	12.8	11.7	12.1	12.7
		+1.1	+1.5	+1.7	+1.6	+2.0	+2.1	+2.3	+2.4	+1.3	+1.7	+2.3
영주시	11.5	12.6	13.0	13.1	13.1	13.4	13.5	13.7	13.8	12.8	13.1	13.7
		+1.1	+1.5	+1.6	+1.6	+1.9	+2.0	+2.2	+2.3	+1.3	+1.6	+2.2
영천시	12.8	13.9	14.4	14.5	14.5	14.8	14.9	15.1	15.2	14.2	14.5	15.2
		+1.1	+1.6	+1.7	+1.7	+2.0	+2.1	+2.3	+2.4	+1.4	+1.7	+2.4
예천군	11.8	13.0	13.4	13.5	13.4	13.8	13.9	14.1	14.2	13.2	13.5	14.2
		+1.2	+1.6	+1.7	+1.6	+2.0	+2.1	+2.3	+2.4	+1.4	+1.7	+2.4
울릉군	12.2	13.1	13.7	13.9	13.9	14.1	14.4	14.4	14.4	13.4	13.9	14.4
		+0.9	+1.5	+1.7	+1.7	+1.9	+2.2	+2.2	+2.2	+1.2	+1.7	+2.2
울진군	12.6	13.6	14.1	14.2	14.2	14.5	14.7	14.8	14.9	13.9	14.2	14.8
		+1.0	+1.5	+1.6	+1.6	+1.9	+2.1	+2.2	+2.3	+1.3	+1.6	+2.2
의성군	12.0	13.1	13.5	13.7	13.6	14.0	14.1	14.3	14.4	13.3	13.7	14.3
		+1.1	+1.5	+1.7	+1.6	+2.0	+2.1	+2.3	+2.4	+1.3	+1.7	+2.3
청도군	12.8	14.0	14.3	14.5	14.5	14.8	14.9	15.1	15.2	14.1	14.5	15.1
		+1.2	+1.5	+1.7	+1.7	+2.0	+2.1	+2.3	+2.4	+1.3	+1.7	+2.3
청송군	10.9	12.0	12.4	12.5	12.5	12.9	13.0	13.1	13.3	12.2	12.5	13.2
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.1	+2.2	+2.4	+1.3	+1.6	+2.3
칠곡군	13.2	14.3	14.7	14.8	14.8	15.2	15.3	15.5	15.6	14.5	14.8	15.5
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.1	+2.3	+2.4	+1.3	+1.6	+2.3
포항시	13.9	15.0	15.4	15.6	15.5	15.9	16.0	16.1	16.3	15.2	15.6	16.2
		+1.1	+1.5	+1.7	+1.6	+2.0	+2.1	+2.2	+2.4	+1.3	+1.7	+2.3

표 4-2. 경상북도의 연평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	12.4	13.6	13.6	14.4	14.8	15.3	15.3	15.9	16.0	13.6	14.6	15.9
		+1.2	+1.2	+2.0	+2.4	+2.9	+2.9	+3.5	+3.6	+1.2	+2.2	+3.5
경산시	14.0	15.2	15.2	16.1	16.4	17.0	16.9	17.5	17.6	15.2	16.2	17.5
		+1.2	+1.2	+2.1	+2.4	+3.0	+2.9	+3.5	+3.6	+1.2	+2.2	+3.5
경주시	13.4	14.6	14.6	15.4	15.7	16.3	16.3	16.8	17.0	14.6	15.6	16.9
		+1.2	+1.2	+2.0	+2.3	+2.9	+2.9	+3.4	+3.6	+1.2	+2.2	+3.5
고령군	13.0	14.2	14.2	15.1	15.4	15.9	16.0	16.5	16.6	14.2	15.2	16.6
		+1.2	+1.2	+2.1	+2.4	+2.9	+3.0	+3.5	+3.6	+1.2	+2.2	+3.6
구미시	12.9	14.1	14.1	14.9	15.2	15.8	15.8	16.4	16.5	14.1	15.1	16.4
		+1.2	+1.2	+2.0	+2.3	+2.9	+2.9	+3.5	+3.6	+1.2	+2.2	+3.5
군위군	11.8	13.1	13.1	13.9	14.2	14.8	14.8	15.3	15.5	13.1	14.0	15.4
		+1.3	+1.3	+2.1	+2.4	+3.0	+3.0	+3.5	+3.7	+1.3	+2.2	+3.6
김천시	12.3	13.6	13.6	14.4	14.7	15.3	15.3	15.8	15.9	13.6	14.6	15.9
		+1.3	+1.3	+2.1	+2.4	+3.0	+3.0	+3.5	+3.6	+1.3	+2.3	+3.6
문경시	11.7	12.9	13.0	13.8	14.1	14.7	14.7	15.3	15.4	13.0	14.0	15.3
		+1.2	+1.3	+2.1	+2.4	+3.0	+3.0	+3.6	+3.7	+1.3	+2.3	+3.6
봉화군	10.3	11.6	11.5	12.4	12.7	13.3	13.3	13.8	14.0	11.5	12.5	13.9
		+1.3	+1.2	+2.1	+2.4	+3.0	+3.0	+3.5	+3.7	+1.2	+2.2	+3.6
상주시	12.1	13.3	13.3	14.2	14.5	15.1	15.0	15.6	15.7	13.3	14.3	15.7
		+1.2	+1.2	+2.1	+2.4	+3.0	+2.9	+3.5	+3.6	+1.2	+2.2	+3.6
성주군	12.8	14.0	14.0	14.9	15.2	15.7	15.7	16.3	16.4	14.0	15.0	16.4
		+1.2	+1.2	+2.1	+2.4	+2.9	+2.9	+3.5	+3.6	+1.2	+2.2	+3.6
안동시	11.8	13.0	13.0	13.9	14.2	14.8	14.7	15.3	15.4	13.0	14.0	15.4
		+1.2	+1.2	+2.1	+2.4	+3.0	+2.9	+3.5	+3.6	+1.2	+2.2	+3.6
영덕군	13.1	14.3	14.3	15.1	15.4	16.0	16.0	16.5	16.7	14.3	15.3	16.6
		+1.2	+1.2	+2.0	+2.3	+2.9	+2.9	+3.4	+3.6	+1.2	+2.2	+3.5
영양군	10.4	11.6	11.6	12.5	12.8	13.4	13.4	13.9	14.0	11.6	12.6	14.0
		+1.2	+1.2	+2.1	+2.4	+3.0	+3.0	+3.5	+3.6	+1.2	+2.2	+3.6
영주시	11.5	12.7	12.7	13.5	13.8	14.4	14.4	14.9	15.1	12.7	13.7	15.0
		+1.2	+1.2	+2.0	+2.3	+2.9	+2.9	+3.4	+3.6	+1.2	+2.2	+3.5
영천시	12.8	14.0	14.1	14.9	15.2	15.8	15.8	16.3	16.4	14.1	15.1	16.4
		+1.2	+1.3	+2.1	+2.4	+3.0	+3.0	+3.5	+3.6	+1.3	+2.3	+3.6
예천군	11.8	13.1	13.0	13.9	14.2	14.8	14.8	15.4	15.5	13.0	14.0	15.4
		+1.3	+1.2	+2.1	+2.4	+3.0	+3.0	+3.6	+3.7	+1.2	+2.2	+3.6
울릉군	12.2	13.4	13.3	14.1	14.5	15.1	15.1	15.5	15.8	13.4	14.3	15.7
		+1.2	+1.1	+1.9	+2.3	+2.9	+2.9	+3.3	+3.6	+1.2	+2.1	+3.5
울진군	12.6	13.8	13.8	14.6	14.9	15.5	15.5	16.0	16.2	13.8	14.8	16.1
		+1.2	+1.2	+2.0	+2.3	+2.9	+2.9	+3.4	+3.6	+1.2	+2.2	+3.5
의성군	12.0	13.2	13.2	14.1	14.4	15.0	14.9	15.5	15.6	13.2	14.2	15.6
		+1.2	+1.2	+2.1	+2.4	+3.0	+2.9	+3.5	+3.6	+1.2	+2.2	+3.6
청도군	12.8	14.1	14.1	14.9	15.2	15.8	15.8	16.3	16.4	14.1	15.0	16.4
		+1.3	+1.3	+2.1	+2.4	+3.0	+3.0	+3.5	+3.6	+1.3	+2.2	+3.6
청송군	10.9	12.1	12.1	12.9	13.2	13.8	13.8	14.4	14.5	12.1	13.1	14.4
		+1.2	+1.2	+2.0	+2.3	+2.9	+2.9	+3.5	+3.6	+1.2	+2.2	+3.5
칠곡군	13.2	14.4	14.4	15.2	15.6	16.1	16.1	16.7	16.8	14.4	15.4	16.8
		+1.2	+1.2	+2.0	+2.4	+2.9	+2.9	+3.5	+3.6	+1.2	+2.2	+3.6
포항시	13.9	15.1	15.1	15.9	16.3	16.8	16.8	17.4	17.5	15.1	16.1	17.4
		+1.2	+1.2	+2.0	+2.4	+2.9	+2.9	+3.5	+3.6	+1.2	+2.2	+3.5

표 4-3. 경상북도의 연평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	12.4	13.4	14.1	14.9	15.4	16.1	16.5	17.4	18.2	13.8	15.1	17.8
		+1.0	+1.7	+2.5	+3.0	+3.7	+4.1	+5.0	+5.8	+1.4	+2.7	+5.4
경산시	14.0	15.0	15.7	16.5	17.0	17.7	18.2	19.0	19.8	15.4	16.7	19.4
		+1.0	+1.7	+2.5	+3.0	+3.7	+4.2	+5.0	+5.8	+1.4	+2.7	+5.4
경주시	13.4	14.4	15.1	15.8	16.4	17.0	17.5	18.3	19.1	14.8	16.1	18.7
		+1.0	+1.7	+2.4	+3.0	+3.6	+4.1	+4.9	+5.7	+1.4	+2.7	+5.3
고령군	13.0	14.0	14.7	15.5	16.0	16.7	17.2	18.1	18.8	14.4	15.7	18.4
		+1.0	+1.7	+2.5	+3.0	+3.7	+4.2	+5.1	+5.8	+1.4	+2.7	+5.4
구미시	12.9	13.9	14.6	15.4	15.9	16.6	17.0	17.9	18.7	14.2	15.6	18.3
		+1.0	+1.7	+2.5	+3.0	+3.7	+4.1	+5.0	+5.8	+1.3	+2.7	+5.4
군위군	11.8	12.9	13.5	14.3	14.9	15.6	16.0	16.9	17.6	13.2	14.6	17.2
		+1.1	+1.7	+2.5	+3.1	+3.8	+4.2	+5.1	+5.8	+1.4	+2.8	+5.4
김천시	12.3	13.3	14.0	14.8	15.4	16.1	16.5	17.4	18.1	13.7	15.1	17.8
		+1.0	+1.7	+2.5	+3.1	+3.8	+4.2	+5.1	+5.8	+1.4	+2.8	+5.5
문경시	11.7	12.7	13.4	14.2	14.8	15.5	15.9	16.9	17.6	13.1	14.5	17.2
		+1.0	+1.7	+2.5	+3.1	+3.8	+4.2	+5.2	+5.9	+1.4	+2.8	+5.5
봉화군	10.3	11.4	12.1	12.8	13.4	14.1	14.5	15.4	16.1	11.7	13.1	15.8
		+1.1	+1.8	+2.5	+3.1	+3.8	+4.2	+5.1	+5.8	+1.4	+2.8	+5.5
상주시	12.1	13.1	13.8	14.6	15.1	15.9	16.3	17.2	18.0	13.4	14.9	17.6
		+1.0	+1.7	+2.5	+3.0	+3.8	+4.2	+5.1	+5.9	+1.3	+2.8	+5.5
성주군	12.8	13.8	14.5	15.3	15.8	16.5	17.0	17.9	18.6	14.2	15.5	18.2
		+1.0	+1.7	+2.5	+3.0	+3.7	+4.2	+5.1	+5.8	+1.4	+2.7	+5.4
안동시	11.8	12.8	13.5	14.3	14.8	15.5	16.0	16.8	17.6	13.2	14.6	17.2
		+1.0	+1.7	+2.5	+3.0	+3.7	+4.2	+5.0	+5.8	+1.4	+2.8	+5.4
영덕군	13.1	14.1	14.8	15.6	16.0	16.7	17.2	18.0	18.7	14.5	15.8	18.4
		+1.0	+1.7	+2.5	+2.9	+3.6	+4.1	+4.9	+5.6	+1.4	+2.7	+5.3
영양군	10.4	11.5	12.1	12.9	13.4	14.2	14.6	15.4	16.2	11.8	13.2	15.8
		+1.1	+1.7	+2.5	+3.0	+3.8	+4.2	+5.0	+5.8	+1.4	+2.8	+5.4
영주시	11.5	12.5	13.1	14.0	14.5	15.2	15.6	16.5	17.3	12.8	14.2	16.9
		+1.0	+1.6	+2.5	+3.0	+3.7	+4.1	+5.0	+5.8	+1.3	+2.7	+5.4
영천시	12.8	13.9	14.6	15.3	15.9	16.5	17.0	17.8	18.6	14.2	15.6	18.2
		+1.1	+1.8	+2.5	+3.1	+3.7	+4.2	+5.0	+5.8	+1.4	+2.8	+5.4
예천군	11.8	12.9	13.5	14.3	14.9	15.6	16.0	16.9	17.7	13.2	14.6	17.3
		+1.1	+1.7	+2.5	+3.1	+3.8	+4.2	+5.1	+5.9	+1.4	+2.8	+5.5
울릉군	12.2	13.2	14.0	14.6	15.1	15.7	16.2	16.9	17.8	13.6	14.8	17.3
		+1.0	+1.8	+2.4	+2.9	+3.5	+4.0	+4.7	+5.6	+1.4	+2.6	+5.1
울진군	12.6	13.6	14.3	15.1	15.5	16.2	16.7	17.5	18.2	14.0	15.3	17.9
		+1.0	+1.7	+2.5	+2.9	+3.6	+4.1	+4.9	+5.6	+1.4	+2.7	+5.3
의성군	12.0	13.0	13.7	14.5	15.0	15.7	16.2	17.1	17.8	13.4	14.8	17.4
		+1.0	+1.7	+2.5	+3.0	+3.7	+4.2	+5.1	+5.8	+1.4	+2.8	+5.4
청도군	12.8	13.9	14.6	15.3	15.8	16.5	17.0	17.8	18.6	14.2	15.6	18.2
		+1.1	+1.8	+2.5	+3.0	+3.7	+4.2	+5.0	+5.8	+1.4	+2.8	+5.4
청송군	10.9	11.9	12.6	13.4	13.9	14.6	15.1	15.9	16.7	12.3	13.6	16.3
		+1.0	+1.7	+2.5	+3.0	+3.7	+4.2	+5.0	+5.8	+1.4	+2.7	+5.4
칠곡군	13.2	14.2	14.9	15.7	16.2	16.9	17.4	18.3	19.0	14.6	16.0	18.6
		+1.0	+1.7	+2.5	+3.0	+3.7	+4.2	+5.1	+5.8	+1.4	+2.8	+5.4
포항시	13.9	15.0	15.6	16.4	16.9	17.6	18.0	18.9	19.6	15.3	16.6	19.2
		+1.1	+1.7	+2.5	+3.0	+3.7	+4.1	+5.0	+5.7	+1.4	+2.7	+5.3

표 4-4. 경상북도의 연평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	12.4	13.6	14.1	15.0	15.5	16.6	17.3	18.3	19.1	13.9	15.3	18.7
		+1.2	+1.7	+2.6	+3.1	+4.2	+4.9	+5.9	+6.7	+1.5	+2.9	+6.3
경산시	14.0	15.3	15.7	16.6	17.2	18.2	18.9	19.9	20.7	15.5	16.9	20.3
		+1.3	+1.7	+2.6	+3.2	+4.2	+4.9	+5.9	+6.7	+1.5	+2.9	+6.3
경주시	13.4	14.6	15.1	15.9	16.5	17.5	18.2	19.2	20.0	14.8	16.2	19.6
		+1.2	+1.7	+2.5	+3.1	+4.1	+4.8	+5.8	+6.6	+1.4	+2.8	+6.2
고령군	13.0	14.2	14.7	15.6	16.1	17.2	17.9	19.0	19.8	14.5	15.9	19.4
		+1.2	+1.7	+2.6	+3.1	+4.2	+4.9	+6.0	+6.8	+1.5	+2.9	+6.4
구미시	12.9	14.1	14.6	15.5	16.0	17.1	17.8	18.9	19.7	14.3	15.8	19.3
		+1.2	+1.7	+2.6	+3.1	+4.2	+4.9	+6.0	+6.8	+1.4	+2.9	+6.4
군위군	11.8	13.1	13.5	14.4	15.0	16.1	16.8	17.8	18.6	13.3	14.7	18.2
		+1.3	+1.7	+2.6	+3.2	+4.3	+5.0	+6.0	+6.8	+1.5	+2.9	+6.4
김천시	12.3	13.6	14.1	15.0	15.5	16.6	17.3	18.3	19.1	13.8	15.2	18.7
		+1.3	+1.8	+2.7	+3.2	+4.3	+5.0	+6.0	+6.8	+1.5	+2.9	+6.4
문경시	11.7	13.0	13.5	14.4	14.9	16.0	16.7	17.8	18.6	13.2	14.7	18.2
		+1.3	+1.8	+2.7	+3.2	+4.3	+5.0	+6.1	+6.9	+1.5	+3.0	+6.5
봉화군	10.3	11.6	12.1	13.0	13.4	14.6	15.3	16.3	17.1	11.8	13.2	16.7
		+1.3	+1.8	+2.7	+3.1	+4.3	+5.0	+6.0	+6.8	+1.5	+2.9	+6.4
상주시	12.1	13.3	13.9	14.8	15.3	16.4	17.1	18.2	18.9	13.6	15.0	18.6
		+1.2	+1.8	+2.7	+3.2	+4.3	+5.0	+6.1	+6.8	+1.5	+2.9	+6.5
성주군	12.8	14.0	14.5	15.4	15.9	17.0	17.7	18.8	19.6	14.3	15.7	19.2
		+1.2	+1.7	+2.6	+3.1	+4.2	+4.9	+6.0	+6.8	+1.5	+2.9	+6.4
안동시	11.8	13.0	13.5	14.4	14.9	16.1	16.8	17.8	18.6	13.3	14.7	18.2
		+1.2	+1.7	+2.6	+3.1	+4.3	+5.0	+6.0	+6.8	+1.5	+2.9	+6.4
영덕군	13.1	14.4	14.8	15.7	16.2	17.3	17.9	18.9	19.7	14.6	15.9	19.3
		+1.3	+1.7	+2.6	+3.1	+4.2	+4.8	+5.8	+6.6	+1.5	+2.8	+6.2
영양군	10.4	11.7	12.1	13.0	13.5	14.6	15.4	16.4	17.1	11.9	13.3	16.8
		+1.3	+1.7	+2.6	+3.1	+4.2	+5.0	+6.0	+6.7	+1.5	+2.9	+6.4
영주시	11.5	12.7	13.2	14.1	14.6	15.7	16.4	17.5	18.2	12.9	14.3	17.8
		+1.2	+1.7	+2.6	+3.1	+4.2	+4.9	+6.0	+6.7	+1.4	+2.8	+6.3
영천시	12.8	14.1	14.5	15.4	16.0	17.0	17.8	18.8	19.6	14.3	15.7	19.2
		+1.3	+1.7	+2.6	+3.2	+4.2	+5.0	+6.0	+6.8	+1.5	+2.9	+6.4
예천군	11.8	13.1	13.6	14.5	15.0	16.2	16.9	17.9	18.7	13.3	14.7	18.3
		+1.3	+1.8	+2.7	+3.2	+4.4	+5.1	+6.1	+6.9	+1.5	+2.9	+6.5
울릉군	12.2	13.4	13.7	14.8	15.1	16.3	17.0	17.9	18.7	13.6	14.9	18.3
		+1.2	+1.5	+2.6	+2.9	+4.1	+4.8	+5.7	+6.5	+1.4	+2.7	+6.1
울진군	12.6	13.8	14.2	15.2	15.6	16.8	17.4	18.4	19.2	14.0	15.4	18.8
		+1.2	+1.6	+2.6	+3.0	+4.2	+4.8	+5.8	+6.6	+1.4	+2.8	+6.2
의성군	12.0	13.3	13.7	14.6	15.2	16.3	17.0	18.0	18.8	13.5	14.9	18.4
		+1.3	+1.7	+2.6	+3.2	+4.3	+5.0	+6.0	+6.8	+1.5	+2.9	+6.4
청도군	12.8	14.1	14.5	15.4	16.0	17.0	17.8	18.7	19.5	14.3	15.7	19.1
		+1.3	+1.7	+2.6	+3.2	+4.2	+5.0	+5.9	+6.7	+1.5	+2.9	+6.3
청송군	10.9	12.1	12.6	13.5	14.0	15.1	15.8	16.8	17.6	12.3	13.7	17.2
		+1.2	+1.7	+2.6	+3.1	+4.2	+4.9	+5.9	+6.7	+1.4	+2.8	+6.3
칠곡군	13.2	14.4	14.9	15.8	16.3	17.4	18.2	19.2	20.0	14.7	16.1	19.6
		+1.2	+1.7	+2.6	+3.1	+4.2	+5.0	+6.0	+6.8	+1.5	+2.9	+6.4
포항시	13.9	15.2	15.6	16.5	17.0	18.1	18.8	19.7	20.5	15.4	16.7	20.1
		+1.3	+1.7	+2.6	+3.1	+4.2	+4.9	+5.8	+6.6	+1.5	+2.8	+6.2

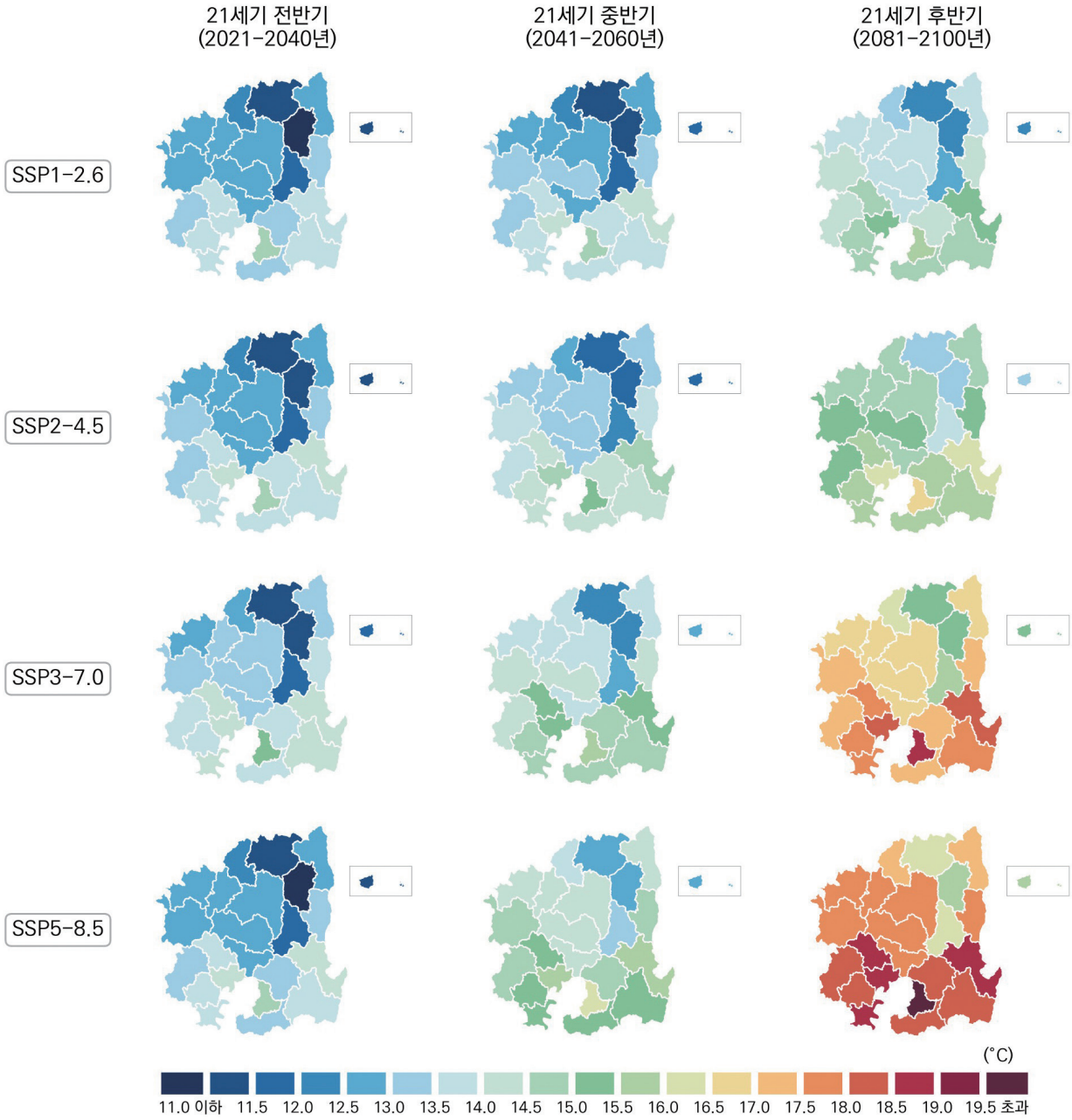


그림 4-2. 경상북도의 봄철 연평균기온(°C) 전망 분포도

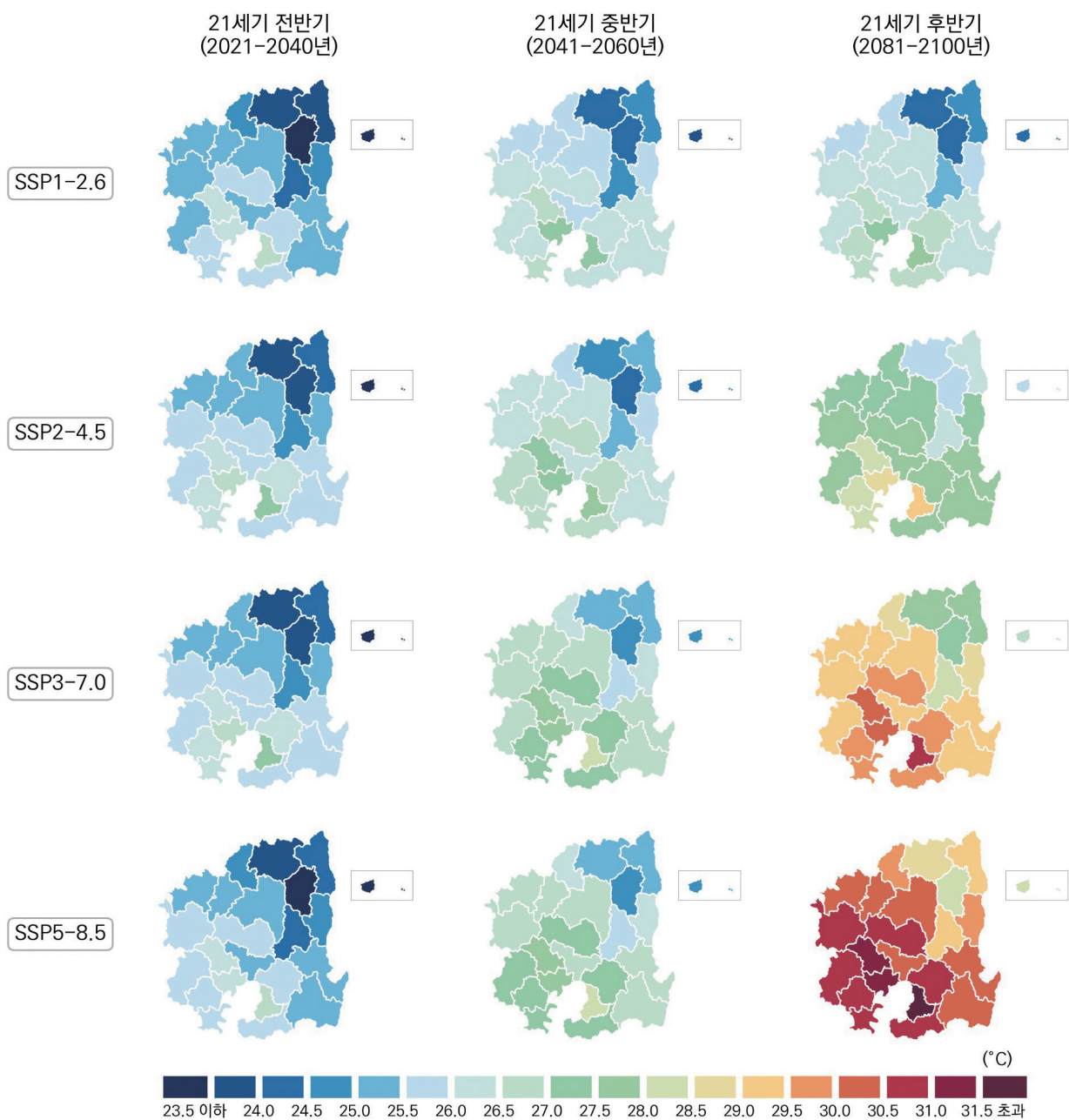


그림 4-3. 경상북도의 여름철 연평균기온(°C) 전망 분포도

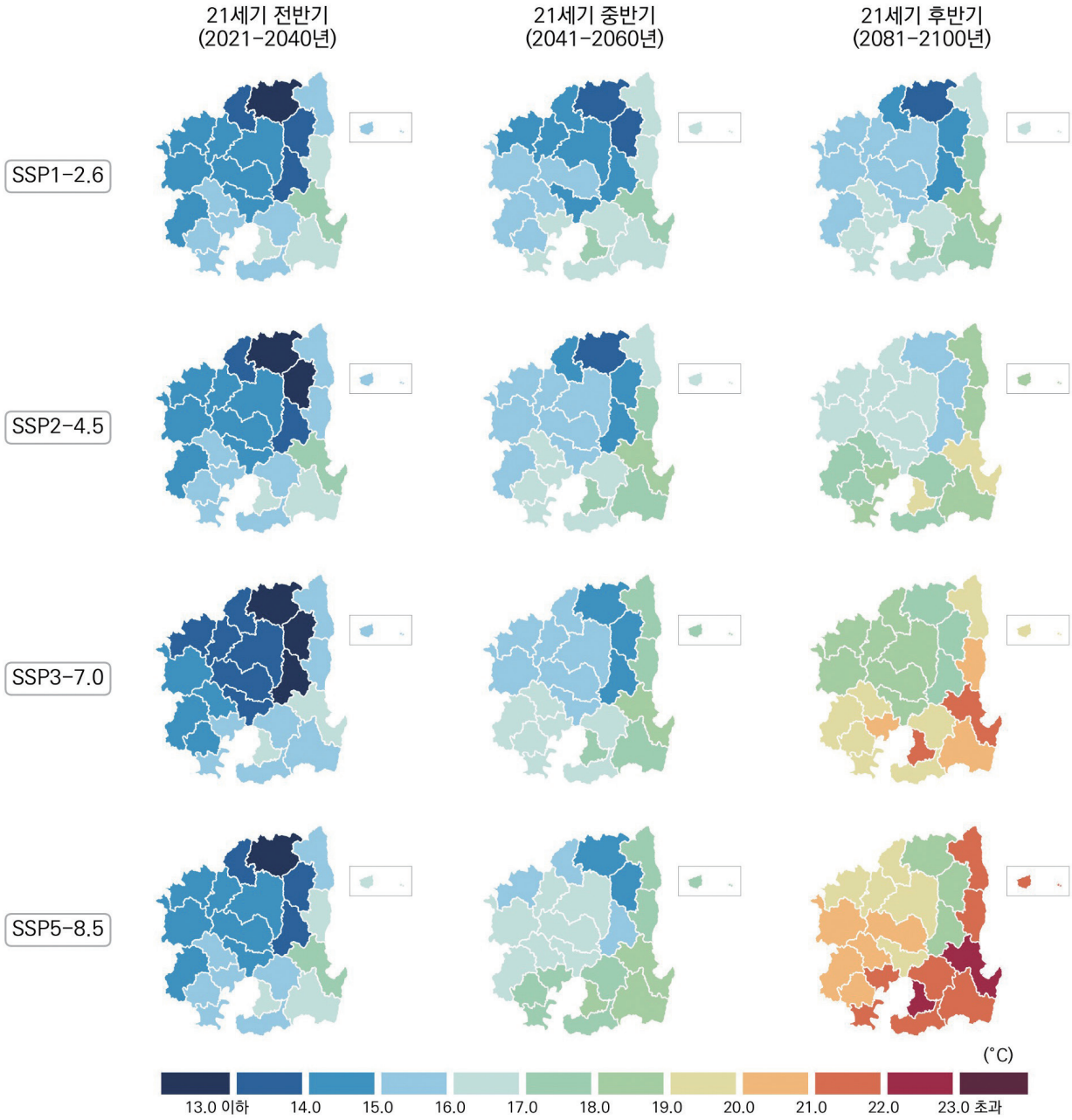


그림 4-4. 경상북도의 가을철 연평균기온(°C) 전망 분포도

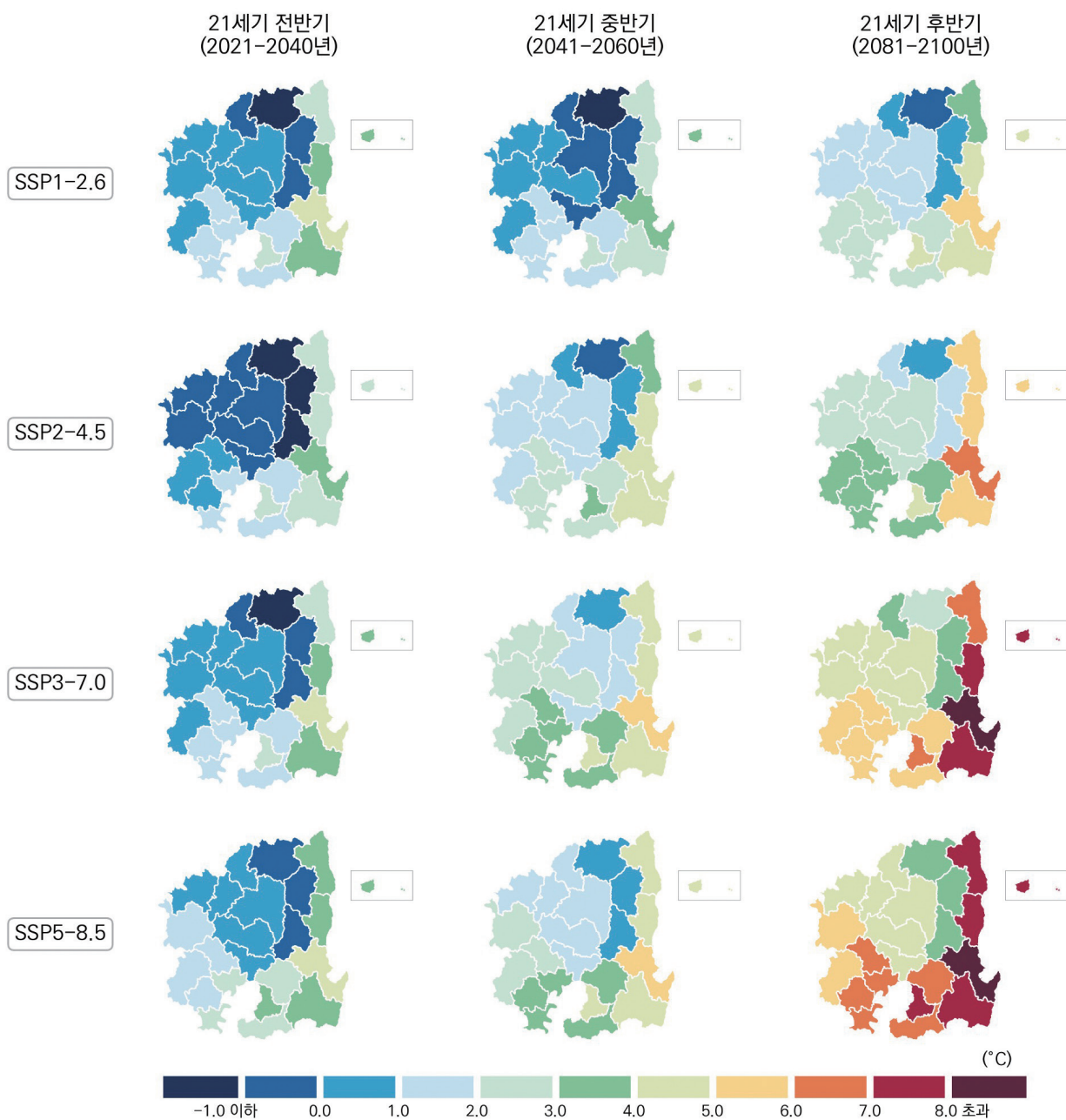


그림 4-5. 경상북도의 겨울철 연평균기온(°C) 전망 분포도

표 4-5. 경상북도의 계절별 평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	13.0	25.2	15.2	1.5	13.2	25.9	15.7	1.3	14.1	26.1	16.1	2.6
	+1.0	+1.5	+1.5	+1.4	+1.2	+2.2	+2.0	+1.2	+2.1	+2.4	+2.4	+2.5
경산시	14.7	26.8	16.7	3.0	15.0	27.5	17.4	2.7	15.8	27.7	17.7	4.1
	+0.9	+1.5	+1.5	+1.4	+1.2	+2.2	+2.2	+1.1	+2.0	+2.4	+2.5	+2.5
경주시	13.7	25.4	16.4	3.2	13.9	26.1	17.0	3.0	14.8	26.3	17.3	4.3
	+0.9	+1.4	+1.5	+1.2	+1.1	+2.1	+2.1	+1.0	+2.0	+2.3	+2.4	+2.3
고령군	13.8	25.9	15.7	2.0	14.0	26.6	16.3	1.7	14.9	26.8	16.6	3.0
	+1.0	+1.5	+1.5	+1.4	+1.2	+2.2	+2.1	+1.1	+2.1	+2.4	+2.4	+2.4
구미시	13.8	26.1	15.3	1.6	14.0	26.8	15.9	1.3	14.9	27.0	16.3	2.6
	+1.0	+1.5	+1.5	+1.4	+1.2	+2.2	+2.1	+1.1	+2.1	+2.4	+2.5	+2.4
군위군	12.6	25.3	14.4	0.3	12.9	26.0	15.0	0.0	13.8	26.2	15.4	1.4
	+0.9	+1.5	+1.5	+1.4	+1.2	+2.2	+2.1	+1.1	+2.1	+2.4	+2.5	+2.5
김천시	13.2	25.5	14.8	1.0	13.4	26.3	15.4	0.8	14.3	26.5	15.8	2.1
	+1.0	+1.5	+1.5	+1.4	+1.2	+2.3	+2.1	+1.2	+2.1	+2.5	+2.5	+2.5
문경시	12.6	25.1	14.3	0.4	12.8	25.8	14.8	0.1	13.7	26.0	15.2	1.4
	+0.9	+1.5	+1.5	+1.5	+1.1	+2.2	+2.0	+1.2	+2.0	+2.4	+2.4	+2.5
봉화군	11.1	23.6	13.0	-1.0	11.3	24.3	13.5	-1.3	12.2	24.5	13.9	0.0
	+1.0	+1.4	+1.5	+1.5	+1.2	+2.1	+2.0	+1.2	+2.1	+2.3	+2.4	+2.5
상주시	13.0	25.4	14.6	0.7	13.2	26.1	15.2	0.5	14.1	26.3	15.6	1.8
	+1.0	+1.5	+1.5	+1.4	+1.2	+2.2	+2.1	+1.2	+2.1	+2.4	+2.5	+2.5
성주군	13.6	25.8	15.4	1.6	13.8	26.5	16.0	1.4	14.7	26.8	16.4	2.7
	+1.0	+1.5	+1.5	+1.4	+1.2	+2.2	+2.1	+1.2	+2.1	+2.5	+2.5	+2.5
안동시	12.7	25.2	14.4	0.3	12.8	25.9	14.9	0.0	13.7	26.1	15.3	1.3
	+1.0	+1.5	+1.5	+1.4	+1.1	+2.2	+2.0	+1.1	+2.0	+2.4	+2.4	+2.4
영덕군	13.2	24.9	16.1	3.2	13.4	25.6	16.8	3.0	14.4	25.8	17.1	4.3
	+0.9	+1.4	+1.4	+1.3	+1.1	+2.1	+2.1	+1.1	+2.1	+2.3	+2.4	+2.4
영양군	11.0	23.4	13.1	-0.6	11.2	24.1	13.7	-0.8	12.1	24.2	14.1	0.5
	+0.9	+1.5	+1.4	+1.4	+1.1	+2.2	+2.0	+1.2	+2.0	+2.3	+2.4	+2.5
영주시	12.4	24.9	14.0	-0.1	12.5	25.6	14.5	-0.4	13.5	25.8	14.9	0.9
	+1.0	+1.5	+1.5	+1.4	+1.1	+2.2	+2.0	+1.1	+2.1	+2.4	+2.4	+2.4
영천시	13.4	25.7	15.6	1.9	13.7	26.5	16.2	1.6	14.5	26.6	16.5	3.0
	+0.9	+1.4	+1.5	+1.4	+1.2	+2.2	+2.1	+1.1	+2.0	+2.3	+2.4	+2.5
예천군	12.7	25.2	14.3	0.4	12.9	26.0	14.9	0.1	13.8	26.1	15.3	1.4
	+0.9	+1.4	+1.5	+1.5	+1.1	+2.2	+2.1	+1.2	+2.0	+2.3	+2.5	+2.5
울릉군	11.3	23.1	16.0	3.3	11.6	23.9	16.7	3.4	12.4	24.1	16.9	4.3
	+0.8	+1.5	+1.4	+1.1	+1.1	+2.3	+2.1	+1.2	+1.9	+2.5	+2.3	+2.1
울진군	12.6	24.0	15.8	3.0	12.9	24.7	16.4	2.8	13.8	24.9	16.7	4.0
	+0.9	+1.4	+1.4	+1.3	+1.2	+2.1	+2.0	+1.1	+2.1	+2.3	+2.3	+2.3
의성군	12.9	25.6	14.5	0.3	13.1	26.4	15.1	0.1	14.0	26.5	15.4	1.4
	+1.0	+1.5	+1.5	+1.3	+1.2	+2.3	+2.1	+1.1	+2.1	+2.4	+2.4	+2.4
청도군	13.5	25.6	15.5	1.9	13.8	26.4	16.2	1.7	14.6	26.6	16.5	3.0
	+0.9	+1.4	+1.4	+1.3	+1.2	+2.2	+2.1	+1.1	+2.0	+2.4	+2.4	+2.4
청송군	11.6	24.2	13.4	-0.5	11.8	25.0	14.1	-0.7	12.7	25.2	14.4	0.6
	+1.0	+1.4	+1.4	+1.4	+1.2	+2.2	+2.1	+1.2	+2.1	+2.4	+2.4	+2.5
칠곡군	14.0	26.3	15.7	1.9	14.2	27.1	16.4	1.7	15.1	27.3	16.7	3.0
	+0.9	+1.5	+1.4	+1.4	+1.1	+2.3	+2.1	+1.2	+2.0	+2.5	+2.4	+2.5
포항시	14.0	25.4	17.3	4.2	14.3	26.1	17.9	3.9	15.2	26.3	18.2	5.2
	+0.9	+1.4	+1.5	+1.4	+1.2	+2.1	+2.1	+1.1	+2.1	+2.3	+2.4	+2.4

표 4-6. 경상북도의 계절별 평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	13.1	25.5	15.0	0.8	13.6	26.2	16.2	2.3	15.2	27.5	17.5	3.5
	+1.1	+1.8	+1.3	+0.7	+1.6	+2.5	+2.5	+2.2	+3.2	+3.8	+3.8	+3.4
경산시	14.8	27.1	16.6	2.3	15.4	27.9	17.8	3.8	16.9	29.1	19.1	5.0
	+1.0	+1.8	+1.4	+0.7	+1.6	+2.6	+2.6	+2.2	+3.1	+3.8	+3.9	+3.4
경주시	13.8	25.7	16.2	2.6	14.3	26.5	17.4	4.1	15.9	27.7	18.7	5.3
	+1.0	+1.7	+1.3	+0.6	+1.5	+2.5	+2.5	+2.1	+3.1	+3.7	+3.8	+3.3
고령군	13.9	26.2	15.5	1.3	14.4	27.0	16.7	2.8	16.0	28.1	18.1	4.0
	+1.1	+1.8	+1.3	+0.7	+1.6	+2.6	+2.5	+2.2	+3.2	+3.7	+3.9	+3.4
구미시	13.9	26.4	15.2	0.9	14.4	27.2	16.3	2.4	16.0	28.3	17.7	3.7
	+1.1	+1.8	+1.4	+0.7	+1.6	+2.6	+2.5	+2.2	+3.2	+3.7	+3.9	+3.5
군위군	12.8	25.6	14.3	-0.4	13.3	26.4	15.4	1.1	14.9	27.6	16.8	2.3
	+1.1	+1.8	+1.4	+0.7	+1.6	+2.6	+2.5	+2.2	+3.2	+3.8	+3.9	+3.4
김천시	13.3	25.8	14.7	0.4	13.8	26.6	15.8	1.9	15.4	27.8	17.2	3.2
	+1.1	+1.8	+1.4	+0.8	+1.6	+2.6	+2.5	+2.3	+3.2	+3.8	+3.9	+3.6
문경시	12.7	25.4	14.1	-0.4	13.2	26.1	15.3	1.2	14.9	27.3	16.7	2.5
	+1.0	+1.8	+1.3	+0.7	+1.5	+2.5	+2.5	+2.3	+3.2	+3.7	+3.9	+3.6
봉화군	11.2	24.0	12.8	-1.8	11.7	24.7	14.0	-0.2	13.3	25.9	15.3	1.0
	+1.1	+1.8	+1.3	+0.7	+1.6	+2.5	+2.5	+2.3	+3.2	+3.7	+3.8	+3.5
상주시	13.1	25.7	14.5	0.0	13.6	26.5	15.6	1.6	15.2	27.7	17.0	2.8
	+1.1	+1.8	+1.4	+0.7	+1.6	+2.6	+2.5	+2.3	+3.2	+3.8	+3.9	+3.5
성주군	13.8	26.1	15.3	0.9	14.3	26.9	16.4	2.5	15.8	28.1	17.8	3.7
	+1.2	+1.8	+1.4	+0.7	+1.7	+2.6	+2.5	+2.3	+3.2	+3.8	+3.9	+3.5
안동시	12.7	25.5	14.2	-0.5	13.3	26.3	15.4	1.1	14.9	27.5	16.7	2.3
	+1.0	+1.8	+1.3	+0.6	+1.6	+2.6	+2.5	+2.2	+3.2	+3.8	+3.8	+3.4
영덕군	13.3	25.3	16.0	2.6	13.8	25.9	17.2	4.1	15.5	27.2	18.5	5.3
	+1.0	+1.8	+1.3	+0.7	+1.5	+2.4	+2.5	+2.2	+3.2	+3.7	+3.8	+3.4
영양군	11.1	23.7	13.0	-1.3	11.6	24.4	14.2	0.2	13.2	25.6	15.5	1.5
	+1.0	+1.8	+1.3	+0.7	+1.5	+2.5	+2.5	+2.2	+3.1	+3.7	+3.8	+3.5
영주시	12.5	25.2	13.8	-0.9	13.0	25.9	15.0	0.7	14.6	27.1	16.4	1.9
	+1.1	+1.8	+1.3	+0.6	+1.6	+2.5	+2.5	+2.2	+3.2	+3.7	+3.9	+3.4
영천시	13.6	26.1	15.4	1.2	14.1	26.8	16.6	2.7	15.7	28.0	17.9	3.9
	+1.1	+1.8	+1.3	+0.7	+1.6	+2.5	+2.5	+2.2	+3.2	+3.7	+3.8	+3.4
예천군	12.8	25.5	14.2	-0.4	13.3	26.3	15.4	1.2	15.0	27.5	16.7	2.4
	+1.0	+1.7	+1.4	+0.7	+1.5	+2.5	+2.6	+2.3	+3.2	+3.7	+3.9	+3.5
울릉군	11.3	23.4	15.9	2.9	12.0	24.1	17.0	4.2	13.5	25.6	18.2	5.4
	+0.8	+1.8	+1.3	+0.7	+1.5	+2.5	+2.4	+2.0	+3.0	+4.0	+3.6	+3.2
울진군	12.7	24.4	15.7	2.3	13.3	25.1	16.8	3.8	14.9	26.4	18.1	5.1
	+1.0	+1.8	+1.3	+0.6	+1.6	+2.5	+2.4	+2.1	+3.2	+3.8	+3.7	+3.4
의성군	13.0	25.9	14.4	-0.4	13.5	26.7	15.5	1.2	15.1	27.9	16.9	2.4
	+1.1	+1.8	+1.4	+0.6	+1.6	+2.6	+2.5	+2.2	+3.2	+3.8	+3.9	+3.4
청도군	13.6	26.0	15.4	1.2	14.1	26.7	16.6	2.7	15.7	27.9	17.9	3.9
	+1.0	+1.8	+1.3	+0.6	+1.5	+2.5	+2.5	+2.1	+3.1	+3.7	+3.8	+3.3
청송군	11.7	24.6	13.3	-1.2	12.2	25.3	14.5	0.3	13.8	26.5	15.8	1.5
	+1.1	+1.8	+1.3	+0.7	+1.6	+2.5	+2.5	+2.2	+3.2	+3.7	+3.8	+3.4
칠곡군	14.2	26.7	15.6	1.2	14.7	27.4	16.8	2.7	16.3	28.6	18.2	4.0
	+1.1	+1.9	+1.3	+0.7	+1.6	+2.6	+2.5	+2.2	+3.2	+3.8	+3.9	+3.5
포항시	14.1	25.7	17.1	3.4	14.7	26.5	18.3	5.0	16.3	27.7	19.6	6.2
	+1.0	+1.7	+1.3	+0.6	+1.6	+2.5	+2.5	+2.2	+3.2	+3.7	+3.8	+3.4

표 4-7. 경상북도의 계절별 평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	13.4	25.5	14.7	1.5	14.3	26.7	16.4	3.3	17.1	29.1	19.5	5.5
	+1.4	+1.8	+1.0	+1.4	+2.3	+3.0	+2.7	+3.2	+5.1	+5.4	+5.8	+5.4
경산시	15.1	27.1	16.3	3.0	16.0	28.3	18.0	4.7	18.8	30.7	21.1	7.0
	+1.3	+1.8	+1.1	+1.4	+2.2	+3.0	+2.8	+3.1	+5.0	+5.4	+5.9	+5.4
경주시	14.1	25.8	16.0	3.3	14.9	26.9	17.6	5.0	17.7	29.3	20.6	7.2
	+1.3	+1.8	+1.1	+1.3	+2.1	+2.9	+2.7	+3.0	+4.9	+5.3	+5.7	+5.2
고령군	14.2	26.2	15.2	2.0	15.0	27.4	16.9	3.7	17.8	29.8	20.0	6.0
	+1.4	+1.8	+1.0	+1.4	+2.2	+3.0	+2.7	+3.1	+5.0	+5.4	+5.8	+5.4
구미시	14.2	26.4	14.9	1.6	15.1	27.6	16.6	3.3	17.9	30.1	19.7	5.6
	+1.4	+1.8	+1.1	+1.4	+2.3	+3.0	+2.8	+3.1	+5.1	+5.5	+5.9	+5.4
군위군	13.1	25.6	14.0	0.3	13.9	26.8	15.7	2.0	16.8	29.3	18.8	4.3
	+1.4	+1.8	+1.1	+1.4	+2.2	+3.0	+2.8	+3.1	+5.1	+5.5	+5.9	+5.4
김천시	13.6	25.8	14.4	1.0	14.4	27.0	16.1	2.8	17.3	29.5	19.2	5.1
	+1.4	+1.8	+1.1	+1.4	+2.2	+3.0	+2.8	+3.2	+5.1	+5.5	+5.9	+5.5
문경시	13.0	25.3	13.8	0.3	13.9	26.6	15.5	2.1	16.7	29.1	18.7	4.4
	+1.3	+1.7	+1.0	+1.4	+2.2	+3.0	+2.7	+3.2	+5.0	+5.5	+5.9	+5.5
봉화군	11.5	23.9	12.5	-1.0	12.4	25.2	14.2	0.7	15.3	27.6	17.3	3.0
	+1.4	+1.7	+1.0	+1.5	+2.3	+3.0	+2.7	+3.2	+5.2	+5.4	+5.8	+5.5
상주시	13.4	25.6	14.1	0.7	14.2	26.9	15.9	2.5	17.1	29.4	19.0	4.8
	+1.4	+1.7	+1.0	+1.4	+2.2	+3.0	+2.8	+3.2	+5.1	+5.5	+5.9	+5.5
성주군	14.0	26.1	15.0	1.6	14.9	27.3	16.7	3.3	17.7	29.8	19.8	5.6
	+1.4	+1.8	+1.1	+1.4	+2.3	+3.0	+2.8	+3.1	+5.1	+5.5	+5.9	+5.4
안동시	13.1	25.5	13.9	0.3	13.9	26.7	15.6	2.0	16.8	29.2	18.7	4.3
	+1.4	+1.8	+1.0	+1.4	+2.2	+3.0	+2.7	+3.1	+5.1	+5.5	+5.8	+5.4
영덕군	13.7	25.3	15.8	3.3	14.5	26.4	17.4	5.0	17.3	28.8	20.3	7.2
	+1.4	+1.8	+1.1	+1.4	+2.2	+2.9	+2.7	+3.1	+5.0	+5.3	+5.6	+5.3
영양군	11.4	23.7	12.7	-0.6	12.3	24.9	14.4	1.2	15.1	27.3	17.4	3.4
	+1.3	+1.8	+1.0	+1.4	+2.2	+3.0	+2.7	+3.2	+5.0	+5.4	+5.7	+5.4
영주시	12.8	25.2	13.5	-0.1	13.6	26.4	15.2	1.6	16.5	28.9	18.3	3.9
	+1.4	+1.8	+1.0	+1.4	+2.2	+3.0	+2.7	+3.1	+5.1	+5.5	+5.8	+5.4
영천시	13.9	26.1	15.1	1.9	14.7	27.2	16.8	3.6	17.5	29.7	19.9	5.9
	+1.4	+1.8	+1.0	+1.4	+2.2	+2.9	+2.7	+3.1	+5.0	+5.4	+5.8	+5.4
예천군	13.1	25.5	13.9	0.3	14.0	26.8	15.6	2.1	16.8	29.3	18.7	4.4
	+1.3	+1.7	+1.1	+1.4	+2.2	+3.0	+2.8	+3.2	+5.0	+5.5	+5.9	+5.5
울릉군	11.8	23.5	15.7	3.4	12.6	24.6	17.2	4.9	15.3	27.0	19.9	7.2
	+1.3	+1.9	+1.1	+1.2	+2.1	+3.0	+2.6	+2.7	+4.8	+5.4	+5.3	+5.0
울진군	13.1	24.4	15.4	3.0	13.9	25.5	17.1	4.7	16.7	27.9	19.9	7.0
	+1.4	+1.8	+1.0	+1.3	+2.2	+2.9	+2.7	+3.0	+5.0	+5.3	+5.5	+5.3
의성군	13.3	25.9	14.0	0.4	14.2	27.2	15.7	2.1	17.0	29.6	18.9	4.3
	+1.4	+1.8	+1.0	+1.4	+2.3	+3.1	+2.7	+3.1	+5.1	+5.5	+5.9	+5.3
청도군	13.9	25.9	15.1	1.9	14.7	27.1	16.8	3.6	17.5	29.6	19.9	5.9
	+1.3	+1.7	+1.0	+1.3	+2.1	+2.9	+2.7	+3.0	+4.9	+5.4	+5.8	+5.3
청송군	12.0	24.6	13.0	-0.5	12.8	25.8	14.7	1.2	15.7	28.2	17.8	3.5
	+1.4	+1.8	+1.0	+1.4	+2.2	+3.0	+2.7	+3.1	+5.1	+5.4	+5.8	+5.4
칠곡군	14.4	26.7	15.3	1.9	15.3	27.9	17.0	3.6	18.1	30.3	20.1	5.9
	+1.3	+1.9	+1.0	+1.4	+2.2	+3.1	+2.7	+3.1	+5.0	+5.5	+5.8	+5.4
포항시	14.5	25.7	16.9	4.2	15.3	26.9	18.5	5.9	18.1	29.3	21.5	8.1
	+1.4	+1.7	+1.1	+1.4	+2.2	+2.9	+2.7	+3.1	+5.0	+5.3	+5.7	+5.3

표 4-8. 경상북도의 계절별 평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	13.0	25.3	15.2	1.9	14.6	26.7	16.9	3.0	17.9	30.3	20.7	6.0
	+1.0	+1.6	+1.5	+1.8	+2.6	+3.0	+3.2	+2.9	+5.9	+6.6	+7.0	+5.9
경산시	14.8	26.9	16.8	3.4	16.3	28.3	18.5	4.4	19.6	31.9	22.3	7.5
	+1.0	+1.6	+1.6	+1.8	+2.5	+3.0	+3.3	+2.8	+5.8	+6.6	+7.1	+5.9
경주시	13.7	25.5	16.5	3.7	15.3	26.9	18.1	4.7	18.5	30.5	21.8	7.7
	+0.9	+1.5	+1.6	+1.7	+2.5	+2.9	+3.2	+2.7	+5.7	+6.5	+6.9	+5.7
고령군	13.8	26.0	15.8	2.4	15.4	27.4	17.4	3.4	18.6	31.0	21.2	6.5
	+1.0	+1.6	+1.6	+1.8	+2.6	+3.0	+3.2	+2.8	+5.8	+6.6	+7.0	+5.9
구미시	13.8	26.3	15.4	2.0	15.4	27.6	17.0	3.0	18.7	31.3	21.0	6.2
	+1.0	+1.7	+1.6	+1.8	+2.6	+3.0	+3.2	+2.8	+5.9	+6.7	+7.2	+6.0
군위군	12.7	25.5	14.5	0.7	14.3	26.8	16.1	1.7	17.6	30.5	20.0	4.8
	+1.0	+1.7	+1.6	+1.8	+2.6	+3.0	+3.2	+2.8	+5.9	+6.7	+7.1	+5.9
김천시	13.2	25.7	14.9	1.5	14.8	27.1	16.5	2.5	18.1	30.7	20.5	5.7
	+1.0	+1.7	+1.6	+1.9	+2.6	+3.1	+3.2	+2.9	+5.9	+6.7	+7.2	+6.1
문경시	12.6	25.2	14.3	0.8	14.2	26.6	16.0	1.8	17.6	30.3	20.0	4.9
	+0.9	+1.6	+1.5	+1.9	+2.5	+3.0	+3.2	+2.9	+5.9	+6.7	+7.2	+6.0
봉화군	11.1	23.8	13.0	-0.6	12.7	25.1	14.7	0.4	16.1	28.7	18.6	3.5
	+1.0	+1.6	+1.5	+1.9	+2.6	+2.9	+3.2	+2.9	+6.0	+6.5	+7.1	+6.0
상주시	13.0	25.6	14.7	1.2	14.6	27.0	16.4	2.2	17.9	30.6	20.3	5.3
	+1.0	+1.7	+1.6	+1.9	+2.6	+3.1	+3.3	+2.9	+5.9	+6.7	+7.2	+6.0
성주군	13.6	26.0	15.5	2.0	15.2	27.4	17.1	3.1	18.5	31.0	21.0	6.2
	+1.0	+1.7	+1.6	+1.8	+2.6	+3.1	+3.2	+2.9	+5.9	+6.7	+7.1	+6.0
안동시	12.7	25.4	14.4	0.7	14.3	26.7	16.1	1.7	17.6	30.4	20.0	4.8
	+1.0	+1.7	+1.5	+1.8	+2.6	+3.0	+3.2	+2.8	+5.9	+6.7	+7.1	+5.9
영덕군	13.3	25.0	16.3	3.7	14.8	26.4	17.8	4.7	18.0	29.9	21.5	7.7
	+1.0	+1.5	+1.6	+1.8	+2.5	+2.9	+3.1	+2.8	+5.7	+6.4	+6.8	+5.8
영양군	11.0	23.5	13.2	-0.1	12.6	24.9	14.9	0.9	16.0	28.5	18.7	3.9
	+0.9	+1.6	+1.5	+1.9	+2.5	+3.0	+3.2	+2.9	+5.9	+6.6	+7.0	+5.9
영주시	12.4	25.0	14.0	0.4	14.0	26.4	15.7	1.3	17.4	30.0	19.6	4.4
	+1.0	+1.6	+1.5	+1.9	+2.6	+3.0	+3.2	+2.8	+6.0	+6.6	+7.1	+5.9
영천시	13.5	25.8	15.6	2.3	15.0	27.2	17.2	3.3	18.3	30.8	21.1	6.4
	+1.0	+1.5	+1.5	+1.8	+2.5	+2.9	+3.1	+2.8	+5.8	+6.5	+7.0	+5.9
예천군	12.7	25.4	14.4	0.8	14.3	26.8	16.1	1.8	17.7	30.5	20.0	4.9
	+0.9	+1.6	+1.6	+1.9	+2.5	+3.0	+3.3	+2.9	+5.9	+6.7	+7.2	+6.0
울릉군	11.5	23.1	16.1	3.7	12.8	24.7	17.5	4.8	16.0	28.2	21.1	7.8
	+1.0	+1.5	+1.5	+1.5	+2.3	+3.1	+2.9	+2.6	+5.5	+6.6	+6.5	+5.6
울진군	12.7	24.1	15.9	3.5	14.2	25.5	17.5	4.5	17.5	29.1	21.2	7.5
	+1.0	+1.5	+1.5	+1.8	+2.5	+2.9	+3.1	+2.8	+5.8	+6.5	+6.8	+5.8
의성군	12.9	25.8	14.6	0.8	14.5	27.2	16.2	1.8	17.8	30.8	20.1	4.9
	+1.0	+1.7	+1.6	+1.8	+2.6	+3.1	+3.2	+2.8	+5.9	+6.7	+7.1	+5.9
청도군	13.5	25.8	15.6	2.3	15.1	27.2	17.2	3.3	18.4	30.7	21.1	6.4
	+0.9	+1.6	+1.5	+1.7	+2.5	+3.0	+3.1	+2.7	+5.8	+6.5	+7.0	+5.8
청송군	11.6	24.4	13.5	0.0	13.2	25.8	15.2	0.9	16.5	29.4	19.0	4.0
	+1.0	+1.6	+1.5	+1.9	+2.6	+3.0	+3.2	+2.8	+5.9	+6.6	+7.0	+5.9
칠곡군	14.1	26.5	15.8	2.3	15.6	27.9	17.5	3.4	18.9	31.5	21.4	6.5
	+1.0	+1.7	+1.5	+1.8	+2.5	+3.1	+3.2	+2.9	+5.8	+6.7	+7.1	+6.0
포항시	14.1	25.5	17.4	4.6	15.6	26.9	18.9	5.6	18.9	30.5	22.6	8.6
	+1.0	+1.5	+1.6	+1.8	+2.5	+2.9	+3.1	+2.8	+5.8	+6.5	+6.8	+5.8

2) 연평균 최고기온

- SSP 시나리오에 따른 경상북도 연평균 최고기온은 현재(2000-2019년, 18.4℃) 대비 21세기 중반기에 1.7~2.9℃, 21세기 후반기에 2.4~6.5℃ 상승할 것으로 전망됨.
 - SSP1-2.6 시나리오에서 경상북도 연평균 최고기온은 현재 대비 21세기 중반기에 1.7℃, 후반기에 2.4℃ 상승할 것으로 전망됨.
 - SSP2-4.5 시나리오에서 경상북도 연평균 최고기온은 현재 대비 21세기 중반기에 2.3℃, 후반기에 3.6℃ 상승할 것으로 전망됨.
 - SSP3-7.0 시나리오에서 경상북도 연평균 최고기온은 현재 대비 21세기 중반기에 2.9℃, 후반기에 5.5℃ 상승할 것으로 전망됨.
 - SSP5-8.5 시나리오에서 경상북도 연평균 최고기온은 현재 대비 21세기 중반기에 2.9℃, 후반기에 6.5℃ 상승할 것으로 전망됨.
- SSP5-8.5 시나리오에서 현재 대비 21세기 하반기 경상북도 연평균 최고기온 상승폭(+6.5℃)은 SSP1-2.6 시나리오에서의 상승폭(+2.4℃)보다 4.1℃ 크게 나타남.
- 현재(2000-2019년) 경상북도 연평균 최고기온(18.4℃)은 우리나라 평균(18.2℃)보다 0.2℃ 높으며 SSP5-8.5에서 21세기 하반기 경상북도 연평균 최고기온 상승폭(+6.5℃)은 우리나라 평균 상승폭(+6.4℃)보다 크게 나타남.

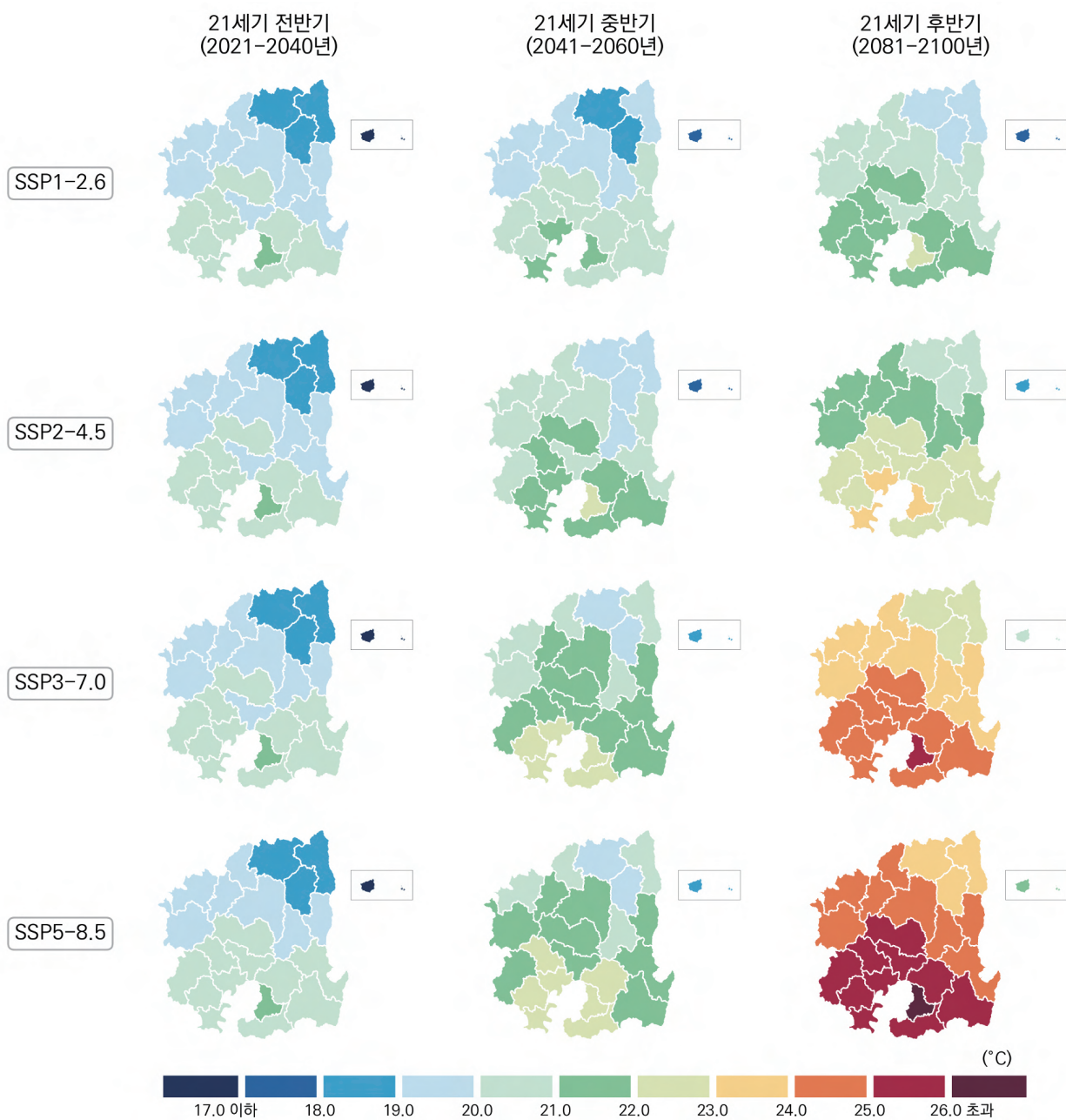


그림 4-6. 경상북도의 연평균 최고기온(°C) 전망 분포도

표 4-9. 경상북도의 연평균 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	18.4	19.6	20.0	20.2	20.1	20.4	20.6	20.8	20.8	19.8	20.1	20.8
		+1.2	+1.6	+1.8	+1.7	+2.0	+2.2	+2.4	+2.4	+1.4	+1.7	+2.4
경산시	19.9	21.1	21.5	21.7	21.6	22.0	22.1	22.4	22.4	21.3	21.7	22.4
		+1.2	+1.6	+1.8	+1.7	+2.1	+2.2	+2.5	+2.5	+1.4	+1.8	+2.5
경주시	19.0	20.1	20.6	20.8	20.7	21.0	21.1	21.4	21.4	20.3	20.7	21.4
		+1.1	+1.6	+1.8	+1.7	+2.0	+2.1	+2.4	+2.4	+1.3	+1.7	+2.4
고령군	19.5	20.6	21.0	21.2	21.1	21.5	21.6	21.9	21.9	20.8	21.2	21.9
		+1.1	+1.5	+1.7	+1.6	+2.0	+2.1	+2.4	+2.4	+1.3	+1.7	+2.4
구미시	19.1	20.3	20.7	20.9	20.8	21.2	21.3	21.5	21.6	20.5	20.8	21.6
		+1.2	+1.6	+1.8	+1.7	+2.1	+2.2	+2.4	+2.5	+1.4	+1.7	+2.5
군위군	18.5	19.7	20.1	20.3	20.2	20.6	20.7	21.0	21.0	19.9	20.3	21.0
		+1.2	+1.6	+1.8	+1.7	+2.1	+2.2	+2.5	+2.5	+1.4	+1.8	+2.5
김천시	18.7	19.9	20.3	20.5	20.4	20.8	20.9	21.1	21.2	20.1	20.4	21.2
		+1.2	+1.6	+1.8	+1.7	+2.1	+2.2	+2.4	+2.5	+1.4	+1.7	+2.5
문경시	17.9	19.1	19.5	19.6	19.5	19.9	20.1	20.3	20.4	19.3	19.6	20.3
		+1.2	+1.6	+1.7	+1.6	+2.0	+2.2	+2.4	+2.5	+1.4	+1.7	+2.4
봉화군	17.0	18.2	18.5	18.7	18.6	19.0	19.1	19.3	19.3	18.4	18.6	19.3
		+1.2	+1.5	+1.7	+1.6	+2.0	+2.1	+2.3	+2.3	+1.4	+1.6	+2.3
상주시	18.1	19.3	19.7	19.9	19.8	20.2	20.3	20.5	20.7	19.5	19.8	20.6
		+1.2	+1.6	+1.8	+1.7	+2.1	+2.2	+2.4	+2.6	+1.4	+1.7	+2.5
성주군	19.2	20.3	20.7	20.9	20.9	21.2	21.4	21.6	21.7	20.5	20.9	21.6
		+1.1	+1.5	+1.7	+1.7	+2.0	+2.2	+2.4	+2.5	+1.3	+1.7	+2.4
안동시	18.4	19.6	19.9	20.1	20.0	20.4	20.5	20.7	20.8	19.7	20.0	20.8
		+1.2	+1.5	+1.7	+1.6	+2.0	+2.1	+2.3	+2.4	+1.3	+1.6	+2.4
영덕군	18.5	19.5	20.0	20.2	20.1	20.4	20.5	20.8	20.7	19.7	20.1	20.7
		+1.0	+1.5	+1.7	+1.6	+1.9	+2.0	+2.3	+2.2	+1.2	+1.6	+2.2
영양군	16.9	18.1	18.5	18.6	18.5	18.9	19.0	19.3	19.2	18.3	18.6	19.2
		+1.2	+1.6	+1.7	+1.6	+2.0	+2.1	+2.4	+2.3	+1.4	+1.7	+2.3
영주시	18.1	19.3	19.7	19.8	19.7	20.1	20.2	20.4	20.5	19.5	19.8	20.5
		+1.2	+1.6	+1.7	+1.6	+2.0	+2.1	+2.3	+2.4	+1.4	+1.7	+2.4
영천시	19.2	20.3	20.7	20.9	20.9	21.2	21.3	21.6	21.6	20.5	20.9	21.6
		+1.1	+1.5	+1.7	+1.7	+2.0	+2.1	+2.4	+2.4	+1.3	+1.7	+2.4
예천군	18.3	19.5	19.8	20.0	19.9	20.3	20.5	20.7	20.7	19.7	19.9	20.7
		+1.2	+1.5	+1.7	+1.6	+2.0	+2.2	+2.4	+2.4	+1.4	+1.6	+2.4
울릉군	15.6	16.4	17.0	17.2	17.2	17.4	17.6	17.7	17.7	16.7	17.2	17.7
		+0.8	+1.4	+1.6	+1.6	+1.8	+2.0	+2.1	+2.1	+1.1	+1.6	+2.1
울진군	17.5	18.5	19.0	19.2	19.1	19.4	19.6	19.8	19.7	18.8	19.1	19.7
		+1.0	+1.5	+1.7	+1.6	+1.9	+2.1	+2.3	+2.2	+1.3	+1.6	+2.2
의성군	18.9	20.1	20.4	20.6	20.5	20.9	21.0	21.3	21.3	20.2	20.6	21.3
		+1.2	+1.5	+1.7	+1.6	+2.0	+2.1	+2.4	+2.4	+1.3	+1.7	+2.4
청도군	19.2	20.4	20.8	21.0	20.9	21.3	21.4	21.6	21.7	20.6	20.9	21.6
		+1.2	+1.6	+1.8	+1.7	+2.1	+2.2	+2.4	+2.5	+1.4	+1.7	+2.4
청송군	17.8	18.9	19.3	19.6	19.4	19.8	19.9	20.2	20.2	19.1	19.5	20.2
		+1.1	+1.5	+1.8	+1.6	+2.0	+2.1	+2.4	+2.4	+1.3	+1.7	+2.4
칠곡군	19.4	20.6	21.0	21.2	21.1	21.5	21.6	21.9	21.9	20.8	21.1	21.9
		+1.2	+1.6	+1.8	+1.7	+2.1	+2.2	+2.5	+2.5	+1.4	+1.7	+2.5
포항시	18.6	19.7	20.2	20.4	20.3	20.6	20.7	21.0	21.0	20.0	20.3	21.0
		+1.1	+1.6	+1.8	+1.7	+2.0	+2.1	+2.4	+2.4	+1.4	+1.7	+2.4

표 4-10. 경상북도의 연평균 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	18.4	19.8	19.7	20.5	20.8	21.4	21.4	21.9	22.1	19.7	20.7	22.0
		+1.4	+1.3	+2.1	+2.4	+3.0	+3.0	+3.5	+3.7	+1.3	+2.3	+3.6
경산시	19.9	21.3	21.3	22.1	22.4	23.0	22.9	23.5	23.6	21.3	22.3	23.6
		+1.4	+1.4	+2.2	+2.5	+3.1	+3.0	+3.6	+3.7	+1.4	+2.4	+3.7
경주시	19.0	20.4	20.3	21.2	21.4	22.0	22.0	22.5	22.7	20.3	21.3	22.6
		+1.4	+1.3	+2.2	+2.4	+3.0	+3.0	+3.5	+3.7	+1.3	+2.3	+3.6
고령군	19.5	20.8	20.8	21.6	21.9	22.4	22.5	23.0	23.2	20.8	21.8	23.1
		+1.3	+1.3	+2.1	+2.4	+2.9	+3.0	+3.5	+3.7	+1.3	+2.3	+3.6
구미시	19.1	20.5	20.4	21.2	21.6	22.1	22.1	22.7	22.8	20.4	21.4	22.7
		+1.4	+1.3	+2.1	+2.5	+3.0	+3.0	+3.6	+3.7	+1.3	+2.3	+3.6
군위군	18.5	19.9	19.9	20.7	21.0	21.6	21.5	22.1	22.3	19.9	20.8	22.2
		+1.4	+1.4	+2.2	+2.5	+3.1	+3.0	+3.6	+3.8	+1.4	+2.3	+3.7
김천시	18.7	20.1	20.0	20.9	21.2	21.7	21.7	22.3	22.4	20.1	21.0	22.4
		+1.4	+1.3	+2.2	+2.5	+3.0	+3.0	+3.6	+3.7	+1.4	+2.3	+3.7
문경시	17.9	19.2	19.2	20.0	20.4	20.9	20.8	21.4	21.6	19.2	20.2	21.5
		+1.3	+1.3	+2.1	+2.5	+3.0	+2.9	+3.5	+3.7	+1.3	+2.3	+3.6
봉화군	17.0	18.3	18.3	19.0	19.4	20.0	20.0	20.4	20.7	18.3	19.2	20.5
		+1.3	+1.3	+2.0	+2.4	+3.0	+3.0	+3.4	+3.7	+1.3	+2.2	+3.5
상주시	18.1	19.5	19.4	20.2	20.6	21.2	21.1	21.7	21.9	19.5	20.4	21.8
		+1.4	+1.3	+2.1	+2.5	+3.1	+3.0	+3.6	+3.8	+1.4	+2.3	+3.7
성주군	19.2	20.6	20.5	21.3	21.7	22.1	22.1	22.7	22.9	20.5	21.5	22.8
		+1.4	+1.3	+2.1	+2.5	+2.9	+2.9	+3.5	+3.7	+1.3	+2.3	+3.6
안동시	18.4	19.7	19.6	20.4	20.8	21.4	21.3	21.8	22.0	19.7	20.6	21.9
		+1.3	+1.2	+2.0	+2.4	+3.0	+2.9	+3.4	+3.6	+1.3	+2.2	+3.5
영덕군	18.5	19.7	19.7	20.4	20.8	21.4	21.4	21.8	22.1	19.7	20.6	21.9
		+1.2	+1.2	+1.9	+2.3	+2.9	+2.9	+3.3	+3.6	+1.2	+2.1	+3.4
영양군	16.9	18.2	18.2	19.0	19.3	19.9	19.9	20.4	20.6	18.2	19.1	20.5
		+1.3	+1.3	+2.1	+2.4	+3.0	+3.0	+3.5	+3.7	+1.3	+2.2	+3.6
영주시	18.1	19.4	19.4	20.2	20.5	21.1	21.0	21.6	21.8	19.4	20.3	21.7
		+1.3	+1.3	+2.1	+2.4	+3.0	+2.9	+3.5	+3.7	+1.3	+2.2	+3.6
영천시	19.2	20.6	20.5	21.3	21.6	22.2	22.1	22.7	22.9	20.5	21.5	22.8
		+1.4	+1.3	+2.1	+2.4	+3.0	+2.9	+3.5	+3.7	+1.3	+2.3	+3.6
예천군	18.3	19.6	19.6	20.3	20.7	21.3	21.2	21.8	22.0	19.6	20.5	21.9
		+1.3	+1.3	+2.0	+2.4	+3.0	+2.9	+3.5	+3.7	+1.3	+2.2	+3.6
울릉군	15.6	16.7	16.6	17.4	17.8	18.3	18.4	18.7	19.1	16.6	17.6	18.9
		+1.1	+1.0	+1.8	+2.2	+2.7	+2.8	+3.1	+3.5	+1.0	+2.0	+3.3
울진군	17.5	18.7	18.7	19.5	19.8	20.4	20.4	20.9	21.1	18.7	19.6	21.0
		+1.2	+1.2	+2.0	+2.3	+2.9	+2.9	+3.4	+3.6	+1.2	+2.1	+3.5
의성군	18.9	20.2	20.2	21.0	21.3	21.9	21.8	22.4	22.6	20.2	21.1	22.5
		+1.3	+1.3	+2.1	+2.4	+3.0	+2.9	+3.5	+3.7	+1.3	+2.2	+3.6
청도군	19.2	20.6	20.6	21.4	21.7	22.2	22.2	22.8	22.9	20.6	21.5	22.8
		+1.4	+1.4	+2.2	+2.5	+3.0	+3.0	+3.6	+3.7	+1.4	+2.3	+3.6
청송군	17.8	19.1	19.1	19.9	20.2	20.8	20.7	21.3	21.5	19.1	20.0	21.4
		+1.3	+1.3	+2.1	+2.4	+3.0	+2.9	+3.5	+3.7	+1.3	+2.2	+3.6
칠곡군	19.4	20.8	20.7	21.6	21.9	22.4	22.4	23.0	23.2	20.8	21.7	23.1
		+1.4	+1.3	+2.2	+2.5	+3.0	+3.0	+3.6	+3.8	+1.4	+2.3	+3.7
포항시	18.6	20.0	19.9	20.7	21.0	21.6	21.6	22.1	22.3	19.9	20.9	22.2
		+1.4	+1.3	+2.1	+2.4	+3.0	+3.0	+3.5	+3.7	+1.3	+2.3	+3.6

표 4-11. 경상북도의 연평균 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	18.4	19.5	20.1	21.1	21.5	22.1	22.6	23.5	24.3	19.8	21.3	23.9
		+1.1	+1.7	+2.7	+3.1	+3.7	+4.2	+5.1	+5.9	+1.4	+2.9	+5.5
경산시	19.9	21.1	21.7	22.6	23.0	23.6	24.1	25.1	25.8	21.4	22.8	25.4
		+1.2	+1.8	+2.7	+3.1	+3.7	+4.2	+5.2	+5.9	+1.5	+2.9	+5.5
경주시	19.0	20.1	20.8	21.7	22.1	22.6	23.2	24.1	24.8	20.4	21.9	24.4
		+1.1	+1.8	+2.7	+3.1	+3.6	+4.2	+5.1	+5.8	+1.4	+2.9	+5.4
고령군	19.5	20.6	21.2	22.1	22.5	23.1	23.6	24.6	25.3	20.9	22.3	25.0
		+1.1	+1.7	+2.6	+3.0	+3.6	+4.1	+5.1	+5.8	+1.4	+2.8	+5.5
구미시	19.1	20.2	20.8	21.8	22.2	22.9	23.3	24.3	25.0	20.5	22.0	24.7
		+1.1	+1.7	+2.7	+3.1	+3.8	+4.2	+5.2	+5.9	+1.4	+2.9	+5.6
군위군	18.5	19.7	20.3	21.3	21.6	22.3	22.7	23.7	24.4	20.0	21.5	24.1
		+1.2	+1.8	+2.8	+3.1	+3.8	+4.2	+5.2	+5.9	+1.5	+3.0	+5.6
김천시	18.7	19.8	20.4	21.4	21.8	22.5	22.9	24.0	24.7	20.1	21.6	24.3
		+1.1	+1.7	+2.7	+3.1	+3.8	+4.2	+5.3	+6.0	+1.4	+2.9	+5.6
문경시	17.9	18.9	19.6	20.6	21.0	21.7	22.0	23.1	23.9	19.3	20.8	23.5
		+1.0	+1.7	+2.7	+3.1	+3.8	+4.1	+5.2	+6.0	+1.4	+2.9	+5.6
봉화군	17.0	18.0	18.7	19.6	20.0	20.7	21.1	22.1	22.8	18.4	19.8	22.4
		+1.0	+1.7	+2.6	+3.0	+3.7	+4.1	+5.1	+5.8	+1.4	+2.8	+5.4
상주시	18.1	19.2	19.8	20.8	21.2	21.9	22.3	23.3	24.1	19.5	21.0	23.7
		+1.1	+1.7	+2.7	+3.1	+3.8	+4.2	+5.2	+6.0	+1.4	+2.9	+5.6
성주군	19.2	20.2	20.9	21.9	22.3	22.9	23.3	24.4	25.1	20.6	22.1	24.7
		+1.0	+1.7	+2.7	+3.1	+3.7	+4.1	+5.2	+5.9	+1.4	+2.9	+5.5
안동시	18.4	19.4	20.0	21.0	21.4	22.1	22.5	23.5	24.2	19.7	21.2	23.9
		+1.0	+1.6	+2.6	+3.0	+3.7	+4.1	+5.1	+5.8	+1.3	+2.8	+5.5
영덕군	18.5	19.5	20.2	21.0	21.4	22.1	22.5	23.4	24.1	19.9	21.2	23.7
		+1.0	+1.7	+2.5	+2.9	+3.6	+4.0	+4.9	+5.6	+1.4	+2.7	+5.2
영양군	16.9	18.0	18.6	19.6	20.0	20.6	21.1	22.0	22.7	18.3	19.8	22.3
		+1.1	+1.7	+2.7	+3.1	+3.7	+4.2	+5.1	+5.8	+1.4	+2.9	+5.4
영주시	18.1	19.2	19.8	20.7	21.2	21.9	22.3	23.2	24.0	19.5	21.0	23.6
		+1.1	+1.7	+2.6	+3.1	+3.8	+4.2	+5.1	+5.9	+1.4	+2.9	+5.5
영천시	19.2	20.3	20.9	21.9	22.2	22.8	23.4	24.3	25.0	20.6	22.0	24.7
		+1.1	+1.7	+2.7	+3.0	+3.6	+4.2	+5.1	+5.8	+1.4	+2.8	+5.5
예천군	18.3	19.3	19.9	21.0	21.4	22.0	22.4	23.4	24.2	19.6	21.2	23.8
		+1.0	+1.6	+2.7	+3.1	+3.7	+4.1	+5.1	+5.9	+1.3	+2.9	+5.5
울릉군	15.6	16.5	17.2	17.9	18.3	18.9	19.5	20.1	20.9	16.9	18.1	20.5
		+0.9	+1.6	+2.3	+2.7	+3.3	+3.9	+4.5	+5.3	+1.3	+2.5	+4.9
울진군	17.5	18.5	19.2	20.0	20.4	21.1	21.6	22.4	23.1	18.9	20.2	22.7
		+1.0	+1.7	+2.5	+2.9	+3.6	+4.1	+4.9	+5.6	+1.4	+2.7	+5.2
의성군	18.9	20.0	20.6	21.6	22.0	22.6	23.0	24.0	24.8	20.3	21.8	24.4
		+1.1	+1.7	+2.7	+3.1	+3.7	+4.1	+5.1	+5.9	+1.4	+2.9	+5.5
청도군	19.2	20.4	21.0	21.9	22.3	22.9	23.4	24.3	25.0	20.7	22.1	24.7
		+1.2	+1.8	+2.7	+3.1	+3.7	+4.2	+5.1	+5.8	+1.5	+2.9	+5.5
청송군	17.8	18.9	19.5	20.4	20.8	21.5	22.0	22.9	23.6	19.2	20.6	23.2
		+1.1	+1.7	+2.6	+3.0	+3.7	+4.2	+5.1	+5.8	+1.4	+2.8	+5.4
칠곡군	19.4	20.5	21.1	22.1	22.5	23.2	23.6	24.6	25.3	20.8	22.3	25.0
		+1.1	+1.7	+2.7	+3.1	+3.8	+4.2	+5.2	+5.9	+1.4	+2.9	+5.6
포항시	18.6	19.8	20.4	21.3	21.6	22.3	22.8	23.6	24.3	20.1	21.5	24.0
		+1.2	+1.8	+2.7	+3.0	+3.7	+4.2	+5.0	+5.7	+1.5	+2.9	+5.4

표 4-12. 경상북도의 연평균 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	18.4	19.8	20.2	21.0	21.6	22.7	23.4	24.5	25.3	20.0	21.3	24.9
		+1.4	+1.8	+2.6	+3.2	+4.3	+5.0	+6.1	+6.9	+1.6	+2.9	+6.5
경산시	19.9	21.3	21.8	22.6	23.2	24.3	24.9	26.1	26.8	21.5	22.9	26.5
		+1.4	+1.9	+2.7	+3.3	+4.4	+5.0	+6.2	+6.9	+1.6	+3.0	+6.6
경주시	19.0	20.3	20.7	21.6	22.2	23.3	23.9	25.1	25.8	20.5	21.9	25.4
		+1.3	+1.7	+2.6	+3.2	+4.3	+4.9	+6.1	+6.8	+1.5	+2.9	+6.4
고령군	19.5	20.8	21.3	22.1	22.7	23.8	24.5	25.6	26.4	21.0	22.4	26.0
		+1.3	+1.8	+2.6	+3.2	+4.3	+5.0	+6.1	+6.9	+1.5	+2.9	+6.5
구미시	19.1	20.5	21.0	21.8	22.4	23.5	24.2	25.4	26.1	20.7	22.1	25.7
		+1.4	+1.9	+2.7	+3.3	+4.4	+5.1	+6.3	+7.0	+1.6	+3.0	+6.6
군위군	18.5	19.9	20.4	21.2	21.8	22.9	23.6	24.8	25.5	20.2	21.5	25.1
		+1.4	+1.9	+2.7	+3.3	+4.4	+5.1	+6.3	+7.0	+1.7	+3.0	+6.6
김천시	18.7	20.1	20.6	21.4	22.0	23.1	23.8	25.0	25.7	20.3	21.7	25.4
		+1.4	+1.9	+2.7	+3.3	+4.4	+5.1	+6.3	+7.0	+1.6	+3.0	+6.7
문경시	17.9	19.3	19.8	20.7	21.1	22.4	23.0	24.1	24.9	19.5	20.9	24.5
		+1.4	+1.9	+2.8	+3.2	+4.5	+5.1	+6.2	+7.0	+1.6	+3.0	+6.6
봉화군	17.0	18.3	18.8	19.6	20.1	21.3	22.0	23.1	23.9	18.5	19.9	23.5
		+1.3	+1.8	+2.6	+3.1	+4.3	+5.0	+6.1	+6.9	+1.5	+2.9	+6.5
상주시	18.1	19.5	20.0	20.9	21.4	22.6	23.2	24.4	25.2	19.8	21.1	24.8
		+1.4	+1.9	+2.8	+3.3	+4.5	+5.1	+6.3	+7.1	+1.7	+3.0	+6.7
성주군	19.2	20.5	21.0	21.8	22.4	23.5	24.2	25.4	26.1	20.8	22.1	25.7
		+1.3	+1.8	+2.6	+3.2	+4.3	+5.0	+6.2	+6.9	+1.6	+2.9	+6.5
안동시	18.4	19.7	20.2	21.0	21.5	22.8	23.4	24.5	25.3	20.0	21.3	24.9
		+1.3	+1.8	+2.6	+3.1	+4.4	+5.0	+6.1	+6.9	+1.6	+2.9	+6.5
영덕군	18.5	19.8	20.1	20.9	21.5	22.7	23.3	24.3	25.0	20.0	21.2	24.7
		+1.3	+1.6	+2.4	+3.0	+4.2	+4.8	+5.8	+6.5	+1.5	+2.7	+6.2
영양군	16.9	18.2	18.7	19.5	20.0	21.2	21.9	23.0	23.7	18.5	19.8	23.4
		+1.3	+1.8	+2.6	+3.1	+4.3	+5.0	+6.1	+6.8	+1.6	+2.9	+6.5
영주시	18.1	19.5	19.9	20.8	21.3	22.5	23.2	24.3	25.0	19.7	21.0	24.7
		+1.4	+1.8	+2.7	+3.2	+4.4	+5.1	+6.2	+6.9	+1.6	+2.9	+6.6
영천시	19.2	20.5	21.0	21.8	22.4	23.5	24.2	25.3	26.0	20.8	22.1	25.7
		+1.3	+1.8	+2.6	+3.2	+4.3	+5.0	+6.1	+6.8	+1.6	+2.9	+6.5
예천군	18.3	19.6	20.1	21.0	21.5	22.7	23.3	24.5	25.3	19.9	21.2	24.9
		+1.3	+1.8	+2.7	+3.2	+4.4	+5.0	+6.2	+7.0	+1.6	+2.9	+6.6
울릉군	15.6	16.8	17.0	18.0	18.4	19.5	20.1	21.1	21.8	16.9	18.2	21.5
		+1.2	+1.4	+2.4	+2.8	+3.9	+4.5	+5.5	+6.2	+1.3	+2.6	+5.9
울진군	17.5	18.7	19.1	20.0	20.5	21.7	22.4	23.4	24.1	18.9	20.2	23.7
		+1.2	+1.6	+2.5	+3.0	+4.2	+4.9	+5.9	+6.6	+1.4	+2.7	+6.2
의성군	18.9	20.3	20.7	21.6	22.1	23.3	23.9	25.1	25.8	20.5	21.8	25.4
		+1.4	+1.8	+2.7	+3.2	+4.4	+5.0	+6.2	+6.9	+1.6	+2.9	+6.5
청도군	19.2	20.6	21.0	21.8	22.4	23.5	24.2	25.4	26.1	20.8	22.1	25.7
		+1.4	+1.8	+2.6	+3.2	+4.3	+5.0	+6.2	+6.9	+1.6	+2.9	+6.5
청송군	17.8	19.1	19.6	20.4	20.9	22.1	22.8	23.9	24.6	19.3	20.7	24.3
		+1.3	+1.8	+2.6	+3.1	+4.3	+5.0	+6.1	+6.8	+1.5	+2.9	+6.5
칠곡군	19.4	20.8	21.3	22.1	22.7	23.8	24.5	25.7	26.4	21.0	22.4	26.0
		+1.4	+1.9	+2.7	+3.3	+4.4	+5.1	+6.3	+7.0	+1.6	+3.0	+6.6
포항시	18.6	19.9	20.4	21.1	21.7	22.9	23.5	24.6	25.3	20.1	21.4	25.0
		+1.3	+1.8	+2.5	+3.1	+4.3	+4.9	+6.0	+6.7	+1.5	+2.8	+6.4

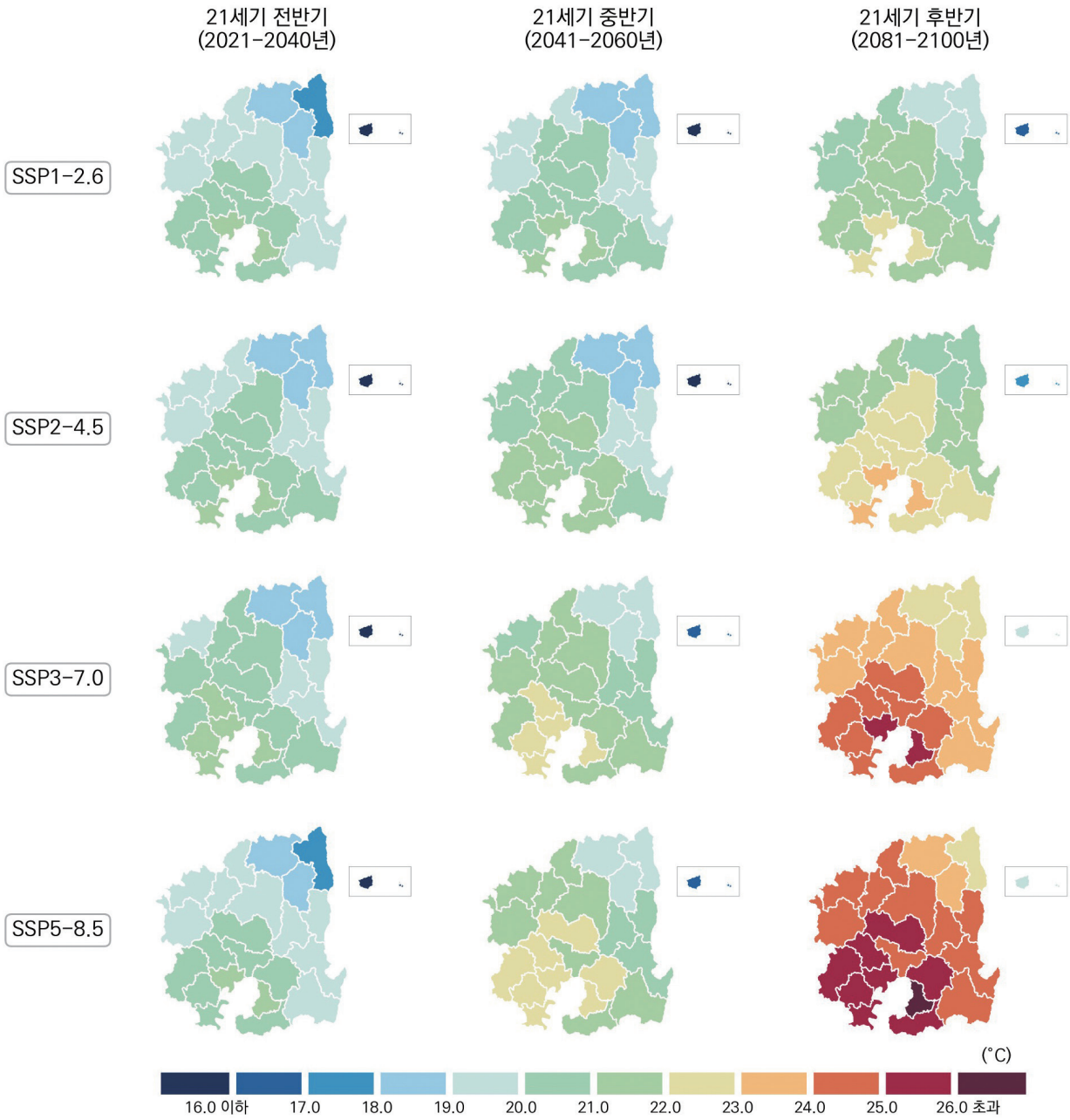


그림 4-7. 경상북도의 봄철 연평균 최고기온(°C) 전망 분포도

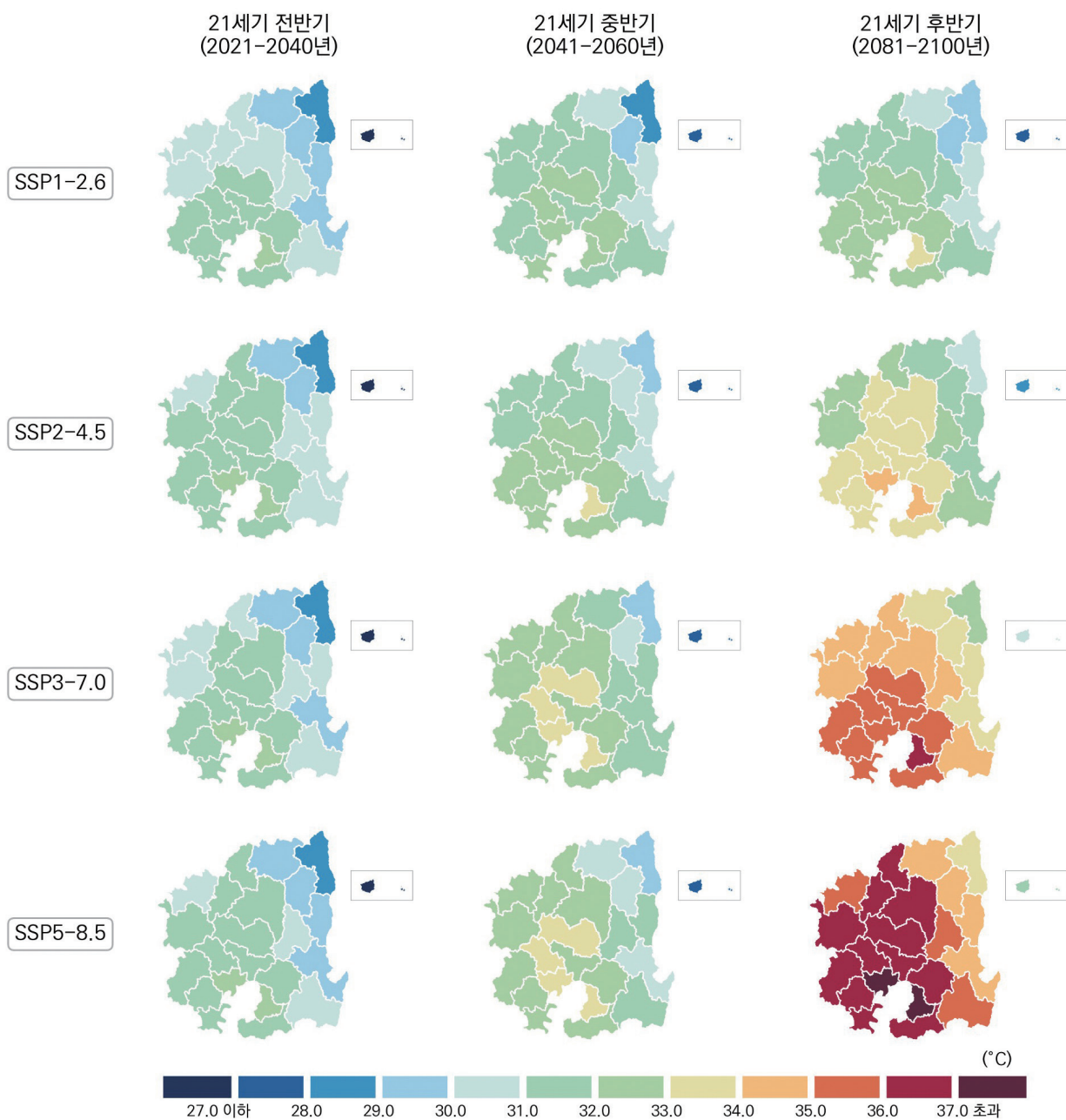


그림 4-8. 경상북도의 여름철 연평균 최고기온(°C) 전망 분포도

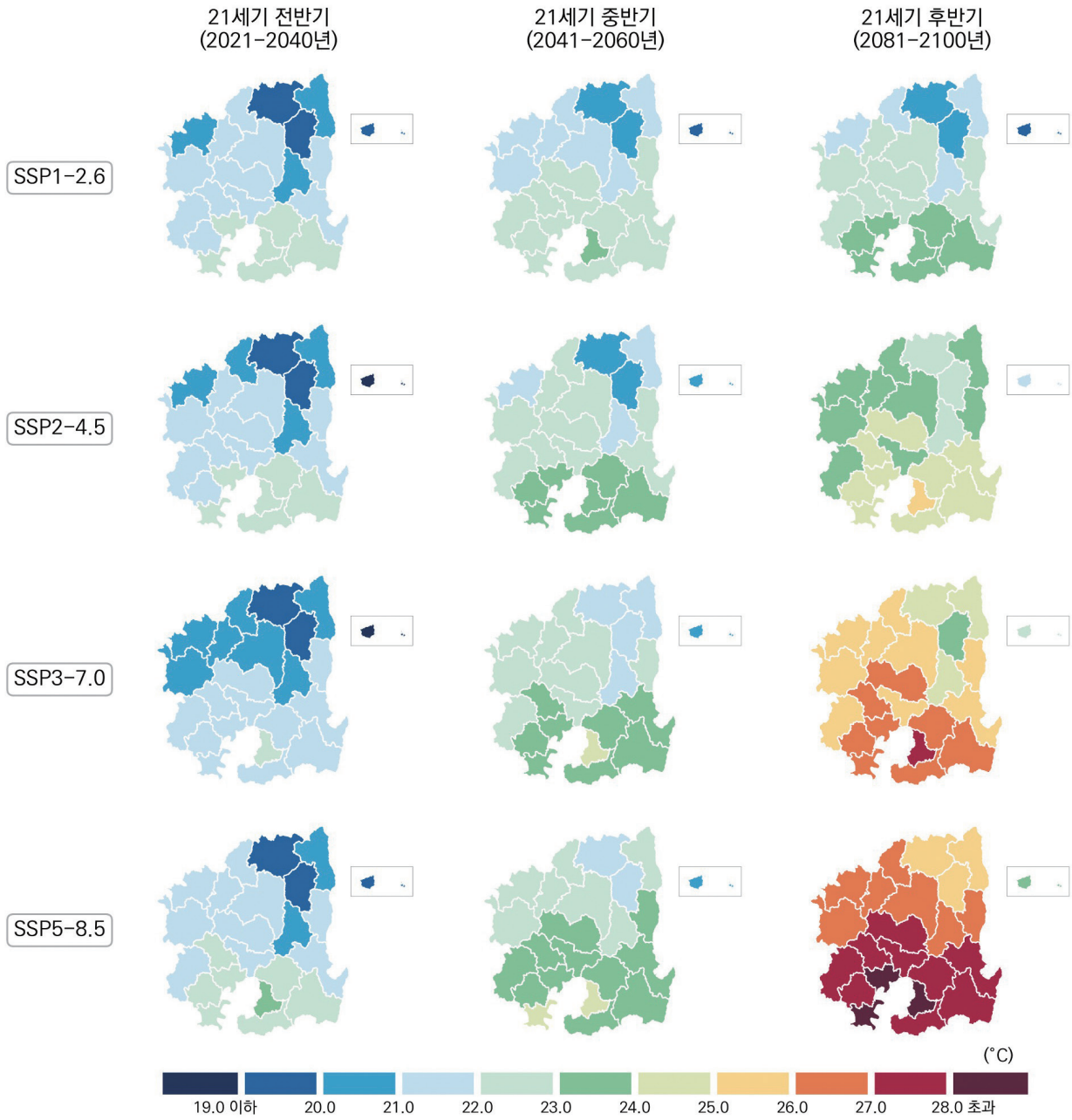


그림 4-9. 경상북도의 가을철 연평균 최고기온(°C) 전망 분포도

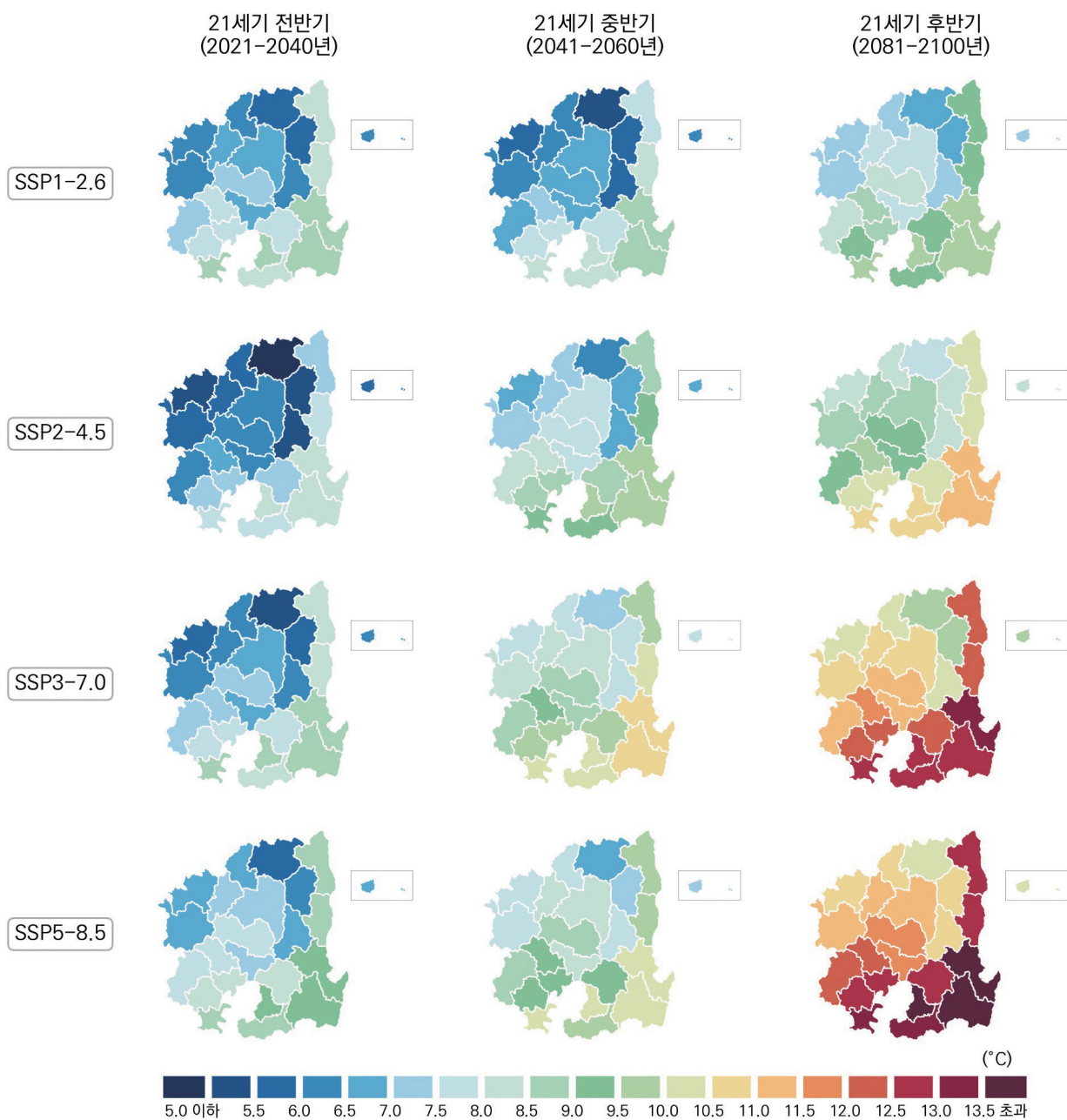


그림 4-10. 경상북도의 겨울철 연평균 최고기온(°C) 전망 분포도

표 4-13. 경상북도의 계절별 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	19.8	30.5	21.4	7.4	20.0	31.2	22.0	7.2	20.9	31.5	22.4	8.5
	+1.1	+1.5	+1.5	+1.4	+1.3	+2.2	+2.1	+1.2	+2.2	+2.5	+2.5	+2.5
경산시	21.4	32.3	22.9	8.7	21.6	33.0	23.5	8.5	22.6	33.3	23.9	9.8
	+1.0	+1.5	+1.6	+1.4	+1.2	+2.2	+2.2	+1.2	+2.2	+2.5	+2.6	+2.5
경주시	20.0	30.4	22.1	8.8	20.3	31.1	22.8	8.7	21.2	31.4	23.1	9.9
	+0.9	+1.5	+1.4	+1.4	+1.2	+2.2	+2.1	+1.3	+2.1	+2.5	+2.4	+2.5
고령군	21.0	31.4	22.3	8.6	21.2	32.1	23.0	8.4	22.1	32.4	23.4	9.7
	+1.0	+1.5	+1.5	+1.4	+1.2	+2.2	+2.2	+1.2	+2.1	+2.5	+2.6	+2.5
구미시	20.9	31.6	21.9	7.6	21.0	32.3	22.6	7.4	22.0	32.6	23.0	8.7
	+1.1	+1.6	+1.5	+1.5	+1.2	+2.3	+2.2	+1.3	+2.2	+2.6	+2.6	+2.6
군위군	20.2	31.2	21.4	6.9	20.3	31.9	22.1	6.7	21.3	32.2	22.5	8.0
	+1.1	+1.5	+1.5	+1.4	+1.2	+2.2	+2.2	+1.2	+2.2	+2.5	+2.6	+2.5
김천시	20.5	31.2	21.6	7.1	20.7	31.9	22.2	6.9	21.7	32.2	22.6	8.2
	+1.1	+1.5	+1.6	+1.4	+1.3	+2.2	+2.2	+1.2	+2.3	+2.5	+2.6	+2.5
문경시	19.6	30.6	20.9	6.1	19.7	31.3	21.5	5.9	20.7	31.6	21.9	7.1
	+1.1	+1.5	+1.5	+1.5	+1.2	+2.2	+2.1	+1.3	+2.2	+2.5	+2.5	+2.5
봉화군	18.4	29.5	20.0	5.6	18.6	30.2	20.5	5.4	19.5	30.3	20.8	6.6
	+1.0	+1.5	+1.6	+1.6	+1.2	+2.2	+2.1	+1.4	+2.1	+2.3	+2.4	+2.6
상주시	19.9	30.8	21.1	6.4	20.0	31.5	21.7	6.1	21.0	31.8	22.2	7.4
	+1.1	+1.5	+1.5	+1.6	+1.2	+2.2	+2.1	+1.3	+2.2	+2.5	+2.6	+2.6
성주군	20.8	31.4	22.0	8.0	21.0	32.0	22.7	7.8	22.0	32.4	23.1	9.1
	+1.0	+1.6	+1.5	+1.4	+1.2	+2.2	+2.2	+1.2	+2.2	+2.6	+2.6	+2.5
안동시	20.0	31.0	21.3	6.8	20.2	31.7	21.8	6.6	21.2	31.9	22.2	7.8
	+1.0	+1.6	+1.6	+1.5	+1.2	+2.3	+2.1	+1.3	+2.2	+2.5	+2.5	+2.5
영덕군	19.3	29.8	21.6	8.4	19.5	30.4	22.2	8.2	20.4	30.6	22.6	9.4
	+1.0	+1.5	+1.4	+1.4	+1.2	+2.1	+2.0	+1.2	+2.1	+2.3	+2.4	+2.4
영양군	18.3	29.1	19.8	5.9	18.5	29.8	20.4	5.7	19.4	30.0	20.7	6.9
	+1.0	+1.5	+1.5	+1.5	+1.2	+2.2	+2.1	+1.3	+2.1	+2.4	+2.4	+2.5
영주시	19.8	30.8	21.1	6.4	19.9	31.5	21.6	6.1	20.9	31.7	22.0	7.4
	+1.1	+1.5	+1.6	+1.6	+1.2	+2.2	+2.1	+1.3	+2.2	+2.4	+2.5	+2.6
영천시	20.6	31.4	22.2	8.0	20.8	32.1	22.8	7.8	21.8	32.4	23.2	9.1
	+1.0	+1.5	+1.5	+1.4	+1.2	+2.2	+2.1	+1.2	+2.2	+2.5	+2.5	+2.5
예천군	20.0	30.9	21.2	6.6	20.1	31.6	21.8	6.3	21.1	31.9	22.2	7.6
	+1.1	+1.5	+1.5	+1.5	+1.2	+2.2	+2.1	+1.2	+2.2	+2.5	+2.5	+2.5
울릉군	15.3	26.3	19.1	6.1	15.6	27.1	19.8	6.2	16.4	27.3	19.9	7.2
	+0.8	+1.4	+1.3	+1.1	+1.1	+2.2	+2.0	+1.2	+1.9	+2.4	+2.1	+2.2
울진군	18.0	28.2	20.8	8.1	18.2	28.9	21.4	8.0	19.1	29.1	21.7	9.1
	+1.0	+1.4	+1.4	+1.4	+1.2	+2.1	+2.0	+1.3	+2.1	+2.3	+2.3	+2.4
의성군	20.5	31.6	21.7	7.2	20.7	32.3	22.4	6.9	21.7	32.6	22.8	8.2
	+1.0	+1.5	+1.5	+1.5	+1.2	+2.2	+2.2	+1.2	+2.2	+2.5	+2.6	+2.5
청도군	20.5	31.2	22.2	8.4	20.8	31.9	22.9	8.3	21.7	32.2	23.3	9.5
	+0.9	+1.5	+1.5	+1.4	+1.2	+2.2	+2.2	+1.3	+2.1	+2.5	+2.6	+2.5
청송군	19.3	30.4	20.7	6.1	19.5	31.1	21.3	6.0	20.5	31.4	21.6	7.2
	+1.0	+1.5	+1.6	+1.4	+1.2	+2.2	+2.2	+1.3	+2.2	+2.5	+2.5	+2.5
칠곡군	21.1	31.9	22.3	7.9	21.3	32.6	22.9	7.7	22.3	32.9	23.4	9.0
	+1.0	+1.5	+1.5	+1.5	+1.2	+2.2	+2.1	+1.3	+2.2	+2.5	+2.6	+2.6
포항시	19.4	29.6	21.9	9.0	19.7	30.3	22.5	8.8	20.6	30.5	22.8	10.0
	+1.0	+1.5	+1.5	+1.4	+1.3	+2.2	+2.1	+1.2	+2.2	+2.4	+2.4	+2.4

표 4-14. 경상북도의 계절별 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	19.9	31.0	21.3	6.7	20.3	31.6	22.5	8.3	21.9	32.7	23.8	9.6
	+1.2	+2.0	+1.4	+0.7	+1.6	+2.6	+2.6	+2.3	+3.2	+3.7	+3.9	+3.6
경산시	21.5	32.7	22.8	8.1	22.0	33.4	24.0	9.7	23.5	34.5	25.3	11.0
	+1.1	+1.9	+1.5	+0.8	+1.6	+2.6	+2.7	+2.4	+3.1	+3.7	+4.0	+3.7
경주시	20.2	30.9	22.1	8.2	20.6	31.6	23.2	9.8	22.1	32.7	24.5	11.1
	+1.1	+2.0	+1.4	+0.8	+1.5	+2.7	+2.5	+2.4	+3.0	+3.8	+3.8	+3.7
고령군	21.1	31.8	22.3	8.0	21.6	32.5	23.4	9.5	23.1	33.6	24.8	10.9
	+1.1	+1.9	+1.5	+0.8	+1.6	+2.6	+2.6	+2.3	+3.1	+3.7	+4.0	+3.7
구미시	21.0	32.0	21.9	6.9	21.4	32.7	23.0	8.5	23.0	33.8	24.4	9.9
	+1.2	+2.0	+1.5	+0.8	+1.6	+2.7	+2.6	+2.4	+3.2	+3.8	+4.0	+3.8
군위군	20.3	31.7	21.4	6.3	20.7	32.3	22.5	7.8	22.3	33.4	23.9	9.2
	+1.2	+2.0	+1.5	+0.8	+1.6	+2.6	+2.6	+2.3	+3.2	+3.7	+4.0	+3.7
김천시	20.7	31.6	21.5	6.5	21.1	32.3	22.7	8.1	22.6	33.4	24.0	9.4
	+1.3	+1.9	+1.5	+0.8	+1.7	+2.6	+2.7	+2.4	+3.2	+3.7	+4.0	+3.7
문경시	19.7	31.0	20.8	5.4	20.1	31.6	22.0	6.9	21.7	32.8	23.3	8.3
	+1.2	+1.9	+1.4	+0.8	+1.6	+2.5	+2.6	+2.3	+3.2	+3.7	+3.9	+3.7
봉화군	18.5	29.9	19.8	4.8	19.0	30.5	21.0	6.4	20.6	31.6	22.3	7.7
	+1.1	+1.9	+1.4	+0.8	+1.6	+2.5	+2.6	+2.4	+3.2	+3.6	+3.9	+3.7
상주시	20.0	31.2	21.1	5.7	20.4	31.8	22.2	7.2	21.9	33.0	23.5	8.6
	+1.2	+1.9	+1.5	+0.9	+1.6	+2.5	+2.6	+2.4	+3.1	+3.7	+3.9	+3.8
성주군	21.0	31.8	22.0	7.4	21.4	32.5	23.1	8.9	22.9	33.5	24.4	10.3
	+1.2	+2.0	+1.5	+0.8	+1.6	+2.7	+2.6	+2.3	+3.1	+3.7	+3.9	+3.7
안동시	20.1	31.4	21.2	6.1	20.5	32.0	22.3	7.6	22.1	33.1	23.6	8.9
	+1.1	+2.0	+1.5	+0.8	+1.5	+2.6	+2.6	+2.3	+3.1	+3.7	+3.9	+3.6
영덕군	19.4	30.3	21.5	7.7	19.8	30.8	22.6	9.2	21.4	32.0	23.9	10.5
	+1.1	+2.0	+1.3	+0.7	+1.5	+2.5	+2.4	+2.2	+3.1	+3.7	+3.7	+3.5
영양군	18.4	29.6	19.7	5.2	18.8	30.2	20.8	6.7	20.4	31.3	22.1	8.1
	+1.1	+2.0	+1.4	+0.8	+1.5	+2.6	+2.5	+2.3	+3.1	+3.7	+3.8	+3.7
영주시	19.9	31.2	21.0	5.6	20.3	31.8	22.1	7.1	21.9	32.9	23.4	8.5
	+1.2	+1.9	+1.5	+0.8	+1.6	+2.5	+2.6	+2.3	+3.2	+3.6	+3.9	+3.7
영천시	20.7	31.9	22.1	7.4	21.2	32.5	23.3	8.9	22.7	33.6	24.6	10.3
	+1.1	+2.0	+1.4	+0.8	+1.6	+2.6	+2.6	+2.3	+3.1	+3.7	+3.9	+3.7
예천군	20.0	31.3	21.1	5.9	20.5	31.9	22.3	7.4	22.0	33.1	23.6	8.8
	+1.1	+1.9	+1.4	+0.8	+1.6	+2.5	+2.6	+2.3	+3.1	+3.7	+3.9	+3.7
울릉군	15.3	26.6	19.0	5.7	16.0	27.3	20.1	7.0	17.5	28.8	21.3	8.2
	+0.8	+1.7	+1.2	+0.7	+1.5	+2.4	+2.3	+2.0	+3.0	+3.9	+3.5	+3.2
울진군	18.1	28.7	20.7	7.5	18.6	29.3	21.8	8.9	20.2	30.5	23.1	10.3
	+1.1	+1.9	+1.3	+0.8	+1.6	+2.5	+2.4	+2.2	+3.2	+3.7	+3.7	+3.6
의성군	20.6	32.0	21.7	6.5	21.1	32.6	22.8	8.0	22.6	33.7	24.1	9.4
	+1.1	+1.9	+1.5	+0.8	+1.6	+2.5	+2.6	+2.3	+3.1	+3.6	+3.9	+3.7
청도군	20.7	31.6	22.2	7.8	21.1	32.3	23.3	9.4	22.6	33.4	24.6	10.7
	+1.1	+1.9	+1.5	+0.8	+1.5	+2.6	+2.6	+2.4	+3.0	+3.7	+3.9	+3.7
청송군	19.4	30.9	20.6	5.5	19.8	31.5	21.7	7.0	21.4	32.6	23.0	8.4
	+1.1	+2.0	+1.5	+0.8	+1.5	+2.6	+2.6	+2.3	+3.1	+3.7	+3.9	+3.7
칠곡군	21.2	32.4	22.2	7.3	21.6	33.0	23.4	8.9	23.2	34.1	24.7	10.2
	+1.1	+2.0	+1.4	+0.9	+1.5	+2.6	+2.6	+2.5	+3.1	+3.7	+3.9	+3.8
포항시	19.5	30.1	21.8	8.4	20.0	30.7	22.9	9.9	21.5	31.8	24.2	11.2
	+1.1	+2.0	+1.4	+0.8	+1.6	+2.6	+2.5	+2.3	+3.1	+3.7	+3.8	+3.6

표 4-15. 경상북도의 계절별 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	20.1	30.8	21.0	7.4	21.1	32.1	22.7	9.2	23.8	34.5	25.7	11.5
	+1.4	+1.8	+1.1	+1.4	+2.4	+3.1	+2.8	+3.2	+5.1	+5.5	+5.8	+5.5
경산시	21.8	32.6	22.5	8.7	22.8	33.8	24.2	10.5	25.4	36.3	27.2	12.9
	+1.4	+1.8	+1.2	+1.4	+2.4	+3.0	+2.9	+3.2	+5.0	+5.5	+5.9	+5.6
경주시	20.4	30.8	21.9	8.8	21.4	32.0	23.4	10.6	24.0	34.3	26.3	13.0
	+1.3	+1.9	+1.2	+1.4	+2.3	+3.1	+2.7	+3.2	+4.9	+5.4	+5.6	+5.6
고령군	21.3	31.7	22.0	8.6	22.4	32.9	23.6	10.4	25.0	35.4	26.7	12.8
	+1.3	+1.8	+1.2	+1.4	+2.4	+3.0	+2.8	+3.2	+5.0	+5.5	+5.9	+5.6
구미시	21.2	31.9	21.5	7.5	22.2	33.2	23.3	9.4	24.9	35.7	26.3	11.8
	+1.4	+1.9	+1.1	+1.4	+2.4	+3.2	+2.9	+3.3	+5.1	+5.7	+5.9	+5.7
군위군	20.5	31.5	21.1	6.9	21.5	32.8	22.8	8.7	24.2	35.2	25.8	11.1
	+1.4	+1.8	+1.2	+1.4	+2.4	+3.1	+2.9	+3.2	+5.1	+5.5	+5.9	+5.6
김천시	20.8	31.5	21.2	7.1	21.9	32.8	22.9	8.9	24.5	35.3	26.0	11.4
	+1.4	+1.8	+1.2	+1.4	+2.5	+3.1	+2.9	+3.2	+5.1	+5.6	+6.0	+5.7
문경시	19.9	30.8	20.4	6.0	20.9	32.2	22.2	7.9	23.6	34.7	25.4	10.3
	+1.4	+1.7	+1.0	+1.4	+2.4	+3.1	+2.8	+3.3	+5.1	+5.6	+6.0	+5.7
봉화군	18.8	29.8	19.5	5.5	19.8	31.1	21.2	7.3	22.5	33.5	24.2	9.7
	+1.4	+1.8	+1.1	+1.5	+2.4	+3.1	+2.8	+3.3	+5.1	+5.5	+5.8	+5.7
상주시	20.2	31.0	20.7	6.3	21.2	32.4	22.4	8.1	23.9	34.9	25.6	10.6
	+1.4	+1.7	+1.1	+1.5	+2.4	+3.1	+2.8	+3.3	+5.1	+5.6	+6.0	+5.8
성주군	21.2	31.6	21.7	8.0	22.2	32.9	23.3	9.8	24.8	35.4	26.4	12.3
	+1.4	+1.8	+1.2	+1.4	+2.4	+3.1	+2.8	+3.2	+5.0	+5.6	+5.9	+5.7
안동시	20.4	31.2	20.8	6.7	21.4	32.6	22.5	8.5	24.0	35.0	25.5	10.9
	+1.4	+1.8	+1.1	+1.4	+2.4	+3.2	+2.8	+3.2	+5.0	+5.6	+5.8	+5.6
영덕군	19.7	30.2	21.3	8.4	20.7	31.3	22.9	10.1	23.3	33.6	25.6	12.4
	+1.4	+1.9	+1.1	+1.4	+2.4	+3.0	+2.7	+3.1	+5.0	+5.3	+5.4	+5.4
영양군	18.7	29.4	19.4	5.8	19.7	30.7	21.1	7.6	22.4	33.1	24.0	10.0
	+1.4	+1.8	+1.1	+1.4	+2.4	+3.1	+2.8	+3.2	+5.1	+5.5	+5.7	+5.6
영주시	20.1	31.0	20.6	6.3	21.1	32.4	22.3	8.0	23.8	34.8	25.4	10.4
	+1.4	+1.7	+1.1	+1.5	+2.4	+3.1	+2.8	+3.2	+5.1	+5.5	+5.9	+5.6
영천시	21.0	31.8	21.8	8.0	22.0	33.0	23.5	9.8	24.6	35.4	26.4	12.2
	+1.4	+1.9	+1.1	+1.4	+2.4	+3.1	+2.8	+3.2	+5.0	+5.5	+5.7	+5.6
예천군	20.3	31.1	20.7	6.5	21.3	32.6	22.5	8.3	24.0	35.0	25.6	10.7
	+1.4	+1.7	+1.0	+1.4	+2.4	+3.2	+2.8	+3.2	+5.1	+5.6	+5.9	+5.6
울릉군	15.8	26.7	18.9	6.3	16.6	27.8	20.3	7.7	19.2	30.2	22.8	9.9
	+1.3	+1.8	+1.1	+1.3	+2.1	+2.9	+2.5	+2.7	+4.7	+5.3	+5.0	+4.9
울진군	18.4	28.6	20.4	8.1	19.4	29.7	22.0	9.8	22.1	32.1	24.7	12.1
	+1.4	+1.8	+1.0	+1.4	+2.4	+2.9	+2.6	+3.1	+5.1	+5.3	+5.3	+5.4
의성군	20.9	31.9	21.3	7.1	21.9	33.2	23.0	8.9	24.6	35.6	26.1	11.3
	+1.4	+1.8	+1.1	+1.4	+2.4	+3.1	+2.8	+3.2	+5.1	+5.5	+5.9	+5.6
청도군	20.9	31.5	21.9	8.5	21.9	32.7	23.5	10.3	24.5	35.2	26.5	12.6
	+1.3	+1.8	+1.2	+1.5	+2.3	+3.0	+2.8	+3.3	+4.9	+5.5	+5.8	+5.6
청송군	19.7	30.8	20.3	6.1	20.7	32.0	21.9	7.9	23.4	34.4	24.9	10.3
	+1.4	+1.9	+1.2	+1.4	+2.4	+3.1	+2.8	+3.2	+5.1	+5.5	+5.8	+5.6
칠곡군	21.4	32.2	21.9	7.9	22.5	33.5	23.6	9.7	25.1	36.0	26.7	12.2
	+1.3	+1.8	+1.1	+1.5	+2.4	+3.1	+2.8	+3.3	+5.0	+5.6	+5.9	+5.8
포항시	19.8	30.0	21.6	9.0	20.8	31.1	23.2	10.7	23.4	33.5	26.0	13.1
	+1.4	+1.9	+1.2	+1.4	+2.4	+3.0	+2.8	+3.1	+5.0	+5.4	+5.6	+5.5

표 4-16. 경상북도의 계절별 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	19.8	30.8	21.6	7.9	21.3	32.1	23.1	8.9	24.6	35.8	27.0	12.2
	+1.1	+1.8	+1.7	+1.9	+2.6	+3.1	+3.2	+2.9	+5.9	+6.8	+7.1	+6.2
경산시	21.4	32.5	23.1	9.2	22.9	33.9	24.5	10.2	26.2	37.6	28.5	13.6
	+1.0	+1.7	+1.8	+1.9	+2.5	+3.1	+3.2	+2.9	+5.8	+6.8	+7.2	+6.3
경주시	20.0	30.6	22.3	9.3	21.5	32.0	23.8	10.3	24.8	35.6	27.6	13.6
	+0.9	+1.7	+1.6	+1.9	+2.4	+3.1	+3.1	+2.9	+5.7	+6.7	+6.9	+6.2
고령군	21.0	31.7	22.6	9.0	22.5	33.0	24.1	10.1	25.8	36.7	28.1	13.5
	+1.0	+1.8	+1.8	+1.8	+2.5	+3.1	+3.3	+2.9	+5.8	+6.8	+7.3	+6.3
구미시	20.8	31.9	22.1	8.0	22.4	33.2	23.7	9.1	25.7	36.9	27.7	12.5
	+1.0	+1.9	+1.7	+1.9	+2.6	+3.2	+3.3	+3.0	+5.9	+6.9	+7.3	+6.4
군위군	20.2	31.5	21.6	7.4	21.7	32.8	23.2	8.4	25.0	36.5	27.2	11.8
	+1.1	+1.8	+1.7	+1.9	+2.6	+3.1	+3.3	+2.9	+5.9	+6.8	+7.3	+6.3
김천시	20.5	31.5	21.8	7.6	22.1	32.9	23.4	8.7	25.4	36.6	27.4	12.1
	+1.1	+1.8	+1.8	+1.9	+2.7	+3.2	+3.4	+3.0	+6.0	+6.9	+7.4	+6.4
문경시	19.6	30.9	21.1	6.6	21.1	32.2	22.7	7.6	24.5	36.0	26.8	10.9
	+1.1	+1.8	+1.7	+2.0	+2.6	+3.1	+3.3	+3.0	+6.0	+6.9	+7.4	+6.3
봉화군	18.4	29.7	20.0	6.0	19.9	31.0	21.6	7.0	23.4	34.7	25.6	10.3
	+1.0	+1.7	+1.6	+2.0	+2.5	+3.0	+3.2	+3.0	+6.0	+6.7	+7.2	+6.3
상주시	19.8	31.1	21.3	6.8	21.4	32.4	22.9	7.8	24.7	36.2	27.0	11.2
	+1.0	+1.8	+1.7	+2.0	+2.6	+3.1	+3.3	+3.0	+5.9	+6.9	+7.4	+6.4
성주군	20.8	31.7	22.2	8.4	22.4	33.0	23.7	9.5	25.6	36.7	27.8	12.9
	+1.0	+1.9	+1.7	+1.8	+2.6	+3.2	+3.2	+2.9	+5.8	+6.9	+7.3	+6.3
안동시	20.0	31.2	21.4	7.3	21.5	32.5	22.9	8.2	24.9	36.2	27.0	11.5
	+1.0	+1.8	+1.7	+2.0	+2.5	+3.1	+3.2	+2.9	+5.9	+6.8	+7.3	+6.2
영덕군	19.3	29.9	21.8	8.9	20.8	31.2	23.2	9.8	24.1	34.8	26.9	13.0
	+1.0	+1.6	+1.6	+1.9	+2.5	+2.9	+3.0	+2.8	+5.8	+6.5	+6.7	+6.0
영양군	18.3	29.4	19.9	6.3	19.8	30.6	21.4	7.3	23.2	34.3	25.4	10.6
	+1.0	+1.8	+1.6	+1.9	+2.5	+3.0	+3.1	+2.9	+5.9	+6.7	+7.1	+6.2
영주시	19.8	31.1	21.1	6.8	21.3	32.3	22.8	7.8	24.7	36.1	26.8	11.0
	+1.1	+1.8	+1.6	+2.0	+2.6	+3.0	+3.3	+3.0	+6.0	+6.8	+7.3	+6.2
영천시	20.6	31.7	22.3	8.5	22.1	33.0	23.8	9.5	25.4	36.7	27.8	12.8
	+1.0	+1.8	+1.6	+1.9	+2.5	+3.1	+3.1	+2.9	+5.8	+6.8	+7.1	+6.2
예천군	19.9	31.2	21.4	7.1	21.5	32.5	23.0	8.1	24.8	36.3	27.0	11.3
	+1.0	+1.8	+1.7	+2.0	+2.6	+3.1	+3.3	+3.0	+5.9	+6.9	+7.3	+6.2
울릉군	15.5	26.3	19.2	6.6	16.8	27.9	20.5	7.5	19.9	31.4	24.0	10.5
	+1.0	+1.4	+1.4	+1.6	+2.3	+3.0	+2.7	+2.5	+5.4	+6.5	+6.2	+5.5
울진군	18.0	28.4	20.9	8.6	19.5	29.7	22.3	9.6	22.9	33.2	26.0	12.7
	+1.0	+1.6	+1.5	+1.9	+2.5	+2.9	+2.9	+2.9	+5.9	+6.4	+6.6	+6.0
의성군	20.5	31.9	21.9	7.6	22.1	33.2	23.5	8.6	25.4	36.9	27.5	11.9
	+1.0	+1.8	+1.7	+1.9	+2.6	+3.1	+3.3	+2.9	+5.9	+6.8	+7.3	+6.2
청도군	20.5	31.4	22.4	8.9	22.0	32.8	23.9	10.0	25.3	36.5	27.9	13.3
	+0.9	+1.7	+1.7	+1.9	+2.4	+3.1	+3.2	+3.0	+5.7	+6.8	+7.2	+6.3
청송군	19.3	30.7	20.8	6.6	20.9	32.0	22.3	7.6	24.2	35.7	26.3	10.9
	+1.0	+1.8	+1.7	+1.9	+2.6	+3.1	+3.2	+2.9	+5.9	+6.8	+7.2	+6.2
칠곡군	21.1	32.2	22.5	8.4	22.6	33.5	24.0	9.4	25.9	37.3	28.1	12.9
	+1.0	+1.8	+1.7	+2.0	+2.5	+3.1	+3.2	+3.0	+5.8	+6.9	+7.3	+6.5
포항시	19.4	29.8	22.0	9.5	20.9	31.0	23.4	10.5	24.2	34.7	27.3	13.7
	+1.0	+1.7	+1.6	+1.9	+2.5	+2.9	+3.0	+2.9	+5.8	+6.6	+6.9	+6.1

3) 연평균 최저기온

- SSP 시나리오에 따른 경상북도 연평균 최저기온은 현재(2000-2019년, 7.2°C) 대비 21세기 중반기에 1.6~2.8°C, 21세기 후반기에 2.2~6.3°C 상승할 것으로 전망됨.
 - SSP1-2.6 시나리오에서 경상북도 연평균 최저기온은 현재 대비 21세기 중반기에 1.6°C, 후반기에 2.2°C 상승할 것으로 전망됨.
 - SSP2-4.5 시나리오에서 경상북도 연평균 최저기온은 현재 대비 21세기 중반기에 2.2°C, 후반기에 3.5°C 상승할 것으로 전망됨.
 - SSP3-7.0 시나리오에서 경상북도 연평균 최저기온은 현재 대비 21세기 중반기에 2.7°C, 후반기에 5.4°C 상승할 것으로 전망됨.
 - SSP5-8.5 시나리오에서 경상북도 연평균 최저기온은 현재 대비 21세기 중반기에 2.8°C, 후반기에 6.3°C 상승할 것으로 전망됨.
- SSP5-8.5 시나리오에서 현재 대비 21세기 후반기 경상북도 연평균 최저기온 상승폭(+6.3°C)은 SSP1-2.6 시나리오에서의 상승폭(+2.2°C)보다 4.1°C 크게 나타남.
- 현재(2000-2019년) 경상북도 연평균 최저기온(7.2°C)은 우리나라 평균(7.8°C)보다 0.6°C 낮으며 SSP5-8.5에서 21세기 후반기 경상북도 연평균 최저기온 상승폭(+6.3°C)은 우리나라 평균 상승폭(+6.4°C)보다 낮게 나타남.

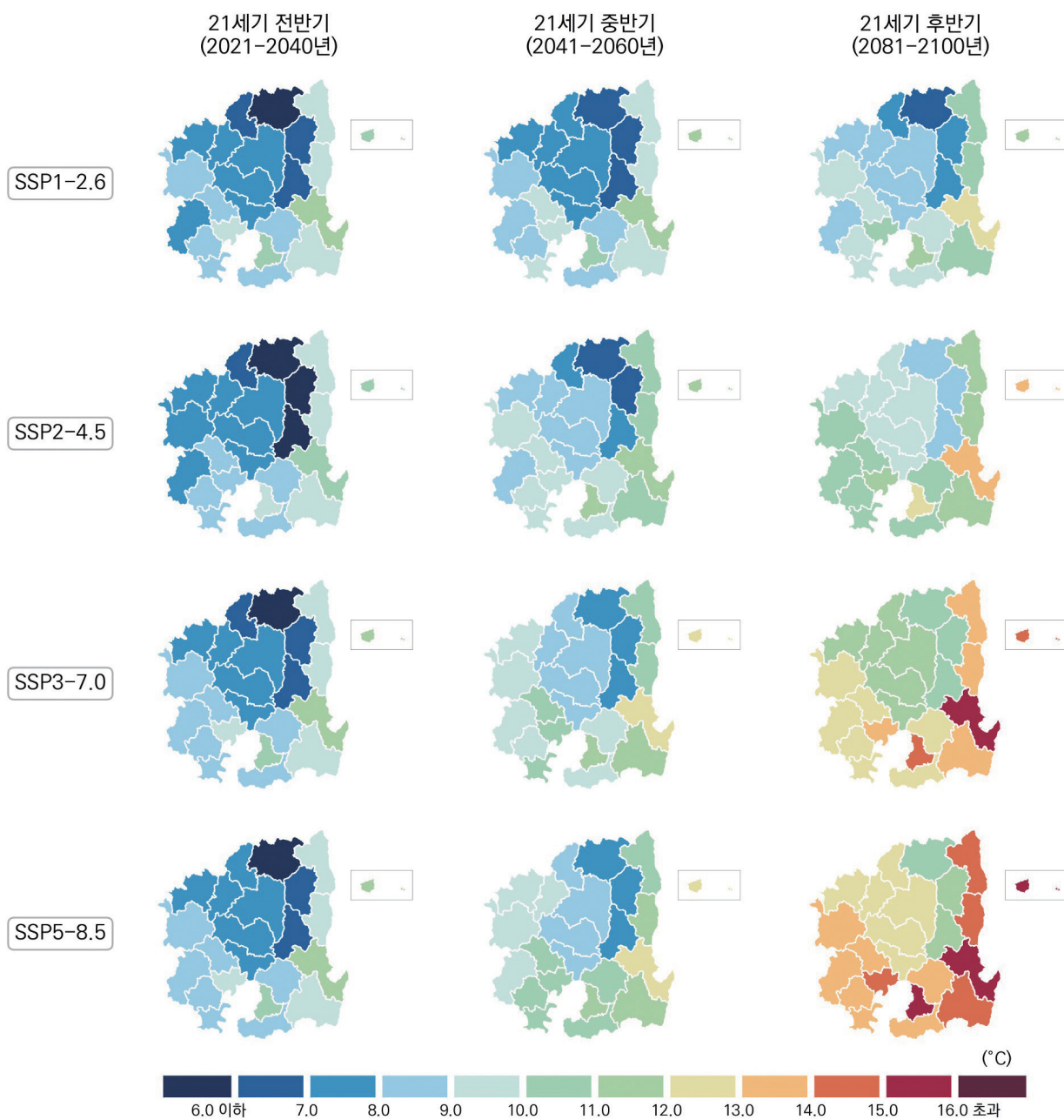


그림 4-11. 경상북도의 연평균 최저기온(°C) 전망 분포도

표 4-17. 경상북도의 연평균 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	7.2	8.3	8.7	8.8	8.8	9.2	9.2	9.4	9.5	8.5	8.8	9.4
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.0	+2.2	+2.3	+1.3	+1.6	+2.2
경산시	8.9	10.0	10.4	10.5	10.5	10.9	10.9	11.1	11.2	10.2	10.5	11.1
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.0	+2.2	+2.3	+1.3	+1.6	+2.2
경주시	8.4	9.5	9.9	10.0	10.1	10.4	10.5	10.6	10.8	9.7	10.0	10.7
		+1.1	+1.5	+1.6	+1.7	+2.0	+2.1	+2.2	+2.4	+1.3	+1.6	+2.3
고령군	7.5	8.6	9.0	9.1	9.1	9.5	9.6	9.7	9.8	8.8	9.1	9.8
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.1	+2.2	+2.3	+1.3	+1.6	+2.3
구미시	7.4	8.5	8.9	9.0	9.1	9.5	9.5	9.6	9.8	8.7	9.1	9.7
		+1.1	+1.5	+1.6	+1.7	+2.1	+2.1	+2.2	+2.4	+1.3	+1.7	+2.3
군위군	6.0	7.1	7.5	7.6	7.6	8.0	8.0	8.2	8.4	7.3	7.6	8.3
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.0	+2.2	+2.4	+1.3	+1.6	+2.3
김천시	6.7	7.8	8.2	8.3	8.4	8.8	8.8	8.9	9.1	8.0	8.4	9.0
		+1.1	+1.5	+1.6	+1.7	+2.1	+2.1	+2.2	+2.4	+1.3	+1.7	+2.3
문경시	6.4	7.5	7.9	8.0	8.0	8.4	8.4	8.5	8.7	7.7	8.0	8.6
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.0	+2.1	+2.3	+1.3	+1.6	+2.2
봉화군	4.5	5.6	6.0	6.2	6.2	6.5	6.6	6.7	6.9	5.8	6.2	6.8
		+1.1	+1.5	+1.7	+1.7	+2.0	+2.1	+2.2	+2.4	+1.3	+1.7	+2.3
상주시	6.8	8.0	8.3	8.5	8.5	8.9	8.9	9.0	9.2	8.1	8.5	9.1
		+1.2	+1.5	+1.7	+1.7	+2.1	+2.1	+2.2	+2.4	+1.3	+1.7	+2.3
성주군	7.2	8.3	8.7	8.8	8.8	9.2	9.3	9.4	9.5	8.5	8.8	9.5
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.1	+2.2	+2.3	+1.3	+1.6	+2.3
안동시	6.1	7.2	7.6	7.7	7.8	8.1	8.2	8.3	8.5	7.4	7.7	8.4
		+1.1	+1.5	+1.6	+1.7	+2.0	+2.1	+2.2	+2.4	+1.3	+1.6	+2.3
영덕군	8.3	9.3	9.7	9.9	9.8	10.2	10.4	10.5	10.7	9.5	9.9	10.6
		+1.0	+1.4	+1.6	+1.5	+1.9	+2.1	+2.2	+2.4	+1.2	+1.6	+2.3
영양군	4.8	5.9	6.3	6.4	6.4	6.8	6.9	7.0	7.2	6.1	6.4	7.1
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.1	+2.2	+2.4	+1.3	+1.6	+2.3
영주시	5.6	6.7	7.2	7.3	7.3	7.6	7.7	7.8	8.0	6.9	7.3	7.9
		+1.1	+1.6	+1.7	+1.7	+2.0	+2.1	+2.2	+2.4	+1.3	+1.7	+2.3
영천시	7.3	8.4	8.8	8.9	8.9	9.3	9.4	9.5	9.7	8.6	8.9	9.6
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.1	+2.2	+2.4	+1.3	+1.6	+2.3
예천군	6.3	7.4	7.8	7.9	7.9	8.3	8.3	8.5	8.6	7.6	7.9	8.5
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.0	+2.2	+2.3	+1.3	+1.6	+2.2
울릉군	9.8	10.7	11.3	11.5	11.4	11.7	12.0	12.0	12.0	11.0	11.5	12.0
		+0.9	+1.5	+1.7	+1.6	+1.9	+2.2	+2.2	+2.2	+1.2	+1.7	+2.2
울진군	8.2	9.3	9.7	9.8	9.8	10.2	10.3	10.4	10.5	9.5	9.8	10.5
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.1	+2.2	+2.3	+1.3	+1.6	+2.3
의성군	6.1	7.2	7.6	7.7	7.7	8.1	8.1	8.3	8.4	7.4	7.7	8.4
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.0	+2.2	+2.3	+1.3	+1.6	+2.3
청도군	7.3	8.4	8.8	8.9	9.0	9.3	9.4	9.5	9.7	8.6	8.9	9.6
		+1.1	+1.5	+1.6	+1.7	+2.0	+2.1	+2.2	+2.4	+1.3	+1.6	+2.3
청송군	4.9	6.0	6.4	6.5	6.6	6.9	7.0	7.1	7.3	6.2	6.5	7.2
		+1.1	+1.5	+1.6	+1.7	+2.0	+2.1	+2.2	+2.4	+1.3	+1.6	+2.3
칠곡군	7.8	8.9	9.3	9.4	9.4	9.8	9.9	10.0	10.1	9.1	9.4	10.1
		+1.1	+1.5	+1.6	+1.6	+2.0	+2.1	+2.2	+2.3	+1.3	+1.6	+2.3
포항시	9.8	10.9	11.3	11.4	11.4	11.7	11.9	12.0	12.2	11.1	11.4	12.1
		+1.1	+1.5	+1.6	+1.6	+1.9	+2.1	+2.2	+2.4	+1.3	+1.6	+2.3

표 4-18. 경상북도의 연평균 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	7.2	8.3	8.3	9.2	9.5	10.1	10.1	10.7	10.8	8.3	9.4	10.7
		+1.1	+1.1	+2.0	+2.3	+2.9	+2.9	+3.5	+3.6	+1.1	+2.2	+3.5
경산시	8.9	10.0	10.1	10.9	11.2	11.8	11.8	12.4	12.5	10.0	11.1	12.4
		+1.1	+1.2	+2.0	+2.3	+2.9	+2.9	+3.5	+3.6	+1.1	+2.2	+3.5
경주시	8.4	9.5	9.6	10.5	10.8	11.4	11.3	11.9	12.0	9.5	10.6	12.0
		+1.1	+1.2	+2.1	+2.4	+3.0	+2.9	+3.5	+3.6	+1.1	+2.2	+3.6
고령군	7.5	8.6	8.6	9.5	9.8	10.4	10.4	11.0	11.1	8.6	9.7	11.0
		+1.1	+1.1	+2.0	+2.3	+2.9	+2.9	+3.5	+3.6	+1.1	+2.2	+3.5
구미시	7.4	8.6	8.6	9.5	9.8	10.4	10.4	11.0	11.1	8.6	9.6	11.0
		+1.2	+1.2	+2.1	+2.4	+3.0	+3.0	+3.6	+3.7	+1.2	+2.2	+3.6
군위군	6.0	7.1	7.2	8.1	8.3	9.0	8.9	9.6	9.6	7.1	8.2	9.6
		+1.1	+1.2	+2.1	+2.3	+3.0	+2.9	+3.6	+3.6	+1.1	+2.2	+3.6
김천시	6.7	7.9	7.9	8.8	9.1	9.7	9.7	10.3	10.4	7.9	8.9	10.3
		+1.2	+1.2	+2.1	+2.4	+3.0	+3.0	+3.6	+3.7	+1.2	+2.2	+3.6
문경시	6.4	7.5	7.6	8.4	8.7	9.4	9.4	10.0	10.0	7.5	8.6	10.0
		+1.1	+1.2	+2.0	+2.3	+3.0	+3.0	+3.6	+3.6	+1.1	+2.2	+3.6
봉화군	4.5	5.7	5.7	6.6	6.9	7.5	7.5	8.1	8.2	5.7	6.8	8.2
		+1.2	+1.2	+2.1	+2.4	+3.0	+3.0	+3.6	+3.7	+1.2	+2.3	+3.7
상주시	6.8	8.0	8.0	8.9	9.2	9.8	9.8	10.4	10.5	8.0	9.1	10.5
		+1.2	+1.2	+2.1	+2.4	+3.0	+3.0	+3.6	+3.7	+1.2	+2.3	+3.7
성주군	7.2	8.3	8.4	9.2	9.5	10.1	10.2	10.7	10.8	8.3	9.4	10.8
		+1.1	+1.2	+2.0	+2.3	+2.9	+3.0	+3.5	+3.6	+1.1	+2.2	+3.6
안동시	6.1	7.2	7.3	8.2	8.5	9.1	9.1	9.7	9.8	7.3	8.3	9.7
		+1.1	+1.2	+2.1	+2.4	+3.0	+3.0	+3.6	+3.7	+1.2	+2.2	+3.6
영덕군	8.3	9.4	9.4	10.3	10.6	11.2	11.2	11.8	11.9	9.4	10.4	11.8
		+1.1	+1.1	+2.0	+2.3	+2.9	+2.9	+3.5	+3.6	+1.1	+2.1	+3.5
영양군	4.8	5.9	6.0	6.9	7.2	7.8	7.8	8.4	8.5	6.0	7.0	8.4
		+1.1	+1.2	+2.1	+2.4	+3.0	+3.0	+3.6	+3.7	+1.2	+2.2	+3.6
영주시	5.6	6.8	6.8	7.7	8.0	8.7	8.6	9.3	9.3	6.8	7.9	9.3
		+1.2	+1.2	+2.1	+2.4	+3.1	+3.0	+3.7	+3.7	+1.2	+2.3	+3.7
영천시	7.3	8.4	8.4	9.3	9.6	10.2	10.2	10.8	10.9	8.4	9.5	10.8
		+1.1	+1.1	+2.0	+2.3	+2.9	+2.9	+3.5	+3.6	+1.1	+2.2	+3.5
예천군	6.3	7.4	7.4	8.4	8.6	9.3	9.3	9.9	9.9	7.4	8.5	9.9
		+1.1	+1.1	+2.1	+2.3	+3.0	+3.0	+3.6	+3.6	+1.1	+2.2	+3.6
울릉군	9.8	10.9	10.9	11.7	12.1	12.7	12.7	13.1	13.5	10.9	11.9	13.3
		+1.1	+1.1	+1.9	+2.3	+2.9	+2.9	+3.3	+3.7	+1.1	+2.1	+3.5
울진군	8.2	9.4	9.3	10.2	10.5	11.1	11.1	11.7	11.8	9.3	10.4	11.8
		+1.2	+1.1	+2.0	+2.3	+2.9	+2.9	+3.5	+3.6	+1.1	+2.2	+3.6
의성군	6.1	7.2	7.2	8.2	8.4	9.1	9.0	9.7	9.7	7.2	8.3	9.7
		+1.1	+1.1	+2.1	+2.3	+3.0	+2.9	+3.6	+3.6	+1.1	+2.2	+3.6
청도군	7.3	8.4	8.5	9.4	9.7	10.3	10.3	10.8	10.9	8.5	9.5	10.9
		+1.1	+1.2	+2.1	+2.4	+3.0	+3.0	+3.5	+3.6	+1.2	+2.2	+3.6
청송군	4.9	6.0	6.1	7.0	7.3	7.9	7.9	8.5	8.6	6.0	7.1	8.5
		+1.1	+1.2	+2.1	+2.4	+3.0	+3.0	+3.6	+3.7	+1.1	+2.2	+3.6
칠곡군	7.8	8.9	9.0	9.9	10.1	10.8	10.8	11.3	11.4	8.9	10.0	11.4
		+1.1	+1.2	+2.1	+2.3	+3.0	+3.0	+3.5	+3.6	+1.1	+2.2	+3.6
포항시	9.8	10.9	10.9	11.8	12.1	12.7	12.7	13.3	13.4	10.9	12.0	13.3
		+1.1	+1.1	+2.0	+2.3	+2.9	+2.9	+3.5	+3.6	+1.1	+2.2	+3.5

표 4-19. 경상북도의 연평균 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	7.2	8.1	8.9	9.5	10.2	10.9	11.4	12.3	13.0	8.5	9.9	12.6
		+0.9	+1.7	+2.3	+3.0	+3.7	+4.2	+5.1	+5.8	+1.3	+2.7	+5.4
경산시	8.9	9.9	10.6	11.2	11.9	12.6	13.1	13.9	14.7	10.2	11.6	14.3
		+1.0	+1.7	+2.3	+3.0	+3.7	+4.2	+5.0	+5.8	+1.3	+2.7	+5.4
경주시	8.4	9.4	10.1	10.8	11.5	12.2	12.6	13.5	14.2	9.8	11.1	13.8
		+1.0	+1.7	+2.4	+3.1	+3.8	+4.2	+5.1	+5.8	+1.4	+2.7	+5.4
고령군	7.5	8.4	9.2	9.8	10.5	11.2	11.7	12.5	13.3	8.8	10.2	12.9
		+0.9	+1.7	+2.3	+3.0	+3.7	+4.2	+5.0	+5.8	+1.3	+2.7	+5.4
구미시	7.4	8.4	9.2	9.8	10.5	11.2	11.7	12.6	13.3	8.8	10.1	12.9
		+1.0	+1.8	+2.4	+3.1	+3.8	+4.3	+5.2	+5.9	+1.4	+2.7	+5.5
군위군	6.0	7.0	7.8	8.4	9.1	9.8	10.3	11.1	11.9	7.4	8.7	11.5
		+1.0	+1.8	+2.4	+3.1	+3.8	+4.3	+5.1	+5.9	+1.4	+2.7	+5.5
김천시	6.7	7.7	8.5	9.1	9.8	10.5	11.0	11.9	12.6	8.1	9.4	12.2
		+1.0	+1.8	+2.4	+3.1	+3.8	+4.3	+5.2	+5.9	+1.4	+2.7	+5.5
문경시	6.4	7.3	8.1	8.7	9.5	10.2	10.7	11.5	12.3	7.7	9.1	11.9
		+0.9	+1.7	+2.3	+3.1	+3.8	+4.3	+5.1	+5.9	+1.3	+2.7	+5.5
봉화군	4.5	5.5	6.3	7.0	7.6	8.3	8.8	9.7	10.4	5.9	7.3	10.1
		+1.0	+1.8	+2.5	+3.1	+3.8	+4.3	+5.2	+5.9	+1.4	+2.8	+5.6
상주시	6.8	7.8	8.6	9.2	9.9	10.7	11.1	12.0	12.7	8.2	9.6	12.4
		+1.0	+1.8	+2.4	+3.1	+3.9	+4.3	+5.2	+5.9	+1.4	+2.8	+5.6
성주군	7.2	8.1	8.9	9.6	10.2	11.0	11.5	12.3	13.0	8.5	9.9	12.6
		+0.9	+1.7	+2.4	+3.0	+3.8	+4.3	+5.1	+5.8	+1.3	+2.7	+5.4
안동시	6.1	7.1	7.9	8.5	9.2	9.9	10.4	11.3	12.0	7.5	8.8	11.6
		+1.0	+1.8	+2.4	+3.1	+3.8	+4.3	+5.2	+5.9	+1.4	+2.7	+5.5
영덕군	8.3	9.3	10.0	10.7	11.3	12.0	12.5	13.3	14.0	9.6	11.0	13.6
		+1.0	+1.7	+2.4	+3.0	+3.7	+4.2	+5.0	+5.7	+1.3	+2.7	+5.3
영양군	4.8	5.8	6.6	7.3	7.9	8.6	9.1	10.0	10.7	6.2	7.6	10.3
		+1.0	+1.8	+2.5	+3.1	+3.8	+4.3	+5.2	+5.9	+1.4	+2.8	+5.5
영주시	5.6	6.6	7.4	8.1	8.7	9.4	10.0	10.8	11.5	7.0	8.4	11.2
		+1.0	+1.8	+2.5	+3.1	+3.8	+4.4	+5.2	+5.9	+1.4	+2.8	+5.6
영천시	7.3	8.3	9.0	9.6	10.3	11.1	11.5	12.3	13.1	8.6	10.0	12.7
		+1.0	+1.7	+2.3	+3.0	+3.8	+4.2	+5.0	+5.8	+1.3	+2.7	+5.4
예천군	6.3	7.2	8.0	8.7	9.4	10.1	10.6	11.4	12.2	7.6	9.0	11.8
		+0.9	+1.7	+2.4	+3.1	+3.8	+4.3	+5.1	+5.9	+1.3	+2.7	+5.5
울릉군	9.8	10.8	11.5	12.1	12.6	13.3	13.8	14.5	15.4	11.1	12.4	15.0
		+1.0	+1.7	+2.3	+2.8	+3.5	+4.0	+4.7	+5.6	+1.3	+2.6	+5.2
울진군	8.2	9.2	9.9	10.6	11.2	11.9	12.4	13.2	13.9	9.5	10.9	13.6
		+1.0	+1.7	+2.4	+3.0	+3.7	+4.2	+5.0	+5.7	+1.3	+2.7	+5.4
의성군	6.1	7.1	7.8	8.5	9.2	9.9	10.4	11.2	12.0	7.4	8.8	11.6
		+1.0	+1.7	+2.4	+3.1	+3.8	+4.3	+5.1	+5.9	+1.3	+2.7	+5.5
청도군	7.3	8.3	9.1	9.7	10.3	11.1	11.6	12.4	13.1	8.7	10.0	12.7
		+1.0	+1.8	+2.4	+3.0	+3.8	+4.3	+5.1	+5.8	+1.4	+2.7	+5.4
청송군	4.9	5.9	6.6	7.3	8.0	8.7	9.2	10.0	10.8	6.3	7.6	10.4
		+1.0	+1.7	+2.4	+3.1	+3.8	+4.3	+5.1	+5.9	+1.4	+2.7	+5.5
칠곡군	7.8	8.8	9.5	10.1	10.8	11.6	12.0	12.9	13.6	9.1	10.5	13.3
		+1.0	+1.7	+2.3	+3.0	+3.8	+4.2	+5.1	+5.8	+1.3	+2.7	+5.5
포항시	9.8	10.8	11.5	12.2	12.8	13.5	14.0	14.8	15.5	11.1	12.5	15.2
		+1.0	+1.7	+2.4	+3.0	+3.7	+4.2	+5.0	+5.7	+1.3	+2.7	+5.4

표 4-20. 경상북도의 연평균 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	7.2	8.3	8.8	9.8	10.3	11.4	12.2	13.1	13.9	8.6	10.0	13.5
		+1.1	+1.6	+2.6	+3.1	+4.2	+5.0	+5.9	+6.7	+1.4	+2.8	+6.3
경산시	8.9	10.0	10.5	11.5	12.0	13.1	13.8	14.7	15.6	10.3	11.8	15.1
		+1.1	+1.6	+2.6	+3.1	+4.2	+4.9	+5.8	+6.7	+1.4	+2.9	+6.2
경주시	8.4	9.6	10.1	11.1	11.6	12.6	13.4	14.3	15.1	9.9	11.3	14.7
		+1.2	+1.7	+2.7	+3.2	+4.2	+5.0	+5.9	+6.7	+1.5	+2.9	+6.3
고령군	7.5	8.6	9.2	10.1	10.6	11.7	12.5	13.4	14.2	8.9	10.3	13.8
		+1.1	+1.7	+2.6	+3.1	+4.2	+5.0	+5.9	+6.7	+1.4	+2.8	+6.3
구미시	7.4	8.6	9.1	10.1	10.6	11.7	12.4	13.4	14.2	8.8	10.3	13.8
		+1.2	+1.7	+2.7	+3.2	+4.3	+5.0	+6.0	+6.8	+1.4	+2.9	+6.4
군위군	6.0	7.1	7.7	8.7	9.1	10.2	11.0	11.9	12.7	7.4	8.9	12.3
		+1.1	+1.7	+2.7	+3.1	+4.2	+5.0	+5.9	+6.7	+1.4	+2.9	+6.3
김천시	6.7	7.9	8.4	9.4	9.9	10.9	11.7	12.7	13.5	8.1	9.6	13.1
		+1.2	+1.7	+2.7	+3.2	+4.2	+5.0	+6.0	+6.8	+1.4	+2.9	+6.4
문경시	6.4	7.5	8.1	9.0	9.5	10.6	11.4	12.4	13.2	7.8	9.3	12.8
		+1.1	+1.7	+2.6	+3.1	+4.2	+5.0	+6.0	+6.8	+1.4	+2.9	+6.4
봉화군	4.5	5.7	6.3	7.2	7.7	8.8	9.6	10.5	11.3	6.0	7.4	10.9
		+1.2	+1.8	+2.7	+3.2	+4.3	+5.1	+6.0	+6.8	+1.5	+2.9	+6.4
상주시	6.8	8.0	8.5	9.5	10.0	11.1	11.9	12.8	13.7	8.3	9.7	13.2
		+1.2	+1.7	+2.7	+3.2	+4.3	+5.1	+6.0	+6.9	+1.5	+2.9	+6.4
성주군	7.2	8.3	8.9	9.8	10.3	11.4	12.2	13.1	13.9	8.6	10.1	13.5
		+1.1	+1.7	+2.6	+3.1	+4.2	+5.0	+5.9	+6.7	+1.4	+2.9	+6.3
안동시	6.1	7.3	7.8	8.8	9.3	10.3	11.2	12.1	12.9	7.6	9.0	12.5
		+1.2	+1.7	+2.7	+3.2	+4.2	+5.1	+6.0	+6.8	+1.5	+2.9	+6.4
영덕군	8.3	9.5	9.9	10.9	11.3	12.4	13.2	14.1	14.9	9.7	11.1	14.5
		+1.2	+1.6	+2.6	+3.0	+4.1	+4.9	+5.8	+6.6	+1.4	+2.8	+6.2
영양군	4.8	6.0	6.5	7.5	8.0	9.0	9.9	10.8	11.6	6.3	7.7	11.2
		+1.2	+1.7	+2.7	+3.2	+4.2	+5.1	+6.0	+6.8	+1.5	+2.9	+6.4
영주시	5.6	6.8	7.4	8.3	8.8	9.9	10.7	11.7	12.5	7.1	8.6	12.1
		+1.2	+1.8	+2.7	+3.2	+4.3	+5.1	+6.1	+6.9	+1.5	+3.0	+6.5
영천시	7.3	8.5	8.9	9.9	10.4	11.4	12.3	13.2	14.0	8.7	10.2	13.6
		+1.2	+1.6	+2.6	+3.1	+4.1	+5.0	+5.9	+6.7	+1.4	+2.9	+6.3
예천군	6.3	7.4	8.0	9.0	9.4	10.5	11.4	12.3	13.1	7.7	9.2	12.7
		+1.1	+1.7	+2.7	+3.1	+4.2	+5.1	+6.0	+6.8	+1.4	+2.9	+6.4
울릉군	9.8	11.0	11.3	12.4	12.7	13.9	14.6	15.6	16.4	11.1	12.5	16.0
		+1.2	+1.5	+2.6	+2.9	+4.1	+4.8	+5.8	+6.6	+1.3	+2.7	+6.2
울진군	8.2	9.4	9.9	10.8	11.2	12.4	13.2	14.1	14.9	9.6	11.0	14.5
		+1.2	+1.7	+2.6	+3.0	+4.2	+5.0	+5.9	+6.7	+1.4	+2.8	+6.3
의성군	6.1	7.2	7.8	8.7	9.2	10.3	11.1	12.1	12.9	7.5	9.0	12.5
		+1.1	+1.7	+2.6	+3.1	+4.2	+5.0	+6.0	+6.8	+1.4	+2.9	+6.4
청도군	7.3	8.5	9.0	10.0	10.4	11.5	12.3	13.2	14.0	8.7	10.2	13.6
		+1.2	+1.7	+2.7	+3.1	+4.2	+5.0	+5.9	+6.7	+1.4	+2.9	+6.3
청송군	4.9	6.1	6.6	7.6	8.1	9.1	10.0	10.8	11.7	6.4	7.8	11.2
		+1.2	+1.7	+2.7	+3.2	+4.2	+5.1	+5.9	+6.8	+1.5	+2.9	+6.3
칠곡군	7.8	8.9	9.5	10.4	10.9	12.0	12.8	13.7	14.5	9.2	10.7	14.1
		+1.1	+1.7	+2.6	+3.1	+4.2	+5.0	+5.9	+6.7	+1.4	+2.9	+6.3
포항시	9.8	11.0	11.5	12.4	12.9	13.9	14.7	15.6	16.4	11.2	12.7	16.0
		+1.2	+1.7	+2.6	+3.1	+4.1	+4.9	+5.8	+6.6	+1.4	+2.9	+6.2

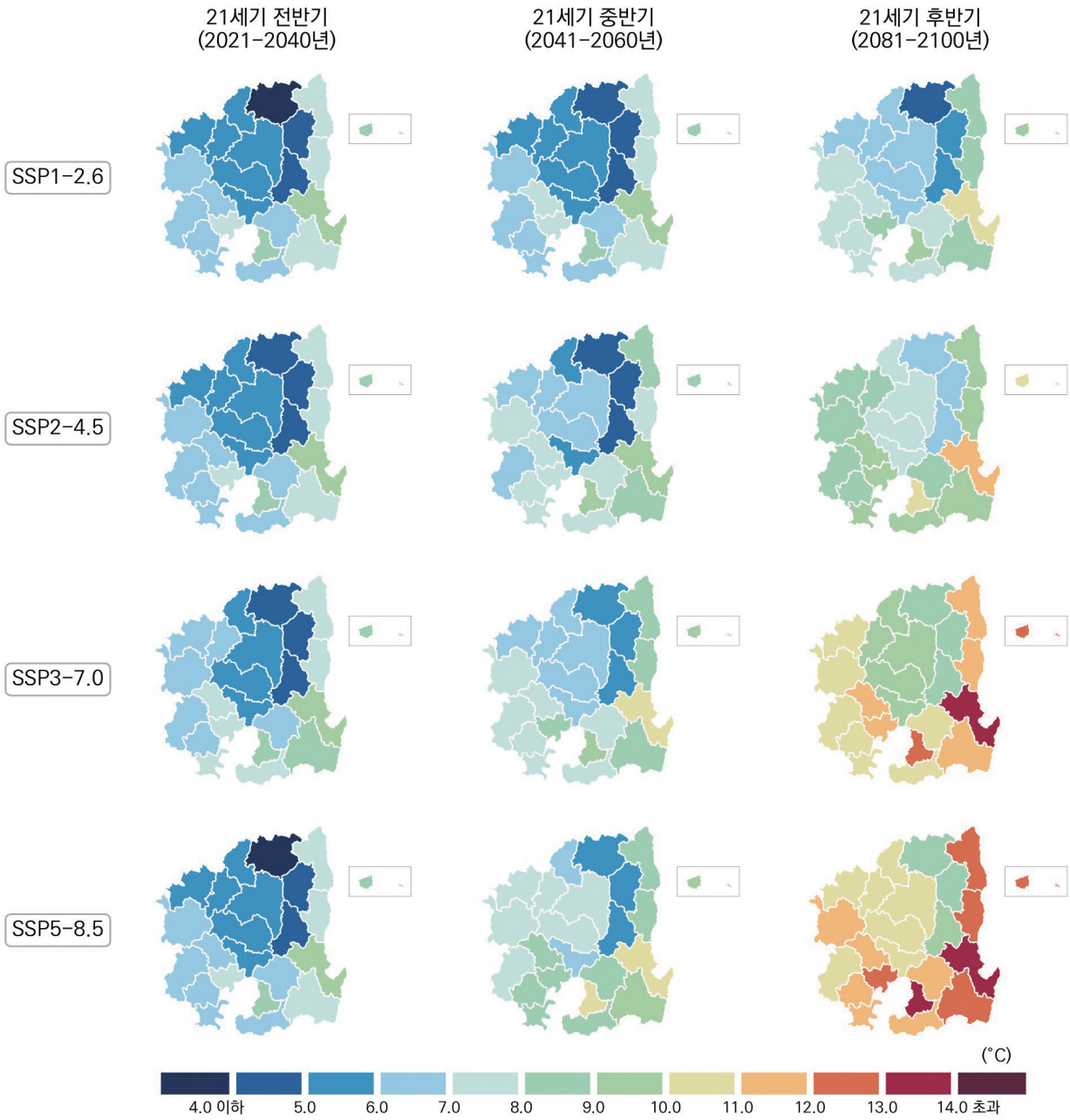


그림 4-12. 경상북도의 봄철 연평균 최저기온(°C) 전망 분포도

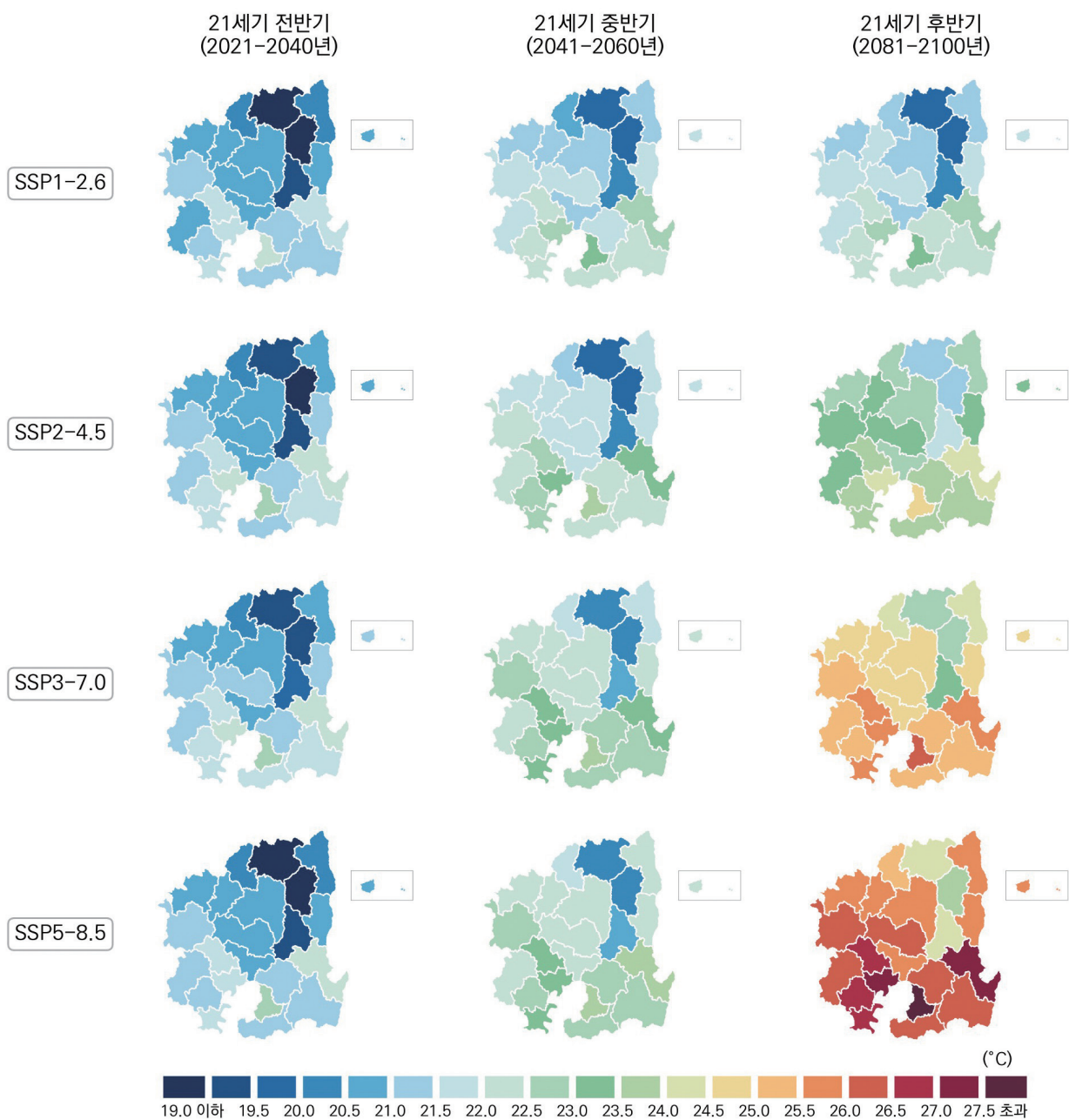


그림 4-13. 경상북도의 여름철 연평균 최저기온(°C) 전망 분포도

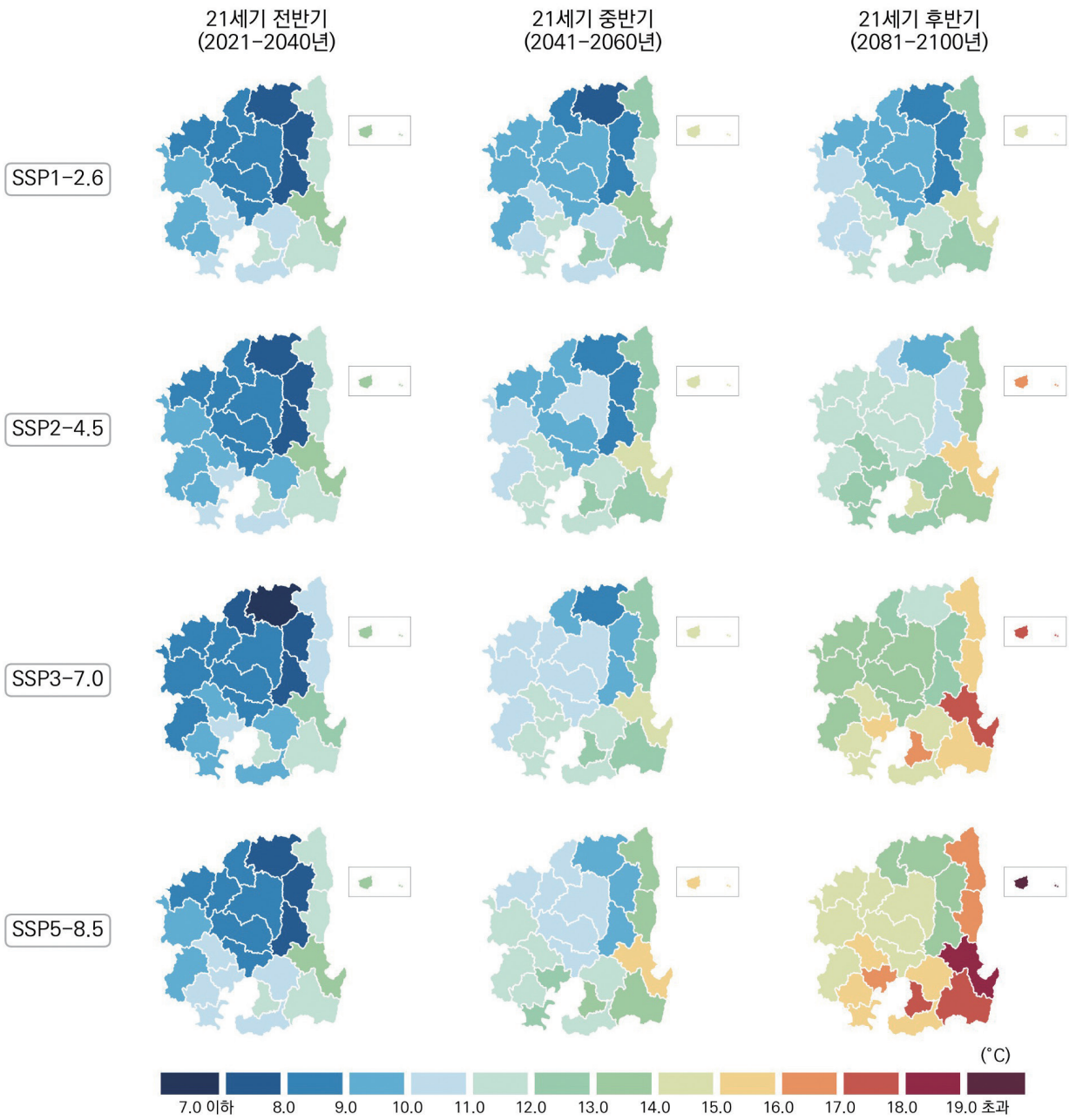


그림 4-14. 경상북도의 가을철 연평균 최저기온(°C) 전망 분포도

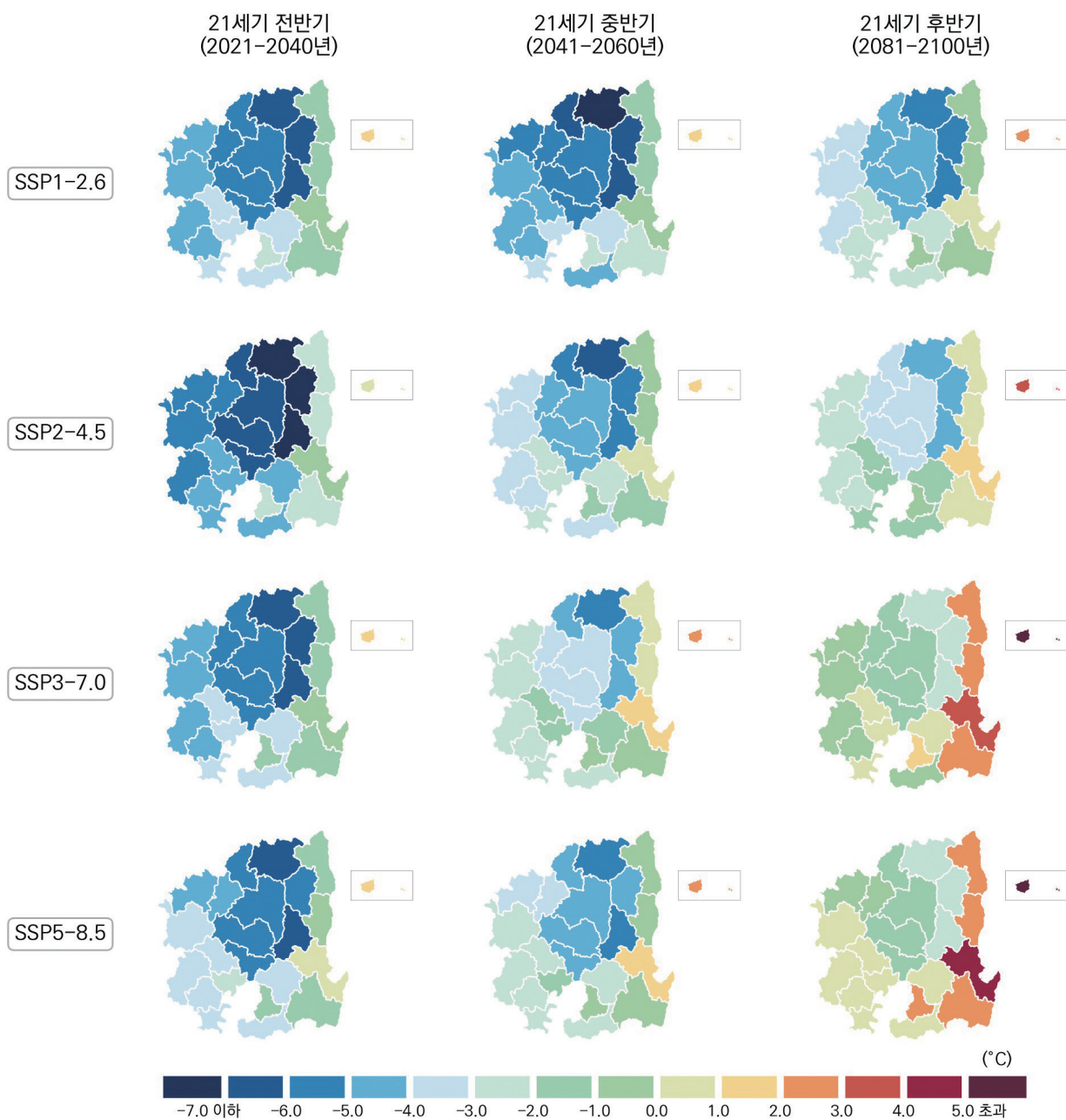


그림 4-15. 경상북도의 겨울철 연평균 최저기온(°C) 전망 분포도

표 4-21. 경상북도의 계절별 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	6.5	20.9	10.1	-3.7	6.7	21.7	10.7	-3.9	7.5	21.8	11.1	-2.6
	+0.9	+1.5	+1.5	+1.3	+1.1	+2.3	+2.1	+1.1	+1.9	+2.4	+2.5	+2.4
경산시	8.5	22.5	11.8	-2.0	8.7	23.3	12.3	-2.3	9.5	23.4	12.7	-0.9
	+0.9	+1.5	+1.6	+1.3	+1.1	+2.3	+2.1	+1.0	+1.9	+2.4	+2.5	+2.4
경주시	7.7	21.4	11.5	-1.7	7.9	22.2	12.1	-2.0	8.7	22.4	12.5	-0.7
	+0.9	+1.4	+1.5	+1.3	+1.1	+2.2	+2.1	+1.0	+1.9	+2.4	+2.5	+2.3
고령군	6.8	21.6	10.4	-3.7	7.0	22.4	11.1	-3.9	7.8	22.4	11.4	-2.6
	+0.9	+1.5	+1.4	+1.3	+1.1	+2.3	+2.1	+1.1	+1.9	+2.3	+2.4	+2.4
구미시	6.9	21.6	10.1	-3.7	7.1	22.4	10.7	-4.0	7.9	22.5	11.1	-2.6
	+0.9	+1.5	+1.5	+1.4	+1.1	+2.3	+2.1	+1.1	+1.9	+2.4	+2.5	+2.5
군위군	5.3	20.6	8.9	-5.6	5.5	21.4	9.5	-5.9	6.3	21.5	9.9	-4.5
	+0.9	+1.5	+1.4	+1.4	+1.1	+2.3	+2.0	+1.1	+1.9	+2.4	+2.4	+2.5
김천시	6.1	21.0	9.4	-4.3	6.3	21.8	10.0	-4.5	7.1	21.9	10.3	-3.2
	+0.9	+1.5	+1.5	+1.4	+1.1	+2.3	+2.1	+1.2	+1.9	+2.4	+2.4	+2.5
문경시	5.9	20.7	9.0	-4.8	6.0	21.4	9.6	-5.0	6.8	21.5	9.9	-3.6
	+0.9	+1.6	+1.5	+1.4	+1.0	+2.3	+2.1	+1.2	+1.8	+2.4	+2.4	+2.6
봉화군	4.0	19.0	7.4	-6.9	4.1	19.7	8.0	-7.2	5.0	19.8	8.4	-5.8
	+0.9	+1.5	+1.5	+1.5	+1.0	+2.2	+2.1	+1.2	+1.9	+2.3	+2.5	+2.6
상주시	6.4	21.2	9.3	-4.3	6.5	21.9	10.0	-4.5	7.4	22.0	10.3	-3.1
	+0.9	+1.6	+1.4	+1.4	+1.0	+2.3	+2.1	+1.2	+1.9	+2.4	+2.4	+2.6
성주군	6.5	21.4	10.0	-4.1	6.7	22.2	10.7	-4.3	7.5	22.3	11.0	-2.9
	+0.9	+1.4	+1.4	+1.3	+1.1	+2.2	+2.1	+1.1	+1.9	+2.3	+2.4	+2.5
안동시	5.6	20.6	9.0	-5.5	5.7	21.4	9.6	-5.7	6.6	21.5	10.0	-4.3
	+0.9	+1.5	+1.5	+1.3	+1.0	+2.3	+2.1	+1.1	+1.9	+2.4	+2.5	+2.5
영덕군	7.3	20.9	11.5	-1.5	7.5	21.7	12.0	-1.7	8.4	21.8	12.4	-0.4
	+0.9	+1.4	+1.5	+1.2	+1.1	+2.2	+2.0	+1.0	+2.0	+2.3	+2.4	+2.3
영양군	4.1	18.8	7.9	-6.4	4.2	19.6	8.5	-6.7	5.1	19.8	8.9	-5.3
	+0.9	+1.4	+1.5	+1.4	+1.0	+2.2	+2.1	+1.1	+1.9	+2.4	+2.5	+2.5
영주시	5.2	20.2	8.3	-5.9	5.3	21.0	8.9	-6.1	6.2	21.1	9.3	-4.7
	+0.9	+1.5	+1.5	+1.4	+1.0	+2.3	+2.1	+1.2	+1.9	+2.4	+2.5	+2.6
영천시	6.5	21.2	10.1	-3.5	6.7	22.0	10.7	-3.8	7.6	22.1	11.1	-2.4
	+0.9	+1.5	+1.5	+1.3	+1.1	+2.3	+2.1	+1.0	+2.0	+2.4	+2.5	+2.4
예천군	5.8	20.8	8.9	-5.1	5.9	21.5	9.5	-5.4	6.8	21.6	9.9	-4.0
	+0.9	+1.6	+1.4	+1.4	+1.0	+2.3	+2.0	+1.1	+1.9	+2.4	+2.4	+2.5
울릉군	8.2	20.7	13.8	1.1	8.5	21.6	14.5	1.3	9.3	21.8	14.7	2.1
	+0.8	+1.4	+1.5	+1.1	+1.1	+2.3	+2.2	+1.3	+1.9	+2.5	+2.4	+2.1
울진군	7.4	20.5	11.5	-1.6	7.6	21.2	12.1	-1.7	8.5	21.4	12.5	-0.5
	+0.9	+1.5	+1.5	+1.3	+1.1	+2.2	+2.1	+1.2	+2.0	+2.4	+2.5	+2.4
의성군	5.5	20.9	8.9	-5.6	5.6	21.7	9.5	-5.9	6.5	21.7	9.8	-4.5
	+0.9	+1.6	+1.5	+1.4	+1.0	+2.4	+2.1	+1.1	+1.9	+2.4	+2.4	+2.5
청도군	6.8	21.3	10.2	-3.8	7.0	22.1	10.9	-4.0	7.8	22.2	11.2	-2.7
	+0.9	+1.4	+1.4	+1.3	+1.1	+2.2	+2.1	+1.1	+1.9	+2.3	+2.4	+2.4
청송군	4.1	19.3	7.9	-6.5	4.3	20.1	8.5	-6.7	5.2	20.2	8.8	-5.4
	+0.9	+1.5	+1.5	+1.4	+1.1	+2.3	+2.1	+1.2	+2.0	+2.4	+2.4	+2.5
칠곡군	7.2	21.9	10.6	-3.4	7.4	22.7	11.2	-3.6	8.2	22.8	11.5	-2.3
	+0.9	+1.5	+1.5	+1.3	+1.1	+2.3	+2.1	+1.1	+1.9	+2.4	+2.4	+2.4
포항시	9.1	22.0	13.3	-0.1	9.3	22.8	13.9	-0.4	10.1	23.0	14.3	1.0
	+0.9	+1.4	+1.5	+1.3	+1.1	+2.2	+2.1	+1.0	+1.9	+2.4	+2.5	+2.4

표 4-22. 경상북도의 계절별 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	6.6	21.1	10.0	-4.5	7.2	22.0	11.2	-2.9	8.8	23.3	12.5	-1.7
	+1.0	+1.7	+1.4	+0.5	+1.6	+2.6	+2.6	+2.1	+3.2	+3.9	+3.9	+3.3
경산시	8.6	22.7	11.6	-2.8	9.1	23.7	12.8	-1.2	10.8	24.9	14.2	-0.1
	+1.0	+1.7	+1.4	+0.5	+1.5	+2.7	+2.6	+2.1	+3.2	+3.9	+4.0	+3.2
경주시	7.8	21.6	11.4	-2.5	8.3	22.5	12.6	-1.0	10.0	23.8	13.9	0.2
	+1.0	+1.6	+1.4	+0.5	+1.5	+2.5	+2.6	+2.0	+3.2	+3.8	+3.9	+3.2
고령군	6.9	21.8	10.3	-4.4	7.5	22.7	11.5	-2.9	9.1	23.9	12.9	-1.7
	+1.0	+1.7	+1.3	+0.6	+1.6	+2.6	+2.5	+2.1	+3.2	+3.8	+3.9	+3.3
구미시	7.0	21.8	10.0	-4.5	7.6	22.7	11.2	-2.9	9.2	24.0	12.6	-1.7
	+1.0	+1.7	+1.4	+0.6	+1.6	+2.6	+2.6	+2.2	+3.2	+3.9	+4.0	+3.4
군위군	5.4	20.7	8.8	-6.4	6.0	21.7	10.0	-4.8	7.6	23.0	11.4	-3.6
	+1.0	+1.6	+1.3	+0.6	+1.6	+2.6	+2.5	+2.2	+3.2	+3.9	+3.9	+3.4
김천시	6.2	21.2	9.2	-5.1	6.8	22.1	10.4	-3.5	8.4	23.4	11.8	-2.3
	+1.0	+1.7	+1.3	+0.6	+1.6	+2.6	+2.5	+2.2	+3.2	+3.9	+3.9	+3.4
문경시	6.0	20.8	8.8	-5.6	6.5	21.7	10.0	-3.9	8.2	23.0	11.4	-2.7
	+1.0	+1.7	+1.3	+0.6	+1.5	+2.6	+2.5	+2.3	+3.2	+3.9	+3.9	+3.5
봉화군	4.1	19.2	7.2	-7.7	4.7	20.0	8.5	-6.1	6.3	21.3	9.8	-4.8
	+1.0	+1.7	+1.3	+0.7	+1.6	+2.5	+2.6	+2.3	+3.2	+3.8	+3.9	+3.6
상주시	6.5	21.3	9.2	-5.0	7.1	22.3	10.4	-3.4	8.7	23.5	11.8	-2.2
	+1.0	+1.7	+1.3	+0.7	+1.6	+2.7	+2.5	+2.3	+3.2	+3.9	+3.9	+3.5
성주군	6.6	21.6	9.9	-4.8	7.2	22.6	11.1	-3.2	8.8	23.8	12.5	-2.1
	+1.0	+1.6	+1.3	+0.6	+1.6	+2.6	+2.5	+2.2	+3.2	+3.8	+3.9	+3.3
안동시	5.7	20.8	8.8	-6.3	6.2	21.7	10.1	-4.6	7.9	23.0	11.5	-3.4
	+1.0	+1.7	+1.3	+0.5	+1.5	+2.6	+2.6	+2.2	+3.2	+3.9	+4.0	+3.4
영덕군	7.4	21.1	11.4	-2.2	8.0	22.0	12.5	-0.6	9.6	23.3	13.8	0.6
	+1.0	+1.6	+1.4	+0.5	+1.6	+2.5	+2.5	+2.1	+3.2	+3.8	+3.8	+3.3
영양군	4.2	19.0	7.7	-7.2	4.7	20.0	9.0	-5.6	6.4	21.2	10.3	-4.4
	+1.0	+1.6	+1.3	+0.6	+1.5	+2.6	+2.6	+2.2	+3.2	+3.8	+3.9	+3.4
영주시	5.3	20.4	8.2	-6.7	5.8	21.3	9.4	-5.0	7.5	22.6	10.8	-3.8
	+1.0	+1.7	+1.4	+0.6	+1.5	+2.6	+2.6	+2.3	+3.2	+3.9	+4.0	+3.5
영천시	6.6	21.4	9.9	-4.3	7.2	22.3	11.2	-2.7	8.8	23.6	12.5	-1.6
	+1.0	+1.7	+1.3	+0.5	+1.6	+2.6	+2.6	+2.1	+3.2	+3.9	+3.9	+3.2
예천군	5.9	20.9	8.8	-5.9	6.5	21.9	10.0	-4.3	8.1	23.1	11.4	-3.0
	+1.0	+1.7	+1.3	+0.6	+1.6	+2.7	+2.5	+2.2	+3.2	+3.9	+3.9	+3.5
울릉군	8.2	21.0	13.7	0.7	8.9	21.8	14.8	2.0	10.5	23.3	16.1	3.2
	+0.8	+1.7	+1.4	+0.7	+1.5	+2.5	+2.5	+2.0	+3.1	+4.0	+3.8	+3.2
울진군	7.5	20.7	11.4	-2.2	8.1	21.6	12.6	-0.7	9.7	22.9	13.9	0.5
	+1.0	+1.7	+1.4	+0.7	+1.6	+2.6	+2.6	+2.2	+3.2	+3.9	+3.9	+3.4
의성군	5.6	21.0	8.7	-6.4	6.2	22.0	9.9	-4.8	7.8	23.2	11.3	-3.6
	+1.0	+1.7	+1.3	+0.6	+1.6	+2.7	+2.5	+2.2	+3.2	+3.9	+3.9	+3.4
청도군	6.9	21.5	10.1	-4.5	7.4	22.4	11.3	-3.0	9.1	23.7	12.6	-1.9
	+1.0	+1.6	+1.3	+0.6	+1.5	+2.5	+2.5	+2.1	+3.2	+3.8	+3.8	+3.2
청송군	4.2	19.5	7.7	-7.3	4.8	20.4	9.0	-5.6	6.5	21.7	10.3	-4.4
	+1.0	+1.7	+1.3	+0.6	+1.6	+2.6	+2.6	+2.3	+3.3	+3.9	+3.9	+3.5
칠곡군	7.3	22.2	10.4	-4.1	7.9	23.1	11.6	-2.6	9.5	24.3	13.0	-1.4
	+1.0	+1.8	+1.3	+0.6	+1.6	+2.7	+2.5	+2.1	+3.2	+3.9	+3.9	+3.3
포항시	9.2	22.2	13.2	-0.9	9.7	23.1	14.4	0.7	11.4	24.4	15.7	1.8
	+1.0	+1.6	+1.4	+0.5	+1.5	+2.5	+2.6	+2.1	+3.2	+3.8	+3.9	+3.2

표 4-23. 경상북도의 계절별 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	6.9	21.2	9.7	-3.6	7.7	22.4	11.4	-1.9	10.7	24.9	14.6	0.3
	+1.3	+1.8	+1.1	+1.4	+2.1	+3.0	+2.8	+3.1	+5.1	+5.5	+6.0	+5.3
경산시	8.9	22.8	11.2	-1.9	9.6	24.0	13.0	-0.3	12.6	26.5	16.3	1.8
	+1.3	+1.8	+1.0	+1.4	+2.0	+3.0	+2.8	+3.0	+5.0	+5.5	+6.1	+5.1
경주시	8.1	21.7	11.1	-1.7	8.8	22.9	12.8	0.0	11.9	25.4	16.0	2.1
	+1.3	+1.7	+1.1	+1.3	+2.0	+2.9	+2.8	+3.0	+5.1	+5.4	+6.0	+5.1
고령군	7.2	21.9	10.0	-3.7	7.9	23.1	11.7	-2.0	11.0	25.6	15.0	0.1
	+1.3	+1.8	+1.0	+1.3	+2.0	+3.0	+2.7	+3.0	+5.1	+5.5	+6.0	+5.1
구미시	7.3	21.9	9.6	-3.7	8.0	23.1	11.4	-1.9	11.1	25.7	14.6	0.2
	+1.3	+1.8	+1.0	+1.4	+2.0	+3.0	+2.8	+3.2	+5.1	+5.6	+6.0	+5.3
군위군	5.7	20.9	8.4	-5.5	6.4	22.1	10.2	-3.8	9.5	24.6	13.5	-1.7
	+1.3	+1.8	+0.9	+1.5	+2.0	+3.0	+2.7	+3.2	+5.1	+5.5	+6.0	+5.3
김천시	6.5	21.3	8.9	-4.3	7.2	22.5	10.7	-2.5	10.3	25.1	13.9	-0.3
	+1.3	+1.8	+1.0	+1.4	+2.0	+3.0	+2.8	+3.2	+5.1	+5.6	+6.0	+5.4
문경시	6.3	20.9	8.5	-4.7	7.0	22.2	10.3	-2.9	10.1	24.7	13.5	-0.7
	+1.3	+1.8	+1.0	+1.5	+2.0	+3.1	+2.8	+3.3	+5.1	+5.6	+6.0	+5.5
봉화군	4.5	19.3	6.9	-6.9	5.2	20.5	8.7	-5.1	8.2	23.0	11.9	-2.8
	+1.4	+1.8	+1.0	+1.5	+2.1	+3.0	+2.8	+3.3	+5.1	+5.5	+6.0	+5.6
상주시	6.8	21.4	8.9	-4.2	7.5	22.6	10.6	-2.5	10.6	25.2	13.9	-0.2
	+1.3	+1.8	+1.0	+1.5	+2.0	+3.0	+2.7	+3.2	+5.1	+5.6	+6.0	+5.5
성주군	6.9	21.7	9.6	-4.0	7.7	22.9	11.3	-2.3	10.7	25.5	14.6	-0.1
	+1.3	+1.7	+1.0	+1.4	+2.1	+2.9	+2.7	+3.1	+5.1	+5.5	+6.0	+5.3
안동시	6.0	20.9	8.5	-5.4	6.7	22.1	10.3	-3.6	9.8	24.7	13.5	-1.4
	+1.3	+1.8	+1.0	+1.4	+2.0	+3.0	+2.8	+3.2	+5.1	+5.6	+6.0	+5.4
영덕군	7.8	21.2	11.0	-1.4	8.5	22.4	12.7	0.3	11.4	24.9	15.8	2.5
	+1.4	+1.7	+1.0	+1.3	+2.1	+2.9	+2.7	+3.0	+5.0	+5.4	+5.8	+5.2
영양군	4.5	19.2	7.4	-6.4	5.3	20.4	9.2	-4.6	8.3	22.9	12.4	-2.4
	+1.3	+1.8	+1.0	+1.4	+2.1	+3.0	+2.8	+3.2	+5.1	+5.5	+6.0	+5.4
영주시	5.6	20.5	7.8	-5.8	6.3	21.8	9.6	-4.0	9.4	24.3	12.8	-1.7
	+1.3	+1.8	+1.0	+1.5	+2.0	+3.1	+2.8	+3.3	+5.1	+5.6	+6.0	+5.6
영천시	7.0	21.5	9.6	-3.4	7.7	22.7	11.4	-1.8	10.7	25.2	14.6	0.3
	+1.4	+1.8	+1.0	+1.4	+2.1	+3.0	+2.8	+3.0	+5.1	+5.5	+6.0	+5.1
예천군	6.2	21.0	8.4	-5.1	6.9	22.3	10.2	-3.3	10.0	24.8	13.5	-1.0
	+1.3	+1.8	+0.9	+1.4	+2.0	+3.1	+2.7	+3.2	+5.1	+5.6	+6.0	+5.5
울릉군	8.7	21.2	13.5	1.2	9.5	22.3	15.0	2.7	12.2	24.8	17.8	5.1
	+1.3	+1.9	+1.2	+1.2	+2.1	+3.0	+2.7	+2.7	+4.8	+5.5	+5.5	+5.1
울진군	7.9	20.8	11.0	-1.5	8.7	22.0	12.8	0.2	11.6	24.4	15.8	2.5
	+1.4	+1.8	+1.0	+1.4	+2.2	+3.0	+2.8	+3.1	+5.1	+5.4	+5.8	+5.4
의성군	5.9	21.2	8.4	-5.6	6.6	22.4	10.2	-3.8	9.6	24.9	13.4	-1.6
	+1.3	+1.9	+1.0	+1.4	+2.0	+3.1	+2.8	+3.2	+5.0	+5.6	+6.0	+5.4
청도군	7.2	21.6	9.8	-3.7	7.9	22.8	11.5	-2.1	11.0	25.3	14.8	0.0
	+1.3	+1.7	+1.0	+1.4	+2.0	+2.9	+2.7	+3.0	+5.1	+5.4	+6.0	+5.1
청송군	4.6	19.6	7.4	-6.4	5.3	20.8	9.2	-4.7	8.4	23.3	12.4	-2.5
	+1.4	+1.8	+1.0	+1.5	+2.1	+3.0	+2.8	+3.2	+5.2	+5.5	+6.0	+5.4
칠곡군	7.6	22.2	10.1	-3.3	8.4	23.4	11.8	-1.6	11.4	26.0	15.1	0.6
	+1.3	+1.8	+1.0	+1.4	+2.1	+3.0	+2.7	+3.1	+5.1	+5.6	+6.0	+5.3
포항시	9.5	22.3	12.9	0.0	10.2	23.5	14.6	1.7	13.2	26.0	17.7	3.7
	+1.3	+1.7	+1.1	+1.4	+2.0	+2.9	+2.8	+3.1	+5.0	+5.4	+5.9	+5.1

표 4-24. 경상북도의 계절별 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	6.6	21.0	10.2	-3.3	8.1	22.5	11.9	-2.2	11.4	26.1	15.7	0.7
	+1.0	+1.6	+1.6	+1.7	+2.5	+3.1	+3.3	+2.8	+5.8	+6.7	+7.1	+5.7
경산시	8.5	22.6	11.8	-1.6	10.1	24.0	13.6	-0.6	13.4	27.7	17.3	2.2
	+0.9	+1.6	+1.6	+1.7	+2.5	+3.0	+3.4	+2.7	+5.8	+6.7	+7.1	+5.5
경주시	7.7	21.5	11.6	-1.3	9.3	23.0	13.3	-0.3	12.6	26.5	17.1	2.5
	+0.9	+1.5	+1.6	+1.7	+2.5	+3.0	+3.3	+2.7	+5.8	+6.5	+7.1	+5.5
고령군	6.9	21.6	10.5	-3.3	8.5	23.1	12.2	-2.3	11.8	26.7	16.0	0.6
	+1.0	+1.5	+1.5	+1.7	+2.6	+3.0	+3.2	+2.7	+5.9	+6.6	+7.0	+5.6
구미시	7.0	21.7	10.1	-3.3	8.6	23.1	11.9	-2.2	11.9	26.8	15.7	0.7
	+1.0	+1.6	+1.5	+1.8	+2.6	+3.0	+3.3	+2.9	+5.9	+6.7	+7.1	+5.8
군위군	5.4	20.6	9.0	-5.2	7.0	22.1	10.8	-4.2	10.2	25.8	14.6	-1.3
	+1.0	+1.5	+1.5	+1.8	+2.6	+3.0	+3.3	+2.8	+5.8	+6.7	+7.1	+5.7
김천시	6.1	21.1	9.4	-3.9	7.7	22.5	11.2	-2.8	11.0	26.2	15.0	0.1
	+0.9	+1.6	+1.5	+1.8	+2.5	+3.0	+3.3	+2.9	+5.8	+6.7	+7.1	+5.8
문경시	5.9	20.7	9.0	-4.3	7.5	22.2	10.8	-3.3	10.8	25.9	14.7	-0.2
	+0.9	+1.6	+1.5	+1.9	+2.5	+3.1	+3.3	+2.9	+5.8	+6.8	+7.2	+6.0
봉화군	4.0	19.0	7.4	-6.4	5.6	20.5	9.2	-5.4	9.0	24.1	13.1	-2.4
	+0.9	+1.5	+1.5	+2.0	+2.5	+3.0	+3.3	+3.0	+5.9	+6.6	+7.2	+6.0
상주시	6.4	21.2	9.4	-3.8	8.0	22.7	11.2	-2.8	11.3	26.4	15.0	0.2
	+0.9	+1.6	+1.5	+1.9	+2.5	+3.1	+3.3	+2.9	+5.8	+6.8	+7.1	+5.9
성주군	6.6	21.5	10.1	-3.6	8.2	23.0	11.8	-2.6	11.5	26.6	15.7	0.3
	+1.0	+1.5	+1.5	+1.8	+2.6	+3.0	+3.2	+2.8	+5.9	+6.6	+7.1	+5.7
안동시	5.6	20.6	9.0	-5.0	7.2	22.1	10.8	-4.0	10.5	25.8	14.7	-1.0
	+0.9	+1.5	+1.5	+1.8	+2.5	+3.0	+3.3	+2.8	+5.8	+6.7	+7.2	+5.8
영덕군	7.4	20.9	11.5	-0.9	8.9	22.5	13.2	0.0	12.2	26.0	17.0	2.9
	+1.0	+1.4	+1.5	+1.8	+2.5	+3.0	+3.2	+2.7	+5.8	+6.5	+7.0	+5.6
영양군	4.1	18.9	7.9	-5.9	5.7	20.4	9.7	-4.9	9.0	24.0	13.5	-2.0
	+0.9	+1.5	+1.5	+1.9	+2.5	+3.0	+3.3	+2.9	+5.8	+6.6	+7.1	+5.8
영주시	5.2	20.3	8.4	-5.3	6.8	21.8	10.2	-4.3	10.1	25.4	14.0	-1.3
	+0.9	+1.6	+1.6	+2.0	+2.5	+3.1	+3.4	+3.0	+5.8	+6.7	+7.2	+6.0
영천시	6.6	21.2	10.2	-3.1	8.2	22.7	11.9	-2.1	11.5	26.3	15.7	0.7
	+1.0	+1.5	+1.6	+1.7	+2.6	+3.0	+3.3	+2.7	+5.9	+6.6	+7.1	+5.5
예천군	5.8	20.8	9.0	-4.6	7.4	22.3	10.7	-3.6	10.8	26.0	14.6	-0.6
	+0.9	+1.6	+1.5	+1.9	+2.5	+3.1	+3.2	+2.9	+5.9	+6.8	+7.1	+5.9
울릉군	8.4	20.7	13.8	1.6	9.7	22.4	15.3	2.6	13.0	26.0	19.1	5.8
	+1.0	+1.4	+1.5	+1.6	+2.3	+3.1	+3.0	+2.6	+5.6	+6.7	+6.8	+5.8
울진군	7.5	20.5	11.6	-1.0	9.0	22.1	13.2	-0.1	12.3	25.6	17.0	2.9
	+1.0	+1.5	+1.6	+1.9	+2.5	+3.1	+3.2	+2.8	+5.8	+6.6	+7.0	+5.8
의성군	5.5	20.9	8.9	-5.2	7.1	22.4	10.7	-4.1	10.4	26.1	14.5	-1.2
	+0.9	+1.6	+1.5	+1.8	+2.5	+3.1	+3.3	+2.9	+5.8	+6.8	+7.1	+5.8
청도군	6.8	21.4	10.3	-3.4	8.4	22.8	12.0	-2.4	11.7	26.5	15.8	0.4
	+0.9	+1.5	+1.5	+1.7	+2.5	+2.9	+3.2	+2.7	+5.8	+6.6	+7.0	+5.5
청송군	4.2	19.4	8.0	-6.0	5.8	20.9	9.7	-5.0	9.1	24.5	13.5	-2.1
	+1.0	+1.6	+1.6	+1.9	+2.6	+3.1	+3.3	+2.9	+5.9	+6.7	+7.1	+5.8
칠곡군	7.2	22.0	10.6	-2.9	8.9	23.5	12.4	-1.9	12.2	27.1	16.2	1.0
	+0.9	+1.6	+1.5	+1.8	+2.6	+3.1	+3.3	+2.8	+5.9	+6.7	+7.1	+5.7
포항시	9.1	22.1	13.4	0.3	10.7	23.6	15.1	1.3	14.0	27.1	18.8	4.1
	+0.9	+1.5	+1.6	+1.7	+2.5	+3.0	+3.3	+2.7	+5.8	+6.5	+7.0	+5.5

4) 연강수량

- SSP 시나리오에 따른 경상북도 연강수량은 현재(2000-2019년, 1167.4mm) 대비 21세기 중반기에 3.3~5.8%, 21세기 후반기에 0.9~14.9% 증가할 것으로 전망됨.
 - SSP1-2.6 시나리오에서 경상북도 연강수량은 현재 대비 21세기 중반기에 3.3%, 후반기에 0.9% 증가할 것으로 전망됨.
 - SSP2-4.5 시나리오에서 경상북도 연강수량은 현재 대비 21세기 중반기에 5.1%, 후반기에 11.2% 증가할 것으로 전망됨.
 - SSP3-7.0 시나리오에서 경상북도 연강수량은 현재 대비 21세기 중반기에 5.8%, 후반기에 10.7% 증가할 것으로 전망됨.
 - SSP5-8.5 시나리오에서 경상북도 연강수량은 현재 대비 21세기 중반기에 4.2%, 후반기에 14.9% 증가할 것으로 전망됨.
- SSP5-8.5 시나리오에서 21세기 하반기 경상북도 연강수량 증가율(+14.9%)은 SSP1-2.6 시나리오에서의 증가율(+0.9%)보다 높게 나타남.
- 현재 경상북도 연강수량(1167.4mm)은 우리나라 평균(1325.9mm)보다 158.5mm 적으며 SSP5-8.5에서 21세기 하반기 경상북도 연강수량 증가율(+14.9%)은 우리나라 평균 증가율(+16.0%)보다 낮게 나타남.
 - 지역별로 살펴보면, 울진군에서 강수량 증가율(+28.4%)이 가장 높고 김천시에서 강수량 증가율(+9.2%)이 가장 낮게 나타남.

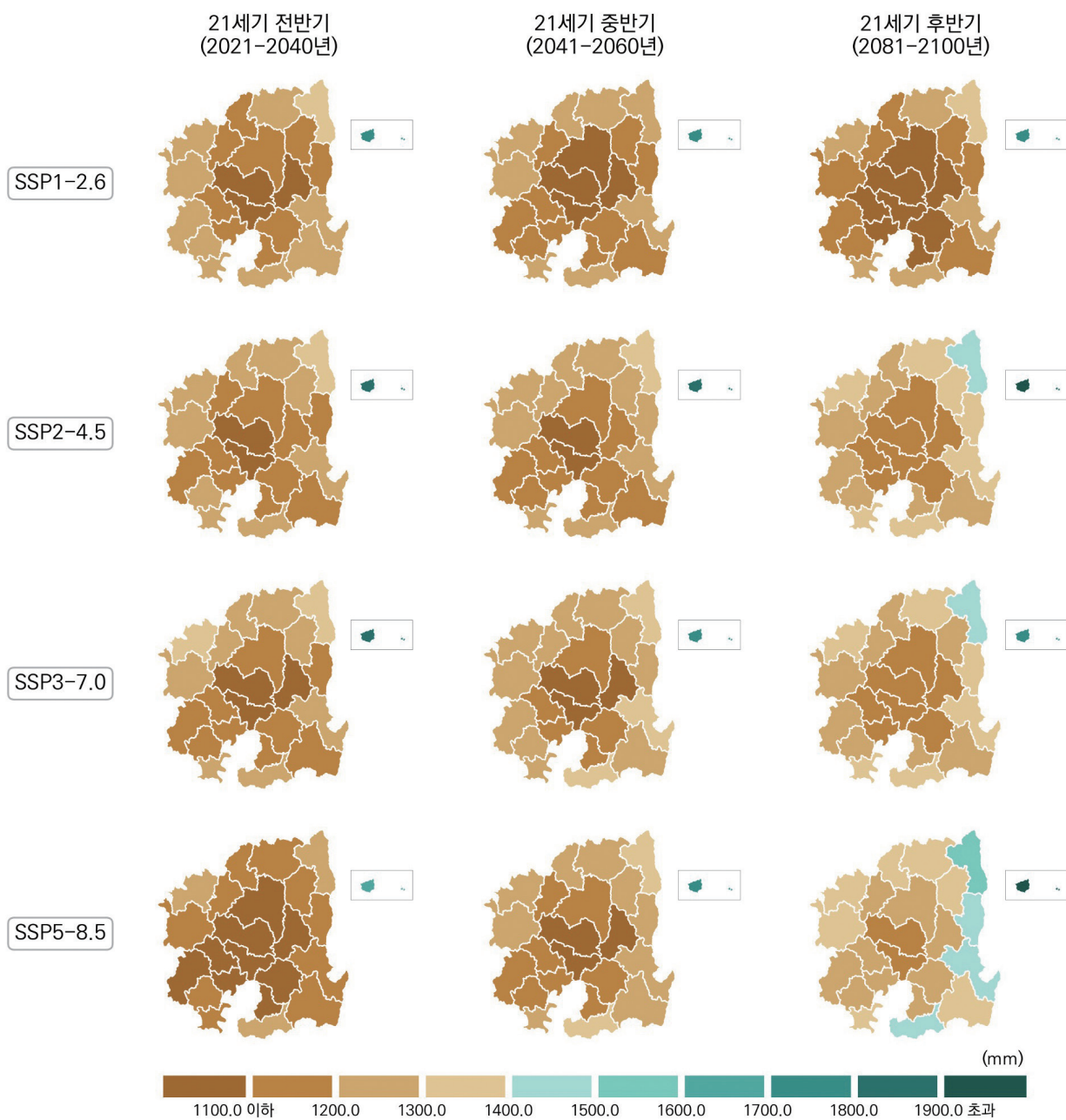


그림 4-16. 경상북도의 연강수량(mm) 전망 분포도

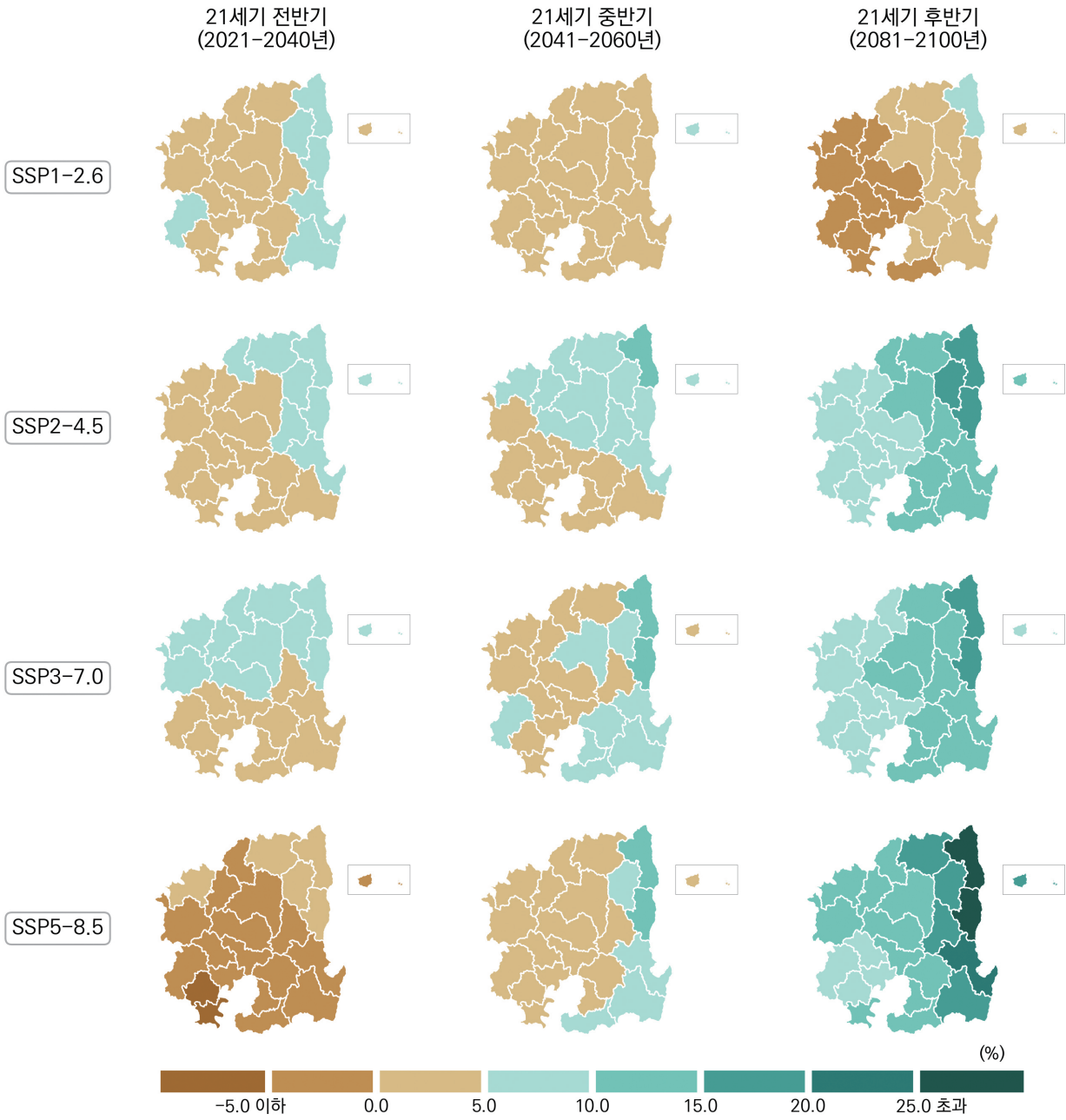


그림 4-17. 경상북도의 연강수량 변화율(2000-2019년 대비) 전망 분포도

표 4-25. 경상북도의 연강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	1167.4	1189.4 +1.9%	1246.0 +6.7%	1170.2 +0.2%	1241.3 +6.3%	1292.4 +10.7%	1254.0 +7.4%	1171.9 +0.4%	1184.6 +1.5%	1217.7 +4.3%	1205.7 +3.3%	1178.2 +0.9%
경산시	1096.9	1114.9 +1.6%	1180.9 +7.7%	1097.9 +0.1%	1186.8 +8.2%	1219.6 +11.2%	1151.2 +5.0%	1090.3 -0.6%	1106.8 +0.9%	1147.9 +4.6%	1142.4 +4.1%	1098.5 +0.1%
경주시	1143.6	1178.5 +3.1%	1227.3 +7.3%	1170.3 +2.3%	1227.1 +7.3%	1285.1 +12.4%	1205.4 +5.4%	1138.6 -0.4%	1188.9 +4.0%	1202.9 +5.2%	1198.7 +4.8%	1163.7 +1.8%
고령군	1237.0	1257.1 +1.6%	1296.7 +4.8%	1223.6 -1.1%	1338.9 +8.2%	1339.5 +8.3%	1304.9 +5.5%	1233.0 -0.3%	1232.3 -0.4%	1276.9 +3.2%	1281.2 +3.6%	1232.6 -0.3%
구미시	1102.5	1121.4 +1.7%	1163.9 +5.6%	1084.0 -1.7%	1146.5 +4.0%	1196.9 +8.6%	1178.0 +6.8%	1092.0 -0.9%	1086.3 -1.5%	1142.6 +3.6%	1115.2 +1.2%	1089.1 -1.2%
군위군	1050.5	1071.8 +2.0%	1099.9 +4.7%	1040.0 -1.0%	1108.9 +5.6%	1149.3 +9.4%	1120.4 +6.7%	1038.9 -1.1%	1057.5 +0.7%	1085.9 +3.4%	1074.4 +2.3%	1048.2 -0.2%
김천시	1146.3	1192.7 +4.0%	1222.8 +6.7%	1116.1 -2.6%	1179.9 +2.9%	1238.4 +8.0%	1202.4 +4.9%	1130.4 -1.4%	1123.0 -2.0%	1207.8 +5.4%	1148.0 +0.1%	1126.7 -1.7%
문경시	1222.4	1214.7 -0.6%	1258.8 +3.0%	1209.0 -1.1%	1300.6 +6.4%	1340.1 +9.6%	1283.2 +5.0%	1225.0 +0.2%	1185.5 -3.0%	1236.7 +1.2%	1254.8 +2.7%	1205.2 -1.4%
봉화군	1188.3	1199.7 +1.0%	1288.8 +8.5%	1202.3 +1.2%	1272.4 +7.1%	1313.3 +10.5%	1289.5 +8.5%	1233.7 +3.8%	1217.6 +2.5%	1244.3 +4.7%	1237.3 +4.1%	1225.7 +3.1%
상주시	1192.6	1206.1 +1.1%	1227.3 +2.9%	1169.9 -1.9%	1245.7 +4.5%	1305.9 +9.5%	1262.2 +5.8%	1187.1 -0.5%	1153.9 -3.2%	1216.7 +2.0%	1207.8 +1.3%	1170.5 -1.8%
성주군	1171.3	1191.4 +1.7%	1238.8 +5.8%	1152.6 -1.6%	1235.7 +5.5%	1261.2 +7.7%	1239.0 +5.8%	1161.1 -0.9%	1158.1 -1.1%	1215.1 +3.7%	1194.1 +1.9%	1159.6 -1.0%
안동시	1062.3	1073.1 +1.0%	1128.8 +6.3%	1055.1 -0.7%	1125.8 +6.0%	1166.3 +9.8%	1154.8 +8.7%	1075.0 +1.2%	1060.9 -0.1%	1100.9 +3.6%	1090.4 +2.6%	1067.9 +0.5%
영덕군	1102.8	1165.2 +5.7%	1222.1 +10.8%	1116.4 +1.2%	1195.9 +8.4%	1275.2 +15.6%	1244.2 +12.8%	1106.6 +0.3%	1178.5 +6.9%	1193.7 +8.2%	1156.1 +4.8%	1142.5 +3.6%
영양군	1137.1	1152.8 +1.4%	1240.9 +9.1%	1138.9 +0.2%	1200.7 +5.6%	1264.0 +11.2%	1252.6 +10.2%	1155.0 +1.6%	1172.8 +3.1%	1196.9 +5.3%	1169.8 +2.9%	1163.9 +2.4%
영주시	1152.0	1146.3 -0.5%	1247.4 +8.3%	1162.9 +0.9%	1252.3 +8.7%	1259.7 +9.3%	1235.5 +7.2%	1176.7 +2.1%	1151.6 +0.0%	1196.8 +3.9%	1207.6 +4.8%	1164.2 +1.1%
영천시	1084.0	1114.4 +2.8%	1160.6 +7.1%	1094.7 +1.0%	1164.1 +7.4%	1202.5 +10.9%	1152.6 +6.3%	1075.6 -0.8%	1104.0 +1.8%	1137.5 +4.9%	1129.4 +4.2%	1089.8 +0.5%
예천군	1164.4	1147.4 -1.4%	1214.8 +4.3%	1151.3 -1.1%	1230.0 +5.6%	1261.6 +8.3%	1238.6 +6.4%	1156.2 -0.7%	1132.6 -2.7%	1181.1 +1.4%	1190.7 +2.3%	1144.4 -1.7%
울릉군	1707.7	1691.1 -1.0%	1802.6 +5.6%	1794.5 +5.1%	1797.8 +5.3%	1941.1 +13.7%	1870.2 +9.5%	1766.5 +3.4%	1779.6 +4.2%	1746.9 +2.3%	1796.2 +5.2%	1773.0 +3.8%
울진군	1230.4	1280.2 +4.0%	1385.6 +12.6%	1239.9 +0.8%	1327.3 +7.9%	1413.9 +14.9%	1408.3 +14.5%	1277.2 +3.8%	1341.4 +9.0%	1332.9 +8.3%	1283.6 +4.3%	1309.3 +6.4%
의성군	1028.5	1047.5 +1.8%	1080.7 +5.1%	1009.7 -1.8%	1074.5 +4.5%	1130.8 +9.9%	1107.4 +7.7%	1020.6 -0.8%	1018.9 -0.9%	1064.1 +3.5%	1042.1 +1.3%	1019.7 -0.8%
청도군	1239.9	1260.3 +1.6%	1327.1 +7.0%	1230.3 -0.8%	1339.0 +8.0%	1378.2 +11.2%	1300.1 +4.9%	1240.6 +0.1%	1236.1 -0.3%	1293.7 +4.3%	1284.7 +3.6%	1238.3 -0.1%
청송군	1044.5	1068.1 +2.3%	1118.2 +7.1%	1043.7 -0.1%	1108.0 +6.1%	1151.7 +10.3%	1125.7 +7.8%	1035.6 -0.8%	1072.8 +2.7%	1093.2 +4.7%	1075.9 +3.0%	1054.2 +0.9%
칠곡군	1106.3	1119.5 +1.2%	1157.4 +4.6%	1094.7 -1.0%	1164.0 +5.2%	1193.1 +7.8%	1170.9 +5.8%	1094.5 -1.1%	1097.7 -0.8%	1138.5 +2.9%	1129.3 +2.1%	1096.1 -0.9%
포항시	1202.6	1265.5 +5.2%	1305.6 +8.6%	1242.3 +3.3%	1284.1 +6.8%	1364.2 +13.4%	1298.6 +8.0%	1206.6 +0.3%	1286.6 +7.0%	1285.6 +6.9%	1263.2 +5.0%	1246.6 +3.7%

표 4-26. 경상북도의 연강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	1167.4	1175.6	1266.0	1200.6	1252.5	1242.5	1417.6	1326.9	1268.8	1220.8	1226.5	1297.8
		+0.7%	+8.4%	+2.8%	+7.3%	+6.4%	+21.4%	+13.7%	+8.7%	+4.6%	+5.1%	+11.2%
경산시	1096.9	1084.8	1173.8	1099.9	1135.5	1138.7	1306.6	1218.1	1202.5	1129.3	1117.7	1210.3
		-1.1%	+7.0%	+0.3%	+3.5%	+3.8%	+19.1%	+11.0%	+9.6%	+3.0%	+1.9%	+10.3%
경주시	1143.6	1141.1	1249.3	1143.3	1222.6	1228.9	1367.6	1314.3	1261.8	1195.2	1183.0	1288.0
		-0.2%	+9.2%	+0.0%	+6.9%	+7.5%	+19.6%	+14.9%	+10.3%	+4.5%	+3.4%	+12.6%
고령군	1237.0	1199.8	1350.0	1252.4	1262.6	1286.1	1463.7	1349.1	1326.9	1274.9	1257.5	1338.0
		-3.0%	+9.1%	+1.2%	+2.1%	+4.0%	+18.3%	+9.1%	+7.3%	+3.1%	+1.7%	+8.2%
구미시	1102.5	1072.0	1198.4	1118.8	1136.6	1157.4	1333.6	1197.3	1145.7	1135.2	1127.7	1171.5
		-2.8%	+8.7%	+1.5%	+3.1%	+5.0%	+21.0%	+8.6%	+3.9%	+3.0%	+2.3%	+6.3%
군위군	1050.5	1027.5	1138.3	1058.1	1114.3	1099.6	1279.1	1165.6	1112.2	1082.9	1086.2	1138.9
		-2.2%	+8.4%	+0.7%	+6.1%	+4.7%	+21.8%	+11.0%	+5.9%	+3.1%	+3.4%	+8.4%
김천시	1146.3	1108.9	1245.6	1174.2	1160.7	1197.0	1381.1	1227.3	1202.5	1177.3	1167.5	1214.9
		-3.3%	+8.7%	+2.4%	+1.3%	+4.4%	+20.5%	+7.1%	+4.9%	+2.7%	+1.8%	+6.0%
문경시	1222.4	1243.2	1285.9	1304.4	1280.7	1299.9	1465.2	1350.9	1328.0	1264.6	1292.6	1339.5
		+1.7%	+5.2%	+6.7%	+4.8%	+6.3%	+19.9%	+10.5%	+8.6%	+3.5%	+5.7%	+9.6%
봉화군	1188.3	1243.5	1268.0	1265.4	1320.9	1264.1	1464.7	1395.6	1308.6	1255.8	1293.1	1352.1
		+4.6%	+6.7%	+6.5%	+11.2%	+6.4%	+23.3%	+17.4%	+10.1%	+5.7%	+8.8%	+13.8%
상주시	1192.6	1186.9	1270.2	1250.7	1240.1	1254.1	1430.4	1300.7	1277.1	1228.5	1245.4	1288.9
		-0.5%	+6.5%	+4.9%	+4.0%	+5.2%	+19.9%	+9.1%	+7.1%	+3.0%	+4.4%	+8.1%
성주군	1171.3	1126.8	1275.7	1185.5	1180.8	1219.1	1395.5	1262.5	1228.7	1201.2	1183.1	1245.6
		-3.8%	+8.9%	+1.2%	+0.8%	+4.1%	+19.1%	+7.8%	+4.9%	+2.6%	+1.0%	+6.3%
안동시	1062.3	1084.9	1143.9	1120.7	1171.4	1132.5	1310.5	1218.2	1160.6	1114.4	1146.1	1189.4
		+2.1%	+7.7%	+5.5%	+10.3%	+6.6%	+23.4%	+14.7%	+9.3%	+4.9%	+7.9%	+12.0%
영덕군	1102.8	1145.4	1253.5	1168.9	1252.9	1228.9	1413.5	1363.2	1265.8	1199.5	1210.9	1314.5
		+3.9%	+13.7%	+6.0%	+13.6%	+11.4%	+28.2%	+23.6%	+14.8%	+8.8%	+9.8%	+19.2%
영양군	1137.1	1171.8	1250.6	1199.9	1281.4	1222.2	1423.8	1357.8	1270.9	1211.2	1240.7	1314.4
		+3.1%	+10.0%	+5.5%	+12.7%	+7.5%	+25.2%	+19.4%	+11.8%	+6.5%	+9.1%	+15.6%
영주시	1152.0	1201.8	1222.9	1230.3	1256.4	1219.9	1413.2	1320.3	1263.7	1212.4	1243.4	1292.0
		+4.3%	+6.2%	+6.8%	+9.1%	+5.9%	+22.7%	+14.6%	+9.7%	+5.2%	+7.9%	+12.2%
영천시	1084.0	1076.9	1161.7	1070.8	1140.3	1141.7	1296.9	1209.4	1188.5	1119.3	1105.5	1198.9
		-0.6%	+7.2%	-1.2%	+5.2%	+5.3%	+19.6%	+11.6%	+9.6%	+3.3%	+2.0%	+10.6%
예천군	1164.4	1179.1	1220.9	1223.6	1228.7	1222.6	1409.3	1297.7	1255.0	1200.0	1226.1	1276.4
		+1.3%	+4.9%	+5.1%	+5.5%	+5.0%	+21.0%	+11.4%	+7.8%	+3.1%	+5.3%	+9.6%
울릉군	1707.7	1780.8	1831.7	1713.3	1891.1	1851.8	1987.5	1972.8	1846.3	1806.3	1802.2	1909.5
		+4.3%	+7.3%	+0.3%	+10.7%	+8.4%	+16.4%	+15.5%	+8.1%	+5.8%	+5.5%	+11.8%
울진군	1230.4	1311.1	1381.9	1309.2	1426.2	1376.4	1598.4	1536.4	1399.0	1346.5	1367.7	1467.7
		+6.6%	+12.3%	+6.4%	+15.9%	+11.9%	+29.9%	+24.9%	+13.7%	+9.4%	+11.2%	+19.3%
의성군	1028.5	1017.4	1111.0	1063.8	1106.4	1084.6	1259.1	1151.6	1101.8	1064.2	1085.1	1126.7
		-1.1%	+8.0%	+3.4%	+7.6%	+5.5%	+22.4%	+12.0%	+7.1%	+3.5%	+5.5%	+9.5%
청도군	1239.9	1247.3	1338.9	1254.1	1295.6	1295.1	1453.9	1381.0	1365.1	1293.1	1274.8	1373.0
		+0.6%	+8.0%	+1.1%	+4.5%	+4.5%	+17.3%	+11.4%	+10.1%	+4.3%	+2.8%	+10.7%
청송군	1044.5	1053.1	1152.6	1068.4	1154.3	1110.1	1279.9	1205.3	1147.3	1102.8	1111.3	1176.3
		+0.8%	+10.3%	+2.3%	+10.5%	+6.3%	+22.5%	+15.4%	+9.8%	+5.6%	+6.4%	+12.6%
칠곡군	1106.3	1072.9	1190.7	1104.9	1129.3	1150.7	1331.5	1202.1	1150.4	1131.8	1117.1	1176.2
		-3.0%	+7.6%	-0.1%	+2.1%	+4.0%	+20.4%	+8.7%	+4.0%	+2.3%	+1.0%	+6.3%
포항시	1202.6	1218.1	1333.0	1216.6	1334.4	1318.3	1477.6	1423.7	1320.2	1275.6	1275.5	1372.0
		+1.3%	+10.8%	+1.2%	+11.0%	+9.6%	+22.9%	+18.4%	+9.8%	+6.1%	+6.1%	+14.1%

표 4-27. 경상북도의 연강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	1167.4	1159.2 -0.7%	1291.5 +10.6%	1224.5 +4.9%	1245.9 +6.7%	1294.9 +10.9%	1365.6 +17.0%	1261.9 +8.1%	1322.3 +13.3%	1225.4 +5.0%	1235.2 +5.8%	1292.1 +10.7%
경산시	1096.9	1062.6 -3.1%	1206.9 +10.0%	1173.4 +7.0%	1166.3 +6.3%	1216.3 +10.9%	1275.2 +16.3%	1179.8 +7.6%	1255.1 +14.4%	1134.8 +3.5%	1169.8 +6.6%	1217.5 +11.0%
경주시	1143.6	1112.6 -2.7%	1258.7 +10.1%	1249.3 +9.2%	1221.1 +6.8%	1305.3 +14.1%	1383.2 +21.0%	1234.6 +8.0%	1361.5 +19.1%	1185.6 +3.7%	1235.2 +8.0%	1298.0 +13.5%
고령군	1237.0	1169.0 -5.5%	1353.6 +9.4%	1275.3 +3.1%	1298.3 +5.0%	1377.4 +11.4%	1416.8 +14.5%	1317.1 +6.5%	1361.7 +10.1%	1261.3 +2.0%	1286.8 +4.0%	1339.4 +8.3%
구미시	1102.5	1080.3 -2.0%	1207.1 +9.5%	1109.3 +0.6%	1183.8 +7.4%	1199.6 +8.8%	1221.8 +10.8%	1163.0 +5.5%	1231.1 +11.7%	1143.7 +3.7%	1146.6 +4.0%	1197.0 +8.6%
군위군	1050.5	1027.7 -2.2%	1152.7 +9.7%	1070.7 +1.9%	1113.0 +5.9%	1142.2 +8.7%	1179.8 +12.3%	1112.5 +5.9%	1184.9 +12.8%	1090.2 +3.8%	1091.8 +3.9%	1148.7 +9.3%
김천시	1146.3	1115.4 -2.7%	1252.5 +9.3%	1174.7 +2.5%	1249.2 +9.0%	1249.9 +9.0%	1287.1 +12.3%	1209.0 +5.5%	1267.2 +10.5%	1184.0 +3.3%	1211.9 +5.7%	1238.1 +8.0%
문경시	1222.4	1224.3 +0.2%	1379.9 +12.9%	1244.2 +1.8%	1276.1 +4.4%	1369.8 +12.1%	1444.3 +18.2%	1295.4 +6.0%	1324.3 +8.3%	1302.1 +6.5%	1260.2 +3.1%	1309.9 +7.2%
봉화군	1188.3	1225.1 +3.1%	1321.7 +11.2%	1233.7 +3.8%	1257.1 +5.8%	1324.9 +11.5%	1427.0 +20.1%	1313.2 +10.5%	1334.1 +12.3%	1273.4 +7.2%	1245.4 +4.8%	1323.6 +11.4%
상주시	1192.6	1193.9 +0.1%	1327.7 +11.3%	1222.0 +2.5%	1259.0 +5.6%	1313.4 +10.1%	1377.7 +15.5%	1257.8 +5.5%	1317.9 +10.5%	1260.8 +5.7%	1240.5 +4.0%	1287.8 +8.0%
성주군	1171.3	1114.2 -4.9%	1278.9 +9.2%	1183.2 +1.0%	1255.0 +7.1%	1292.9 +10.4%	1320.4 +12.7%	1228.4 +4.9%	1285.3 +9.7%	1196.6 +2.2%	1219.1 +4.1%	1256.8 +7.3%
안동시	1062.3	1064.4 +0.2%	1204.7 +13.4%	1110.5 +4.5%	1135.0 +6.8%	1192.6 +12.3%	1235.0 +16.3%	1166.1 +9.8%	1194.8 +12.5%	1134.6 +6.8%	1122.8 +5.7%	1180.4 +11.1%
영덕군	1102.8	1110.7 +0.7%	1223.6 +11.0%	1215.2 +10.2%	1229.2 +11.5%	1222.8 +10.9%	1376.0 +24.8%	1270.8 +15.2%	1354.7 +22.8%	1167.2 +5.8%	1222.2 +10.8%	1312.7 +19.0%
영양군	1137.1	1156.9 +1.7%	1273.9 +12.0%	1201.2 +5.6%	1236.5 +8.7%	1270.8 +11.8%	1344.0 +18.2%	1262.0 +11.0%	1332.7 +17.2%	1215.4 +6.9%	1218.8 +7.2%	1297.3 +14.1%
영주시	1152.0	1175.9 +2.1%	1296.2 +12.5%	1192.3 +3.5%	1214.7 +5.4%	1300.7 +12.9%	1392.1 +20.8%	1267.1 +10.0%	1267.7 +10.0%	1236.1 +7.3%	1203.5 +4.5%	1267.4 +10.0%
영천시	1084.0	1061.2 -2.1%	1185.1 +9.3%	1148.0 +5.9%	1157.2 +6.8%	1190.1 +9.8%	1250.2 +15.3%	1154.2 +6.5%	1239.6 +14.4%	1123.2 +3.6%	1152.6 +6.3%	1196.9 +10.4%
예천군	1164.4	1169.3 +0.4%	1308.0 +12.3%	1184.2 +1.7%	1219.2 +4.7%	1293.9 +11.1%	1367.9 +17.5%	1244.5 +6.9%	1273.8 +9.4%	1238.7 +6.4%	1201.7 +3.2%	1259.1 +8.1%
울릉군	1707.7	1794.2 +5.1%	1870.2 +9.5%	1780.8 +4.3%	1793.9 +5.0%	1841.9 +7.9%	1900.8 +11.3%	1817.0 +6.4%	1781.7 +4.3%	1832.2 +7.3%	1787.3 +4.7%	1799.4 +5.4%
울진군	1230.4	1288.6 +4.7%	1347.3 +9.5%	1368.2 +11.2%	1398.9 +13.7%	1385.4 +12.6%	1523.1 +23.8%	1424.5 +15.8%	1524.0 +23.9%	1318.0 +7.1%	1383.6 +12.5%	1474.2 +19.8%
의성군	1028.5	1013.9 -1.4%	1153.8 +12.2%	1051.3 +2.2%	1085.1 +5.5%	1128.9 +9.8%	1160.8 +12.9%	1102.2 +7.2%	1164.0 +13.2%	1083.9 +5.4%	1068.2 +3.9%	1133.1 +10.2%
청도군	1239.9	1198.9 -3.3%	1357.1 +9.5%	1337.0 +7.8%	1300.9 +4.9%	1382.9 +11.5%	1460.3 +17.8%	1332.3 +7.5%	1412.3 +13.9%	1278.0 +3.1%	1318.9 +6.4%	1372.3 +10.7%
청송군	1044.5	1031.4 -1.2%	1156.0 +10.7%	1084.8 +3.9%	1102.6 +5.6%	1142.5 +9.4%	1214.4 +16.3%	1139.0 +9.0%	1192.6 +14.2%	1093.7 +4.7%	1093.7 +4.7%	1165.8 +11.6%
칠곡군	1106.3	1066.3 -3.6%	1195.8 +8.1%	1120.1 +1.2%	1182.8 +6.9%	1208.7 +9.3%	1234.7 +11.6%	1156.3 +4.5%	1218.6 +10.2%	1131.0 +2.2%	1151.5 +4.1%	1187.5 +7.3%
포항시	1202.6	1181.6 -1.7%	1341.6 +11.6%	1329.1 +10.5%	1283.3 +6.7%	1360.7 +13.1%	1489.5 +23.9%	1318.7 +9.7%	1426.7 +18.6%	1261.6 +4.9%	1306.2 +8.6%	1372.7 +14.1%

표 4-28. 경상북도의 연강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	1167.4	1171.6	1128.3	1213.9	1220.0	1232.9	1353.7	1282.5	1401.1	1149.9	1216.9	1341.8
		+0.4%	-3.3%	+4.0%	+4.5%	+5.6%	+16.0%	+9.9%	+20.0%	-1.5%	+4.2%	+14.9%
경산시	1096.9	1083.7	1044.4	1140.7	1150.3	1179.9	1288.8	1178.6	1316.2	1064.0	1145.5	1247.4
		-1.2%	-4.8%	+4.0%	+4.9%	+7.6%	+17.5%	+7.4%	+20.0%	-3.0%	+4.4%	+13.7%
경주시	1143.6	1160.9	1098.9	1234.3	1174.4	1264.9	1364.7	1264.3	1398.5	1129.9	1204.4	1331.4
		+1.5%	-3.9%	+7.9%	+2.7%	+10.6%	+19.3%	+10.6%	+22.3%	-1.2%	+5.3%	+16.4%
고령군	1237.0	1196.8	1153.6	1262.5	1255.5	1282.0	1405.6	1313.9	1425.8	1175.2	1259.0	1369.9
		-3.2%	-6.7%	+2.1%	+1.5%	+3.6%	+13.6%	+6.2%	+15.3%	-5.0%	+1.8%	+10.7%
구미시	1102.5	1073.3	1061.2	1117.5	1130.5	1132.0	1244.7	1168.8	1256.7	1067.2	1124.0	1212.8
		-2.6%	-3.7%	+1.4%	+2.5%	+2.7%	+12.9%	+6.0%	+14.0%	-3.2%	+2.0%	+10.0%
군위군	1050.5	1025.5	1008.6	1059.4	1086.1	1088.3	1195.4	1119.6	1225.6	1017.0	1072.7	1172.6
		-2.4%	-4.0%	+0.8%	+3.4%	+3.6%	+13.8%	+6.6%	+16.7%	-3.2%	+2.1%	+11.6%
김천시	1146.3	1104.0	1095.2	1178.8	1154.5	1165.2	1268.5	1210.5	1293.2	1099.6	1166.7	1251.9
		-3.7%	-4.4%	+2.8%	+0.7%	+1.6%	+10.7%	+5.6%	+12.8%	-4.1%	+1.8%	+9.2%
문경시	1222.4	1237.2	1218.5	1211.3	1294.4	1240.5	1375.1	1308.4	1413.3	1227.9	1252.9	1360.8
		+1.2%	-0.3%	-0.9%	+5.9%	+1.5%	+12.5%	+7.0%	+15.6%	+0.4%	+2.5%	+11.3%
봉화군	1188.3	1221.5	1164.0	1213.1	1276.1	1248.2	1370.8	1324.3	1432.8	1192.7	1244.6	1378.5
		+2.8%	-2.0%	+2.1%	+7.4%	+5.0%	+15.4%	+11.4%	+20.6%	+0.4%	+4.7%	+16.0%
상주시	1192.6	1190.0	1185.0	1196.4	1239.3	1211.7	1326.4	1273.7	1369.1	1187.5	1217.9	1321.4
		-0.2%	-0.6%	+0.3%	+3.9%	+1.6%	+11.2%	+6.8%	+14.8%	-0.4%	+2.1%	+10.8%
성주군	1171.3	1126.6	1094.8	1190.3	1179.5	1204.4	1317.3	1237.5	1337.3	1110.7	1184.9	1287.4
		-3.8%	-6.5%	+1.6%	+0.7%	+2.8%	+12.5%	+5.7%	+14.2%	-5.2%	+1.2%	+9.9%
안동시	1062.3	1075.5	1047.5	1082.3	1126.0	1113.9	1230.5	1180.2	1253.2	1061.5	1104.2	1216.7
		+1.2%	-1.4%	+1.9%	+6.0%	+4.9%	+15.8%	+11.1%	+18.0%	-0.1%	+3.9%	+14.5%
영덕군	1102.8	1162.5	1064.8	1262.4	1196.6	1217.2	1399.3	1330.0	1488.1	1113.7	1229.5	1409.1
		+5.4%	-3.4%	+14.5%	+8.5%	+10.4%	+26.9%	+20.6%	+34.9%	+1.0%	+11.5%	+27.8%
영양군	1137.1	1192.8	1102.5	1221.3	1213.3	1230.9	1334.2	1285.2	1421.3	1147.7	1217.3	1353.3
		+4.9%	-3.0%	+7.4%	+6.7%	+8.2%	+17.3%	+13.0%	+25.0%	+0.9%	+7.1%	+19.0%
영주시	1152.0	1167.2	1134.5	1155.2	1260.4	1189.2	1333.4	1256.7	1358.0	1150.8	1207.8	1307.3
		+1.3%	-1.5%	+0.3%	+9.4%	+3.2%	+15.7%	+9.1%	+17.9%	-0.1%	+4.8%	+13.5%
영천시	1084.0	1068.6	1040.4	1113.9	1132.8	1165.1	1263.1	1174.5	1308.8	1054.5	1123.4	1241.7
		-1.4%	-4.0%	+2.8%	+4.5%	+7.5%	+16.5%	+8.3%	+20.7%	-2.7%	+3.6%	+14.5%
예천군	1164.4	1171.8	1149.3	1157.2	1236.6	1187.2	1320.0	1248.2	1342.3	1160.6	1196.9	1295.2
		+0.6%	-1.3%	-0.6%	+6.2%	+2.0%	+13.4%	+7.2%	+15.3%	-0.3%	+2.8%	+11.2%
울릉군	1707.7	1710.3	1662.5	1763.7	1759.4	1761.2	1874.9	1882.6	2060.2	1686.4	1761.5	1971.4
		+0.2%	-2.6%	+3.3%	+3.0%	+3.1%	+9.8%	+10.2%	+20.6%	-1.2%	+3.2%	+15.4%
울진군	1230.4	1302.1	1195.4	1378.2	1332.9	1382.6	1520.2	1499.8	1660.9	1248.7	1355.5	1580.4
		+5.8%	-2.8%	+12.0%	+8.3%	+12.4%	+23.6%	+21.9%	+35.0%	+1.5%	+10.2%	+28.4%
의성군	1028.5	1017.6	1004.9	1040.1	1057.7	1064.7	1169.5	1113.3	1192.9	1011.2	1048.9	1153.1
		-1.0%	-2.3%	+1.1%	+2.8%	+3.5%	+13.7%	+8.2%	+16.0%	-1.7%	+2.0%	+12.1%
청도군	1239.9	1244.9	1183.9	1316.7	1292.5	1345.0	1469.2	1329.2	1477.8	1214.4	1304.6	1403.5
		+0.4%	-4.5%	+6.2%	+4.2%	+8.5%	+18.5%	+7.2%	+19.2%	-2.0%	+5.2%	+13.2%
청송군	1044.5	1061.2	1001.1	1095.3	1086.2	1090.9	1218.5	1165.7	1283.6	1031.2	1090.8	1224.7
		+1.6%	-4.1%	+4.9%	+4.0%	+4.4%	+16.7%	+11.6%	+22.9%	-1.3%	+4.4%	+17.3%
칠곡군	1106.3	1066.8	1044.3	1114.5	1135.6	1141.2	1247.2	1164.2	1263.8	1055.5	1125.1	1214.0
		-3.6%	-5.6%	+0.7%	+2.6%	+3.2%	+12.7%	+5.2%	+14.2%	-4.6%	+1.7%	+9.7%
포항시	1202.6	1228.0	1161.9	1313.0	1253.8	1340.6	1475.1	1374.7	1523.0	1194.9	1283.4	1448.9
		+2.1%	-3.4%	+9.2%	+4.3%	+11.5%	+22.7%	+14.3%	+26.6%	-0.6%	+6.7%	+20.5%

표 4-29. 경상북도의 계절별 강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP1-2.6)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	227.3	615.4	280.8	94.3	216.7	656.3	243.8	87.5	219.5	592.4	271.1	96.3
	+3.2%	+3.2%	+4.6%	+12.3%	-1.6%	+10.1%	-9.2%	+4.2%	-0.3%	-0.6%	+1.0%	+14.6%
경산시	219.5	620.4	233.7	74.5	210.5	664.2	198.5	66.9	208.8	580.4	234.6	75.6
	+3.8%	+6.5%	-2.1%	+13.6%	-0.5%	+14.1%	-16.9%	+2.0%	-1.3%	-0.3%	-1.7%	+15.2%
경주시	234.6	577.0	295.9	95.7	221.1	628.2	263.5	84.1	221.0	546.8	298.7	98.2
	+4.4%	+6.0%	+1.3%	+13.8%	-1.6%	+15.5%	-9.8%	+0.0%	-1.7%	+0.5%	+2.2%	+16.8%
고령군	240.5	688.7	274.1	74.1	228.6	747.2	235.7	67.0	223.4	669.4	262.0	78.6
	+7.3%	+1.8%	+1.6%	+9.3%	+2.0%	+10.4%	-12.7%	-1.2%	-0.3%	-1.1%	-2.9%	+15.9%
구미시	209.3	608.6	257.0	68.3	196.1	638.3	215.2	63.7	201.2	576.3	239.4	73.1
	+4.6%	+1.9%	+5.2%	+9.8%	-2.0%	+6.8%	-11.9%	+2.4%	+0.5%	-3.5%	-2.0%	+17.5%
군위군	207.1	587.3	227.9	63.8	195.4	628.6	191.1	57.8	199.4	557.1	226.8	65.7
	+4.1%	+3.4%	-0.2%	+12.9%	-1.8%	+10.6%	-16.3%	+2.3%	+0.2%	-1.9%	-0.6%	+16.3%
김천시	211.6	630.1	292.1	74.7	199.3	642.4	234.0	70.2	201.8	587.1	256.0	82.8
	+4.2%	+2.4%	+12.4%	+7.6%	-1.9%	+4.4%	-10.0%	+1.2%	-0.6%	-4.6%	-1.5%	+19.3%
문경시	229.6	671.8	253.4	82.3	224.9	719.3	232.1	76.9	230.2	659.2	233.3	84.0
	+1.9%	-2.9%	+7.6%	+16.2%	-0.2%	+3.9%	-1.4%	+8.6%	+2.1%	-4.7%	-0.9%	+18.6%
봉화군	230.5	678.2	261.5	74.0	225.4	704.3	238.2	68.3	229.6	667.2	254.8	75.0
	+1.7%	+2.4%	+10.3%	+16.5%	-0.6%	+6.4%	+0.5%	+7.6%	+1.3%	+0.8%	+7.5%	+18.1%
상주시	221.4	652.1	261.4	82.6	213.6	686.1	228.0	78.1	217.6	629.9	236.8	87.5
	+2.7%	-1.9%	+8.8%	+12.5%	-0.9%	+3.2%	-5.1%	+6.4%	+0.9%	-5.2%	-1.4%	+19.2%
성주군	223.7	648.1	274.6	69.3	210.0	686.7	231.3	63.7	209.4	620.9	255.5	74.5
	+6.0%	+2.6%	+3.2%	+8.5%	-0.5%	+8.7%	-13.0%	-0.3%	-0.7%	-1.7%	-3.9%	+16.6%
안동시	208.8	591.4	229.9	70.7	201.9	621.7	199.2	66.4	206.6	569.8	220.6	72.0
	+2.3%	+1.1%	+7.5%	+16.7%	-1.1%	+6.3%	-6.8%	+9.6%	+1.2%	-2.6%	+3.2%	+18.8%
영덕군	214.2	537.7	335.1	106.3	200.0	581.4	280.9	92.9	203.3	513.4	320.0	106.7
	+3.3%	+8.1%	+7.3%	+23.7%	-3.6%	+16.9%	-10.0%	+8.1%	-2.0%	+3.2%	+2.5%	+24.2%
영양군	224.5	613.1	278.5	80.5	212.4	653.4	230.3	72.7	215.5	602.8	265.2	81.5
	+1.5%	+3.2%	+9.8%	+15.8%	-4.0%	+10.0%	-9.2%	+4.6%	-2.6%	+1.4%	+4.5%	+17.3%
영주시	225.8	650.1	247.6	73.2	222.6	682.1	232.4	69.2	229.6	626.0	234.9	74.7
	+2.3%	+0.7%	+9.8%	+19.2%	+0.9%	+5.7%	+3.1%	+12.7%	+4.0%	-3.0%	+4.2%	+21.7%
영천시	222.0	608.8	233.4	73.4	208.3	655.8	198.2	65.4	211.2	569.6	235.3	74.6
	+3.2%	+6.8%	-0.9%	+13.6%	-3.2%	+15.0%	-15.9%	+1.2%	-1.8%	-0.1%	-0.1%	+15.5%
예천군	222.6	638.7	244.4	76.2	216.1	682.7	219.6	70.8	221.3	622.8	224.5	77.0
	+2.5%	-3.1%	+8.6%	+18.9%	-0.5%	+3.6%	-2.4%	+10.5%	+1.9%	-5.5%	-0.3%	+20.1%
울릉군	323.5	568.2	460.1	393.8	323.4	612.3	453.7	408.5	327.8	582.1	476.9	389.9
	-1.4%	+8.0%	-1.5%	+1.2%	-1.4%	+16.4%	-2.8%	+5.0%	-0.1%	+10.7%	+2.1%	+0.2%
울진군	219.5	592.1	399.7	121.2	203.5	635.2	337.2	107.0	212.1	595.6	381.9	120.8
	+2.3%	+7.1%	+10.4%	+19.4%	-5.2%	+14.9%	-6.9%	+5.4%	-1.2%	+7.7%	+5.5%	+19.0%
의성군	198.9	572.5	228.4	64.8	188.4	600.9	191.4	59.9	193.4	543.1	218.0	66.1
	+3.6%	+1.5%	+5.0%	+15.7%	-1.8%	+6.5%	-12.0%	+7.0%	+0.8%	-3.7%	+0.2%	+18.0%
청도군	253.4	684.3	270.1	85.9	243.8	735.4	227.6	75.3	241.9	644.3	265.1	88.0
	+3.6%	+5.1%	+0.0%	+13.6%	-0.3%	+12.9%	-15.7%	-0.4%	-1.1%	-1.1%	-1.8%	+16.4%
청송군	204.6	568.5	247.1	72.6	192.6	614.3	203.6	64.5	196.5	542.6	243.0	72.9
	+1.4%	+4.2%	+4.3%	+17.3%	-4.5%	+12.6%	-14.0%	+4.2%	-2.6%	-0.6%	+2.6%	+17.8%
칠곡군	213.5	612.1	248.4	65.0	201.0	656.3	210.7	59.4	203.2	587.6	238.0	68.1
	+4.5%	+2.3%	+0.5%	+11.5%	-1.6%	+9.7%	-14.7%	+1.9%	-0.5%	-1.8%	-3.7%	+16.8%
포항시	248.0	585.3	341.7	110.1	230.8	636.9	298.5	95.8	231.9	561.8	341.9	112.3
	+5.3%	+8.0%	+3.1%	+16.0%	-2.0%	+17.5%	-9.9%	+0.9%	-1.6%	+3.7%	+3.2%	+18.3%

표 4-30. 경상북도의 계절별 강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP2-4.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	234.2	631.2	269.9	84.7	234.6	638.2	256.6	99.0	291.5	626.7	293.1	81.9
	+6.4%	+5.9%	+0.6%	+0.8%	+6.5%	+7.0%	-4.4%	+17.9%	+32.4%	+5.1%	+9.2%	-2.5%
경산시	221.4	617.0	225.8	64.4	217.6	614.5	210.4	76.9	278.1	612.1	248.4	66.7
	+4.7%	+6.0%	-5.4%	-1.8%	+2.9%	+5.5%	-11.9%	+17.2%	+31.5%	+5.1%	+4.0%	+1.7%
경주시	229.9	600.0	282.3	81.8	225.4	586.1	278.2	95.7	299.9	589.8	307.5	85.0
	+2.3%	+10.3%	-3.4%	-2.7%	+0.3%	+7.7%	-4.8%	+13.8%	+33.4%	+8.4%	+5.2%	+1.1%
고령군	238.0	707.0	264.9	64.4	236.8	695.9	249.6	77.3	298.2	682.6	282.1	68.9
	+6.2%	+4.5%	-1.8%	-5.0%	+5.7%	+2.9%	-7.5%	+14.0%	+33.1%	+0.9%	+4.5%	+1.6%
구미시	213.5	613.6	246.3	61.3	213.5	613.3	228.8	73.6	268.4	591.6	246.0	61.0
	+6.7%	+2.7%	+0.9%	-1.4%	+6.7%	+2.6%	-6.3%	+18.3%	+34.1%	-1.0%	+0.7%	-1.9%
군위군	212.1	588.4	226.1	55.8	212.7	597.0	209.6	68.4	266.1	578.3	234.7	55.8
	+6.6%	+3.6%	-1.0%	-1.2%	+6.9%	+5.1%	-8.2%	+21.1%	+33.7%	+1.8%	+2.8%	-1.2%
김천시	216.8	621.4	270.1	68.4	213.5	625.8	249.9	79.9	271.6	602.3	268.7	66.9
	+6.7%	+1.0%	+3.9%	-1.4%	+5.1%	+1.7%	-3.8%	+15.1%	+33.7%	-2.1%	+3.4%	-3.6%
문경시	249.9	702.5	236.8	74.8	256.5	726.1	221.2	90.1	308.9	684.0	272.3	70.4
	+10.9%	+1.5%	+0.6%	+5.6%	+13.8%	+4.9%	-6.0%	+27.3%	+37.0%	-1.2%	+15.7%	-0.6%
봉화군	243.4	703.5	243.9	64.4	251.2	719.6	241.1	82.8	299.5	715.5	274.9	58.6
	+7.4%	+6.3%	+2.9%	+1.4%	+10.8%	+8.7%	+1.7%	+30.4%	+32.1%	+8.1%	+16.0%	-7.7%
상주시	236.3	669.8	245.3	76.7	239.2	692.7	225.0	89.9	294.7	651.3	266.7	72.0
	+9.6%	+0.8%	+2.1%	+4.5%	+10.9%	+4.2%	-6.3%	+22.5%	+36.7%	-2.0%	+11.0%	-1.9%
성주군	223.6	652.1	264.1	61.0	221.5	645.1	245.1	73.2	278.4	631.6	266.4	63.7
	+6.0%	+3.2%	-0.7%	-4.5%	+5.0%	+2.1%	-7.8%	+14.6%	+31.9%	+0.0%	+0.2%	-0.3%
안동시	223.5	609.4	218.4	62.6	229.0	629.1	210.3	79.1	277.7	598.7	250.1	58.2
	+9.5%	+4.2%	+2.2%	+3.3%	+12.1%	+7.5%	-1.6%	+30.5%	+36.0%	+2.3%	+17.0%	-4.0%
영덕군	217.5	569.6	321.1	90.0	213.0	578.4	316.4	105.0	276.0	594.9	352.9	85.9
	+4.9%	+14.5%	+2.9%	+4.8%	+2.7%	+16.3%	+1.3%	+22.2%	+33.1%	+19.6%	+13.0%	+0.0%
영양군	234.0	636.8	270.4	69.2	236.7	662.3	254.6	88.6	292.0	658.8	296.2	63.8
	+5.8%	+7.2%	+6.6%	-0.4%	+7.0%	+11.5%	+0.4%	+27.5%	+32.0%	+10.9%	+16.8%	-8.2%
영주시	244.1	673.1	230.8	63.9	253.8	685.5	222.9	82.5	300.0	660.2	267.4	60.8
	+10.6%	+4.3%	+2.4%	+4.1%	+15.0%	+6.2%	-1.1%	+34.4%	+35.9%	+2.3%	+18.6%	-1.0%
영천시	224.7	604.3	226.2	63.5	220.9	603.9	207.3	75.1	280.5	606.8	243.4	63.4
	+4.5%	+6.0%	-4.0%	-1.7%	+2.7%	+5.9%	-12.0%	+16.3%	+30.4%	+6.4%	+3.3%	-1.8%
예천군	237.7	667.6	226.4	67.6	248.1	679.5	215.9	84.0	297.3	650.1	260.2	64.6
	+9.5%	+1.3%	+0.6%	+5.5%	+14.3%	+3.1%	-4.1%	+31.0%	+36.9%	-1.4%	+15.6%	+0.8%
울릉군	348.6	568.4	484.3	400.8	347.5	599.4	451.8	407.5	386.4	607.1	547.7	363.8
	+6.3%	+8.1%	+3.7%	+3.0%	+5.9%	+14.0%	-3.2%	+4.7%	+17.8%	+15.4%	+17.3%	-6.5%
울진군	222.9	630.4	386.7	105.0	227.0	645.1	371.8	124.6	277.8	665.4	422.3	97.9
	+3.9%	+14.0%	+6.8%	+3.4%	+5.8%	+16.7%	+2.7%	+22.8%	+29.5%	+20.4%	+16.6%	-3.5%
의성군	207.4	579.7	219.8	56.8	210.3	598.2	207.7	70.2	262.2	568.9	236.6	55.0
	+8.1%	+2.7%	+1.0%	+1.4%	+9.6%	+6.0%	-4.5%	+25.4%	+36.6%	+0.8%	+8.7%	-1.8%
청도군	254.1	707.1	257.2	74.0	251.2	693.0	243.4	89.6	320.3	686.7	282.9	77.3
	+3.9%	+8.6%	-4.8%	-2.1%	+2.7%	+6.4%	-9.9%	+18.5%	+31.0%	+5.4%	+4.7%	+2.2%
청송군	212.4	586.6	241.4	61.7	210.4	598.6	227.9	75.9	266.3	588.3	259.6	58.6
	+5.3%	+7.5%	+1.9%	-0.3%	+4.3%	+9.7%	-3.7%	+22.6%	+32.0%	+7.8%	+9.6%	-5.3%
칠곡군	216.0	616.8	242.1	56.5	214.6	609.3	225.8	68.9	268.5	598.2	246.4	58.5
	+5.7%	+3.1%	-2.0%	-3.1%	+5.0%	+1.9%	-8.6%	+18.2%	+31.4%	+0.0%	-0.3%	+0.3%
포항시	245.8	611.8	322.9	93.5	239.3	609.2	321.6	107.8	313.6	609.0	349.7	94.0
	+4.3%	+12.9%	-2.6%	-1.5%	+1.6%	+12.4%	-2.9%	+13.6%	+33.1%	+12.4%	+5.5%	-0.9%

표 4-31. 경상북도의 계절별 강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP3-7.0)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	234.1	655.4	248.4	87.6	210.7	648.2	275.1	104.1	289.8	632.9	264.3	104.6
	+6.3%	+9.9%	-7.4%	+4.3%	-4.3%	+8.7%	+2.5%	+23.9%	+31.6%	+6.2%	-1.5%	+24.5%
경산시	222.1	639.4	207.0	66.3	197.1	653.5	238.5	83.6	275.7	640.4	217.6	83.2
	+5.0%	+9.8%	-13.3%	+1.1%	-6.8%	+12.2%	-0.1%	+27.4%	+30.4%	+10.0%	-8.9%	+26.8%
경주시	230.8	601.8	263.3	89.1	208.7	636.7	286.0	107.8	289.1	638.2	268.3	100.9
	+2.7%	+10.6%	-9.9%	+5.9%	-7.2%	+17.0%	-2.1%	+28.2%	+28.6%	+17.3%	-8.2%	+20.0%
고령군	240.4	716.3	238.7	66.1	213.7	709.1	279.0	87.9	307.4	689.5	255.5	87.0
	+7.3%	+5.9%	-11.5%	-2.5%	-4.6%	+4.8%	+3.4%	+29.6%	+37.2%	+1.9%	-5.3%	+28.3%
구미시	215.2	641.3	224.6	62.5	192.9	623.0	251.4	81.7	271.8	612.0	230.5	82.8
	+7.5%	+7.3%	-8.0%	+0.5%	-3.6%	+4.3%	+2.9%	+31.4%	+35.8%	+2.4%	-5.6%	+33.1%
군위군	212.1	615.7	205.0	57.3	190.1	605.4	226.0	72.4	265.5	591.2	216.5	75.2
	+6.6%	+8.4%	-10.2%	+1.4%	-4.5%	+6.6%	-1.0%	+28.1%	+33.4%	+4.1%	-5.2%	+33.1%
김천시	220.3	657.5	236.8	69.4	194.3	637.4	291.3	91.5	274.7	628.2	244.7	91.0
	+8.5%	+6.8%	-8.9%	+0.0%	-4.3%	+3.6%	+12.1%	+31.8%	+35.3%	+2.1%	-5.8%	+31.1%
문경시	247.0	744.7	232.9	78.2	214.9	696.4	256.5	93.3	310.8	652.9	244.3	101.7
	+9.6%	+7.6%	-1.1%	+10.5%	-4.6%	+0.6%	+9.0%	+31.8%	+37.9%	-5.7%	+3.8%	+43.6%
봉화군	246.5	734.2	224.5	69.0	219.5	696.0	249.0	82.9	300.2	682.9	254.4	85.4
	+8.7%	+10.9%	-5.3%	+8.7%	-3.2%	+5.1%	+5.1%	+30.6%	+32.4%	+3.1%	+7.3%	+34.5%
상주시	236.1	710.9	235.3	78.7	206.1	676.0	263.6	96.5	292.6	648.4	245.3	101.5
	+9.5%	+6.9%	-2.0%	+7.2%	-4.4%	+1.7%	+9.7%	+31.5%	+35.7%	-2.5%	+2.1%	+38.3%
성주군	224.4	673.5	236.3	62.5	199.4	659.4	279.8	83.2	289.1	640.0	244.9	83.2
	+6.4%	+6.6%	-11.2%	-2.2%	-5.5%	+4.4%	+5.2%	+30.2%	+37.0%	+1.3%	-7.9%	+30.2%
안동시	223.0	642.4	204.9	64.7	200.2	618.7	226.0	79.3	278.1	590.5	225.9	85.6
	+9.2%	+9.8%	-4.2%	+6.8%	-1.9%	+5.7%	+5.7%	+30.9%	+36.2%	+0.9%	+5.7%	+41.3%
영덕군	215.0	568.0	287.9	95.4	203.5	594.8	311.0	118.4	264.6	617.7	317.8	111.1
	+3.7%	+14.2%	-7.8%	+11.1%	-1.9%	+19.6%	-0.4%	+37.8%	+27.6%	+24.2%	+1.8%	+29.3%
영양군	235.6	668.7	238.9	72.4	217.0	650.9	262.9	90.9	287.6	647.8	269.6	91.7
	+6.5%	+12.5%	-5.8%	+4.2%	-1.9%	+9.5%	+3.6%	+30.8%	+30.0%	+9.0%	+6.3%	+31.9%
영주시	245.1	704.1	219.8	68.0	213.9	660.6	248.3	81.8	307.4	626.9	243.2	89.3
	+11.1%	+9.1%	-2.5%	+10.7%	-3.1%	+2.4%	+10.1%	+33.2%	+39.3%	-2.9%	+7.8%	+45.4%
영천시	223.0	628.3	206.3	65.4	199.2	640.7	234.0	81.5	274.4	622.5	218.2	81.1
	+3.7%	+10.2%	-12.4%	+1.2%	-7.4%	+12.4%	-0.7%	+26.2%	+27.6%	+9.2%	-7.4%	+25.5%
예천군	238.9	707.0	222.2	71.4	208.9	663.1	244.7	85.9	301.9	627.1	235.8	93.8
	+10.0%	+7.3%	-1.3%	+11.4%	-3.8%	+0.6%	+8.7%	+34.0%	+39.1%	-4.8%	+4.8%	+46.3%
울릉군	336.7	647.7	453.9	392.4	315.4	651.4	452.7	373.6	381.0	572.9	464.5	382.1
	+2.7%	+23.2%	-2.8%	+0.8%	-3.8%	+23.9%	-3.1%	-4.0%	+16.2%	+8.9%	-0.5%	-1.8%
울진군	228.5	637.1	341.6	110.7	218.3	660.8	374.9	135.4	272.6	680.3	390.2	130.3
	+6.5%	+15.2%	-5.7%	+9.1%	+1.7%	+19.5%	+3.5%	+33.4%	+27.0%	+23.1%	+7.8%	+28.4%
의성군	207.7	614.0	203.3	59.0	185.6	588.1	223.2	72.7	260.4	577.4	216.4	78.5
	+8.2%	+8.8%	-6.6%	+5.4%	-3.3%	+4.2%	+2.6%	+29.8%	+35.7%	+2.3%	-0.5%	+40.2%
청도군	254.3	710.6	235.5	77.5	226.0	729.6	269.5	97.2	317.0	712.6	248.0	94.1
	+4.0%	+9.1%	-12.8%	+2.5%	-7.6%	+12.0%	-0.2%	+28.6%	+29.7%	+9.4%	-8.2%	+24.5%
청송군	210.0	602.5	216.2	64.9	190.8	591.5	234.2	79.8	260.4	591.9	232.8	80.0
	+4.1%	+10.4%	-8.7%	+4.8%	-5.4%	+8.4%	-1.1%	+28.9%	+29.0%	+8.5%	-1.7%	+29.2%
칠곡군	217.2	637.6	218.2	58.0	194.9	633.0	249.8	76.1	277.1	610.0	223.6	76.7
	+6.3%	+6.6%	-11.7%	-0.5%	-4.6%	+5.8%	+1.1%	+30.5%	+35.6%	+2.0%	-9.5%	+31.6%
포항시	244.0	612.8	303.5	100.6	223.3	640.3	324.8	122.4	297.0	644.4	317.2	112.1
	+3.6%	+13.1%	-8.4%	+6.0%	-5.2%	+18.1%	-2.0%	+29.0%	+26.1%	+18.9%	-4.3%	+18.1%

표 4-32. 경상북도의 계절별 강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP5-8.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
경상북도	213.7	607.8	242.2	87.8	240.8	605.0	271.9	98.4	290.5	697.3	238.7	114.2
	-2.9%	+1.9%	-9.8%	+4.5%	+9.4%	+1.5%	+1.3%	+17.1%	+31.9%	+17.0%	-11.1%	+36.0%
경산시	203.1	584.8	208.2	69.3	234.7	590.8	242.9	76.2	273.8	684.9	194.0	94.0
	-4.0%	+0.4%	-12.8%	+5.6%	+11.0%	+1.5%	+1.7%	+16.2%	+29.5%	+17.6%	-18.8%	+43.3%
경주시	217.7	565.0	257.9	90.8	243.6	565.3	299.8	94.7	287.8	672.6	256.2	112.9
	-3.1%	+3.8%	-11.7%	+8.0%	+8.4%	+3.9%	+2.6%	+12.6%	+28.0%	+23.6%	-12.3%	+34.2%
고령군	225.1	651.9	228.4	71.5	253.0	658.5	268.9	78.1	298.9	741.1	230.9	98.1
	+0.4%	-3.6%	-15.4%	+5.5%	+12.9%	-2.7%	-0.4%	+15.2%	+33.4%	+9.5%	-14.4%	+44.7%
구미시	191.5	591.0	221.7	64.6	223.4	579.1	245.3	75.8	270.5	645.7	203.0	92.8
	-4.3%	-1.1%	-9.2%	+3.9%	+11.6%	-3.1%	+0.5%	+21.9%	+35.2%	+8.1%	-16.9%	+49.2%
군위군	188.3	564.1	206.8	59.1	219.5	556.9	228.0	67.9	263.1	639.6	184.5	84.8
	-5.4%	-0.7%	-9.4%	+4.6%	+10.3%	-2.0%	-0.1%	+20.2%	+32.2%	+12.6%	-19.2%	+50.1%
김천시	196.7	601.0	232.8	70.7	224.4	584.7	274.2	83.1	271.4	649.0	230.4	99.8
	-3.1%	-2.3%	-10.4%	+1.9%	+10.5%	-5.0%	+5.5%	+19.7%	+33.6%	+5.5%	-11.3%	+43.8%
문경시	225.2	713.3	217.8	73.1	250.8	688.7	220.6	92.2	309.7	733.9	206.4	109.5
	-0.1%	+3.1%	-7.5%	+3.2%	+11.3%	-0.5%	-6.3%	+30.2%	+37.4%	+6.0%	-12.3%	+54.7%
봉화군	224.0	683.7	218.4	68.3	248.1	681.9	232.5	81.3	302.9	767.7	211.6	95.2
	-1.2%	+3.3%	-7.8%	+7.6%	+9.4%	+3.0%	-1.9%	+28.0%	+33.6%	+15.9%	-10.7%	+49.9%
상주시	214.2	676.5	222.3	76.0	239.6	652.0	230.8	95.1	296.5	701.8	210.8	110.9
	-0.6%	+1.8%	-7.4%	+3.5%	+11.1%	-1.9%	-3.9%	+29.6%	+37.5%	+5.6%	-12.2%	+51.1%
성주군	205.9	611.5	228.0	67.0	236.8	605.9	267.9	73.9	280.1	688.4	224.3	93.7
	-2.4%	-3.2%	-14.3%	+4.9%	+12.2%	-4.1%	+0.7%	+15.6%	+32.7%	+8.9%	-15.7%	+46.6%
안동시	198.5	598.8	201.2	64.3	224.9	586.3	214.0	78.1	277.4	658.0	185.1	95.2
	-2.8%	+2.3%	-5.9%	+6.1%	+10.1%	+0.2%	+0.1%	+28.9%	+35.8%	+12.5%	-13.4%	+57.1%
영덕군	199.3	532.3	285.0	99.4	220.2	554.9	346.2	106.6	268.1	705.3	312.2	120.8
	-3.9%	+7.0%	-8.7%	+15.7%	+6.2%	+11.5%	+10.9%	+24.1%	+29.3%	+41.8%	+0.0%	+40.6%
영양군	213.3	621.8	238.2	76.2	236.1	623.3	270.3	86.5	285.2	741.9	222.4	102.0
	-3.6%	+4.6%	-6.1%	+9.6%	+6.7%	+4.9%	+6.5%	+24.5%	+28.9%	+24.9%	-12.3%	+46.8%
영주시	220.4	657.7	209.1	65.2	247.8	653.9	223.4	81.9	305.8	700.0	203.0	97.7
	-0.1%	+1.9%	-7.3%	+6.2%	+12.3%	+1.3%	-0.9%	+33.4%	+38.6%	+8.5%	-10.0%	+59.1%
영천시	203.2	575.4	209.2	68.0	232.1	575.1	240.8	74.7	275.8	676.2	197.2	91.9
	-5.5%	+0.9%	-11.2%	+5.3%	+7.9%	+0.9%	+2.2%	+15.6%	+28.2%	+18.6%	-16.3%	+42.3%
예천군	216.9	670.4	207.1	67.6	241.1	655.1	214.9	85.1	299.6	695.4	196.0	102.9
	-0.1%	+1.7%	-8.0%	+5.5%	+11.1%	-0.6%	-4.5%	+32.8%	+38.0%	+5.5%	-12.9%	+60.5%
울릉군	315.4	567.1	438.2	366.0	343.0	583.3	444.2	389.1	416.5	725.1	452.0	380.5
	-3.8%	+7.8%	-6.2%	-6.0%	+4.6%	+10.9%	-4.9%	+0.0%	+27.0%	+37.9%	-3.2%	-2.2%
울진군	209.1	599.6	326.6	115.4	230.5	616.0	384.2	123.9	283.0	785.6	372.3	136.4
	-2.6%	+8.5%	-9.8%	+13.7%	+7.4%	+11.4%	+6.1%	+22.1%	+31.9%	+42.1%	+2.8%	+34.4%
의성군	184.5	567.2	202.0	58.8	211.9	549.3	216.1	71.1	259.6	623.3	181.8	87.6
	-3.8%	+0.5%	-7.2%	+5.0%	+10.4%	-2.6%	-0.7%	+27.0%	+35.3%	+10.5%	-16.4%	+56.4%
청도군	239.0	662.2	234.6	80.2	268.6	675.7	271.3	88.4	313.9	756.7	223.3	108.6
	-2.2%	+1.7%	-13.1%	+6.1%	+9.9%	+3.7%	+0.4%	+16.9%	+28.4%	+16.2%	-17.3%	+43.7%
청송군	190.3	559.4	216.8	65.9	213.9	554.6	247.0	74.5	257.0	668.6	207.8	90.2
	-5.7%	+2.5%	-8.4%	+6.5%	+6.0%	+1.6%	+4.3%	+20.4%	+27.4%	+22.5%	-12.2%	+45.7%
칠곡군	194.7	583.0	217.5	61.7	228.1	580.9	246.9	68.7	271.9	657.1	197.6	86.7
	-4.7%	-2.5%	-12.0%	+5.8%	+11.6%	-2.9%	-0.1%	+17.8%	+33.1%	+9.8%	-20.0%	+48.7%
포항시	226.1	575.0	291.5	103.8	253.3	574.6	347.0	107.3	301.2	708.3	312.8	124.0
	-4.0%	+6.1%	-12.0%	+9.4%	+7.5%	+6.0%	+4.7%	+13.1%	+27.8%	+30.7%	-5.6%	+30.7%

2. 극한기후지수

1) 고온 극한기후지수

여름철 최고기온 관련 지수

- SSP 시나리오에 따른 경상북도 폭염일수는 현재(2000-2019년, 17.2일) 대비 21세기 중반기에 16.7~27.0일, 21세기 후반기에 20.1~77.2일 증가하고, 일최고기온 연최대는 현재(35.8℃) 대비 21세기 중반기에 3.1~4.1℃, 21세기 후반기에 3.0~8.1℃ 증가할 것으로 전망됨.
 - SSP1-2.6 시나리오에서 경상북도 폭염일수는 현재 대비 21세기 중/후반기에 16.7일, 20.1일 증가하고, 일최고기온 연최대는 21세기 중/후반기에 3.1℃, 3.0℃ 증가할 것으로 전망됨.
 - SSP2-4.5 시나리오에서 경상북도 폭염일수는 현재 대비 21세기 중/후반기에 20.0일, 34.0일 증가하고, 일최고기온 연최대는 21세기 중/후반기에 3.4℃, 4.7℃ 증가할 것으로 전망됨.
 - SSP3-7.0 시나리오에서 경상북도 폭염일수는 현재 대비 21세기 중/후반기에 27.0일, 61.1일 증가하고, 일최고기온 연최대는 21세기 중/후반기에 4.0℃, 6.9℃ 증가할 것으로 전망됨.
 - SSP5-8.5 시나리오에서 경상북도 폭염일수는 현재 대비 21세기 중/후반기에 26.9일, 77.2일 증가하고, 일최고기온 연최대는 21세기 중/후반기에 4.1℃, 8.1℃ 증가할 것으로 전망됨.
- SSP5-8.5 시나리오에서 현재 대비 21세기 후반기 경상북도 폭염일수 증가폭(+77.2일)은 SSP1-2.6 시나리오에서의 증가폭(+20.1일) 보다 57.1일 크게 나타나며, SSP5-8.5 시나리오에서 21세기 후반기 일최고기온 연최대 증가폭(+8.1℃)은 SSP1-2.6 시나리오에서의 증가폭(+3.0℃) 보다 5.1℃ 크게 나타남.
 - SSP5-8.5에서 21세기 후반기 경상북도 내 폭염일수 증가폭이 가장 큰 지역은 구미시(+90.0일)이며 가장 작은 지역은 울릉군(+31.9일)으로 나타남.
 - SSP5-8.5에서 21세기 후반기 경상북도 내 일최고기온 연최대 증가폭이 가장 큰 지역은 김천시(+9.2℃)이며 가장 작은 지역은 울릉군(+4.4℃)으로 나타남.

여름철 최저기온 관련 지수

- SSP 시나리오에 따른 경상북도 열대야일수는 현재(2000-2019년, 2.6일) 대비 21세기 중반기에 19.7~27.9일, 21세기 후반기에 20.4~67.3일 증가하고, 일최저기온 연최대는 현재(25.0℃) 대비 21세기 중반기에 2.9~3.8℃, 21세기 후반기에 3.0~6.8℃ 증가할 것으로 전망됨.
 - SSP1-2.6 시나리오에서 경상북도 열대야일수는 현재 대비 21세기 중/후반기에 19.7일, 20.4일 증가하고, 일최저기온 연최대는 21세기 중/후반기에 2.9℃, 3.0℃ 증가할 것으로 전망됨.
 - SSP2-4.5 시나리오에서 경상북도 열대야일수는 현재 대비 21세기 중/후반기에 23.2일, 36.3일 증가하고, 일최저기온 연최대는 21세기 중/후반기에 3.3℃, 4.2℃ 증가할 것으로 전망됨.
 - SSP3-7.0 시나리오에서 경상북도 열대야일수는 현재 대비 21세기 중/후반기에 26.4일, 55.4일 증가하고, 일최저기온 연최대는 21세기 중/후반기에 3.5℃, 5.8℃ 증가할 것으로 전망됨.

- SSP5-8.5 시나리오에서 경상북도 열대야일수는 현재 대비 21세기 중/후반기에 27.9일, 67.3일 증가하고, 일최저기온 연최대는 21세기 중/후반기에 3.8℃, 6.8℃ 증가할 것으로 전망됨.
- SSP5-8.5 시나리오에서 현재 대비 21세기 후반기 경상북도 열대야일수 증가폭(+67.3일)은 SSP1-2.6 시나리오에서의 증가폭(+20.4일) 보다 46.9일 크게 나타나며, SSP5-8.5 시나리오에서 21세기 후반기 일최저기온 연최대 증가폭(+6.8℃)은 SSP1-2.6 시나리오에서의 증가폭(+3.0℃) 보다 3.8℃ 크게 나타남.
- SSP5-8.5에서 21세기 후반기 경상북도 내 열대야일수 증가폭이 가장 큰 지역은 포항시(+78.2일)이며 가장 작은 지역은 봉화군(+47.4일)으로 나타남.
- SSP5-8.5에서 21세기 후반기 경상북도 내 일최저기온 연최대 증가폭이 가장 큰 지역은 상주시(+7.6℃)이며 가장 작은 지역은 울릉군(+5.4℃)으로 나타남.

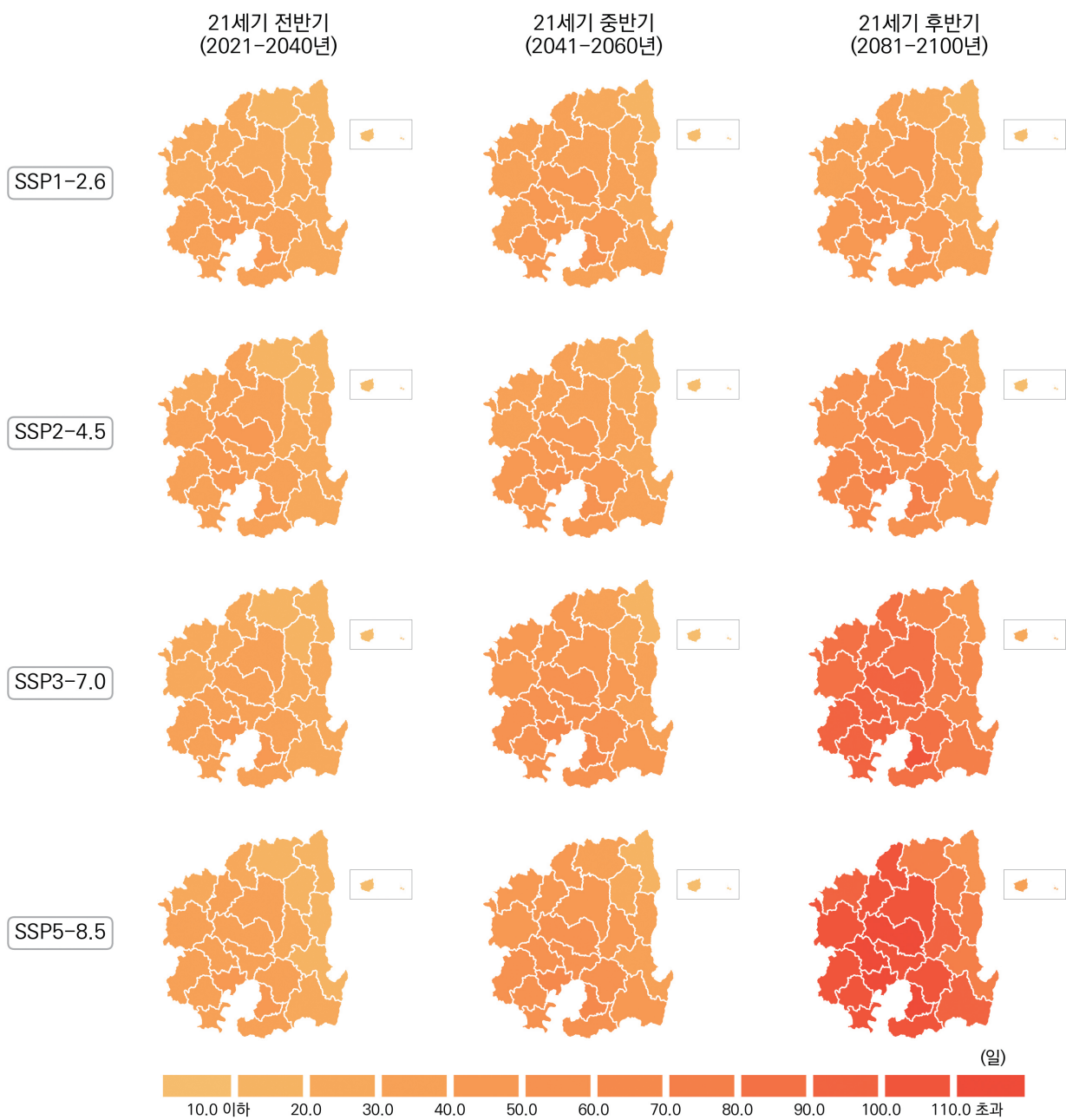


그림 4-18. 경상북도의 폭염일수(일) 전망 분포도

표 4-33. 경상북도의 폭염일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	17.2	26.6	28.9	35.5	32.3	34.2	34.5	39.9	34.7	27.7	33.9	37.3
		+9.4	+11.7	+18.3	+15.1	+17.0	+17.3	+22.7	+17.5	+10.5	+16.7	+20.1
경산시	33.4	43.4	46.6	54.6	51.1	53.8	55.6	62.2	57.3	45.0	52.8	59.7
		+10.0	+13.2	+21.2	+17.7	+20.4	+22.2	+28.8	+23.9	+11.6	+19.4	+26.3
경주시	19.5	25.8	28.2	33.9	31.5	33.5	33.3	39.7	31.6	27.0	32.7	35.7
		+6.3	+8.7	+14.4	+12.0	+14.0	+13.8	+20.2	+12.1	+7.5	+13.2	+16.2
고령군	22.3	32.6	36.7	43.1	40.0	43.2	44.4	49.5	45.7	34.6	41.6	47.6
		+10.3	+14.4	+20.8	+17.7	+20.9	+22.1	+27.2	+23.4	+12.3	+19.3	+25.3
구미시	22.0	35.6	38.3	46.3	42.4	45.6	46.4	52.1	48.6	37.0	44.4	50.4
		+13.6	+16.3	+24.3	+20.4	+23.6	+24.4	+30.1	+26.6	+15.0	+22.4	+28.4
군위군	19.7	31.3	33.6	41.6	37.6	40.6	40.6	46.8	42.1	32.5	39.6	44.4
		+11.6	+13.9	+21.9	+17.9	+20.9	+20.9	+27.1	+22.4	+12.8	+19.9	+24.7
김천시	19.9	31.5	34.8	41.5	38.4	41.4	42.2	47.0	44.2	33.2	40.0	45.6
		+11.6	+14.9	+21.6	+18.5	+21.5	+22.3	+27.1	+24.3	+13.3	+20.1	+25.7
문경시	14.0	24.1	26.9	34.1	30.9	32.9	33.2	37.8	34.3	25.5	32.5	36.0
		+10.1	+12.9	+20.1	+16.9	+18.9	+19.2	+23.8	+20.3	+11.5	+18.5	+22.0
봉화군	7.6	17.3	17.9	24.7	21.7	22.5	21.4	26.0	21.0	17.6	23.2	23.5
		+9.7	+10.3	+17.1	+14.1	+14.9	+13.8	+18.4	+13.4	+10.0	+15.6	+15.9
상주시	15.4	26.6	29.5	36.5	33.5	36.1	36.4	41.1	37.6	28.1	35.0	39.4
		+11.2	+14.1	+21.1	+18.1	+20.7	+21.0	+25.7	+22.2	+12.7	+19.6	+24.0
성주군	21.8	32.7	36.5	42.9	39.8	42.9	44.1	48.9	45.6	34.6	41.3	47.2
		+10.9	+14.7	+21.1	+18.0	+21.1	+22.3	+27.1	+23.8	+12.8	+19.5	+25.4
안동시	16.9	29.0	31.0	39.4	35.0	37.7	37.3	42.8	38.3	30.0	37.2	40.6
		+12.1	+14.1	+22.5	+18.1	+20.8	+20.4	+25.9	+21.4	+13.1	+20.3	+23.7
영덕군	15.2	20.4	22.3	27.2	24.4	24.1	24.6	31.3	21.1	21.3	25.8	26.2
		+5.2	+7.1	+12.0	+9.2	+8.9	+9.4	+16.1	+5.9	+6.1	+10.6	+11.0
영양군	6.5	16.2	16.6	22.2	19.6	19.7	19.6	24.3	18.3	16.4	20.9	21.3
		+9.7	+10.1	+15.7	+13.1	+13.2	+13.1	+17.8	+11.8	+9.9	+14.4	+14.8
영주시	14.8	26.6	28.7	36.8	32.9	35.0	35.1	39.8	35.5	27.7	34.8	37.6
		+11.8	+13.9	+22.0	+18.1	+20.2	+20.3	+25.0	+20.7	+12.9	+20.0	+22.8
영천시	24.7	34.0	36.7	44.2	40.8	43.6	44.4	50.7	44.5	35.4	42.5	47.6
		+9.3	+12.0	+19.5	+16.1	+18.9	+19.7	+26.0	+19.8	+10.7	+17.8	+22.9
예천군	16.3	27.8	30.3	38.0	34.5	36.7	37.0	42.0	38.1	29.1	36.3	40.0
		+11.5	+14.0	+21.7	+18.2	+20.4	+20.7	+25.7	+21.8	+12.8	+20.0	+23.7
울릉군	1.0	0.8	1.6	3.6	3.2	2.3	2.0	4.7	1.4	1.2	3.4	3.0
		-0.2	+0.6	+2.6	+2.2	+1.3	+1.0	+3.7	+0.4	+0.2	+2.4	+2.0
울진군	6.5	10.8	11.0	15.6	12.8	12.7	12.6	17.3	9.9	10.9	14.2	13.6
		+4.3	+4.5	+9.1	+6.3	+6.2	+6.1	+10.8	+3.4	+4.4	+7.7	+7.1
의성군	22.8	35.8	38.3	46.1	41.8	45.5	45.7	51.9	47.6	37.1	43.9	49.7
		+13.0	+15.5	+23.3	+19.0	+22.7	+22.9	+29.1	+24.8	+14.3	+21.1	+26.9
청도군	21.9	31.0	34.4	41.2	38.2	40.6	41.3	47.2	42.5	32.7	39.7	44.9
		+9.1	+12.5	+19.3	+16.3	+18.7	+19.4	+25.3	+20.6	+10.8	+17.8	+23.0
청송군	15.1	25.3	27.0	34.4	30.5	32.2	32.2	37.8	31.3	26.2	32.5	34.5
		+10.2	+11.9	+19.3	+15.4	+17.1	+17.1	+22.7	+16.2	+11.1	+17.4	+19.4
칠곡군	26.8	39.5	42.9	50.5	46.8	49.9	51.1	57.2	53.5	41.2	48.6	55.3
		+12.7	+16.1	+23.7	+20.0	+23.1	+24.3	+30.4	+26.7	+14.4	+21.8	+28.5
포항시	14.6	19.7	21.5	26.5	24.0	24.2	23.9	30.3	21.3	20.6	25.2	25.8
		+5.1	+6.9	+11.9	+9.4	+9.6	+9.3	+15.7	+6.7	+6.0	+10.6	+11.2

표 4-34. 경상북도의 폭염일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	17.2	27.7	33.2	36.3	38.2	46.6	44.0	47.8	54.6	30.5	37.2	51.2
		+10.5	+16.0	+19.1	+21.0	+29.4	+26.8	+30.6	+37.4	+13.3	+20.0	+34.0
경산시	33.4	45.6	52.5	57.8	59.8	69.1	66.0	71.5	77.2	49.1	58.8	74.3
		+12.2	+19.1	+24.4	+26.4	+35.7	+32.6	+38.1	+43.8	+15.7	+25.4	+40.9
경주시	19.5	27.1	32.2	35.2	37.3	44.8	43.6	45.9	53.3	29.6	36.2	49.6
		+7.6	+12.7	+15.7	+17.8	+25.3	+24.1	+26.4	+33.8	+10.1	+16.7	+30.1
고령군	22.3	35.3	41.4	45.8	48.1	56.7	54.3	59.4	65.5	38.3	47.0	62.5
		+13.0	+19.1	+23.5	+25.8	+34.4	+32.0	+37.1	+43.2	+16.0	+24.7	+40.2
구미시	22.0	37.2	44.3	47.8	50.5	59.8	56.3	61.6	68.5	40.7	49.1	65.0
		+15.2	+22.3	+25.8	+28.5	+37.8	+34.3	+39.6	+46.5	+18.7	+27.1	+43.0
군위군	19.7	32.6	39.5	42.5	44.1	53.8	50.5	54.7	62.0	36.0	43.3	58.3
		+12.9	+19.8	+22.8	+24.4	+34.1	+30.8	+35.0	+42.3	+16.3	+23.6	+38.6
김천시	19.9	33.2	39.8	43.7	46.1	54.8	51.6	56.8	63.5	36.5	44.9	60.2
		+13.3	+19.9	+23.8	+26.2	+34.9	+31.7	+36.9	+43.6	+16.6	+25.0	+40.3
문경시	14.0	25.0	31.5	33.7	36.6	46.3	42.4	46.4	54.1	28.3	35.2	50.3
		+11.0	+17.5	+19.7	+22.6	+32.3	+28.4	+32.4	+40.1	+14.3	+21.2	+36.3
봉화군	7.6	17.5	22.3	23.3	25.8	34.4	31.2	33.9	40.2	19.9	24.6	37.0
		+9.9	+14.7	+15.7	+18.2	+26.8	+23.6	+26.3	+32.6	+12.3	+17.0	+29.4
상주시	15.4	27.7	34.2	37.2	39.5	49.5	45.2	50.0	56.9	30.9	38.3	53.5
		+12.3	+18.8	+21.8	+24.1	+34.1	+29.8	+34.6	+41.5	+15.5	+22.9	+38.1
성주군	21.8	35.1	41.2	45.4	47.9	56.5	53.6	58.9	65.2	38.2	46.6	62.0
		+13.3	+19.4	+23.6	+26.1	+34.7	+31.8	+37.1	+43.4	+16.4	+24.8	+40.2
안동시	16.9	29.6	36.4	38.8	40.9	50.8	47.2	51.1	59.2	33.0	39.8	55.1
		+12.7	+19.5	+21.9	+24.0	+33.9	+30.3	+34.2	+42.3	+16.1	+22.9	+38.2
영덕군	15.2	20.7	24.4	27.6	28.3	35.9	35.0	37.7	45.5	22.5	27.9	41.6
		+5.5	+9.2	+12.4	+13.1	+20.7	+19.8	+22.5	+30.3	+7.3	+12.7	+26.4
영양군	6.5	16.0	20.7	21.9	23.0	30.2	28.3	30.8	35.7	18.4	22.5	33.3
		+9.5	+14.2	+15.4	+16.5	+23.7	+21.8	+24.3	+29.2	+11.9	+16.0	+26.8
영주시	14.8	27.2	34.0	35.9	39.4	48.9	44.6	48.6	56.7	30.6	37.6	52.6
		+12.4	+19.2	+21.1	+24.6	+34.1	+29.8	+33.8	+41.9	+15.8	+22.8	+37.8
영천시	24.7	36.0	42.4	46.3	48.1	57.4	54.8	58.6	65.8	39.2	47.2	62.2
		+11.3	+17.7	+21.6	+23.4	+32.7	+30.1	+33.9	+41.1	+14.5	+22.5	+37.5
예천군	16.3	28.6	35.5	37.6	40.5	50.4	46.3	50.6	58.4	32.0	39.0	54.5
		+12.3	+19.2	+21.3	+24.2	+34.1	+30.0	+34.3	+42.1	+15.7	+22.7	+38.2
울릉군	1.0	1.9	1.6	3.4	3.8	5.7	6.3	7.3	12.5	1.7	3.6	9.9
		+0.9	+0.6	+2.4	+2.8	+4.7	+5.3	+6.3	+11.5	+0.7	+2.6	+8.9
울진군	6.5	10.5	13.4	15.5	16.0	21.8	21.7	24.0	29.1	11.9	15.7	26.6
		+4.0	+6.9	+9.0	+9.5	+15.3	+15.2	+17.5	+22.6	+5.4	+9.2	+20.1
의성군	22.8	36.8	44.2	47.4	49.5	59.3	55.5	60.3	67.7	40.5	48.4	64.0
		+14.0	+21.4	+24.6	+26.7	+36.5	+32.7	+37.5	+44.9	+17.7	+25.6	+41.2
청도군	21.9	33.2	39.0	43.5	45.0	54.2	51.5	55.6	62.2	36.1	44.2	58.9
		+11.3	+17.1	+21.6	+23.1	+32.3	+29.6	+33.7	+40.3	+14.2	+22.3	+37.0
청송군	15.1	26.3	31.6	34.0	35.3	44.1	41.5	44.5	52.0	29.0	34.7	48.3
		+11.2	+16.5	+18.9	+20.2	+29.0	+26.4	+29.4	+36.9	+13.9	+19.6	+33.2
칠곡군	26.8	41.8	48.5	52.8	55.4	64.7	61.1	67.0	73.3	45.1	54.1	70.2
		+15.0	+21.7	+26.0	+28.6	+37.9	+34.3	+40.2	+46.5	+18.3	+27.3	+43.4
포항시	14.6	20.1	23.8	26.9	27.7	35.0	34.3	36.6	43.2	21.9	27.3	39.9
		+5.5	+9.2	+12.3	+13.1	+20.4	+19.7	+22.0	+28.6	+7.3	+12.7	+25.3

표 4-35. 경상북도의 폭염일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	17.2	27.2	30.5	40.7	47.7	54.1	61.5	74.7	81.8	28.8	44.2	78.3
		+10.0	+13.3	+23.5	+30.5	+36.9	+44.3	+57.5	+64.6	+11.6	+27.0	+61.1
경산시	33.4	46.9	49.2	61.9	69.4	74.6	83.8	98.6	105.7	48.0	65.6	102.2
		+13.5	+15.8	+28.5	+36.0	+41.2	+50.4	+65.2	+72.3	+14.6	+32.2	+68.8
경주시	19.5	25.7	30.7	38.6	45.6	52.0	60.1	72.1	78.4	28.2	42.1	75.3
		+6.2	+11.2	+19.1	+26.1	+32.5	+40.6	+52.6	+58.9	+8.7	+22.6	+55.8
고령군	22.3	34.7	38.1	50.6	57.9	64.6	72.7	88.5	96.9	36.4	54.2	92.7
		+12.4	+15.8	+28.3	+35.6	+42.3	+50.4	+66.2	+74.6	+14.1	+31.9	+70.4
구미시	22.0	37.3	39.8	54.2	61.1	67.8	75.3	91.2	99.7	38.6	57.6	95.4
		+15.3	+17.8	+32.2	+39.1	+45.8	+53.3	+69.2	+77.7	+16.6	+35.6	+73.4
군위군	19.7	32.9	35.3	48.1	55.1	61.6	69.1	83.4	91.6	34.1	51.6	87.5
		+13.2	+15.6	+28.4	+35.4	+41.9	+49.4	+63.7	+71.9	+14.4	+31.9	+67.8
김천시	19.9	33.0	35.8	48.9	55.9	63.4	70.3	86.5	94.7	34.4	52.4	90.6
		+13.1	+15.9	+29.0	+36.0	+43.5	+50.4	+66.6	+74.8	+14.5	+32.5	+70.7
문경시	14.0	24.4	27.2	39.8	48.4	55.0	61.2	77.1	85.4	25.8	44.1	81.3
		+10.4	+13.2	+25.8	+34.4	+41.0	+47.2	+63.1	+71.4	+11.8	+30.1	+67.3
봉화군	7.6	16.4	20.4	28.0	35.0	41.3	49.0	60.1	65.6	18.4	31.5	62.8
		+8.8	+12.8	+20.4	+27.4	+33.7	+41.4	+52.5	+58.0	+10.8	+23.9	+55.2
상주시	15.4	27.2	29.8	42.8	51.0	57.5	64.0	80.4	88.8	28.5	46.9	84.6
		+11.8	+14.4	+27.4	+35.6	+42.1	+48.6	+65.0	+73.4	+13.1	+31.5	+69.2
성주군	21.8	34.5	37.8	50.6	57.6	64.6	72.3	88.2	96.0	36.2	54.1	92.1
		+12.7	+16.0	+28.8	+35.8	+42.8	+50.5	+66.4	+74.2	+14.4	+32.3	+70.3
안동시	16.9	29.6	32.3	44.5	53.2	59.0	66.2	80.9	89.1	31.0	48.9	85.0
		+12.7	+15.4	+27.6	+36.3	+42.1	+49.3	+64.0	+72.2	+14.1	+32.0	+68.1
영덕군	15.2	18.9	24.1	30.6	37.0	44.1	51.6	62.4	67.2	21.5	33.8	64.8
		+3.7	+8.9	+15.4	+21.8	+28.9	+36.4	+47.2	+52.0	+6.3	+18.6	+49.6
영양군	6.5	15.4	18.9	25.1	31.0	37.6	44.8	54.2	59.1	17.1	28.1	56.6
		+8.9	+12.4	+18.6	+24.5	+31.1	+38.3	+47.7	+52.6	+10.6	+21.6	+50.1
영주시	14.8	26.8	30.2	42.5	50.9	57.3	64.2	79.4	87.0	28.5	46.7	83.2
		+12.0	+15.4	+27.7	+36.1	+42.5	+49.4	+64.6	+72.2	+13.7	+31.9	+68.4
영천시	24.7	35.9	39.1	50.8	57.9	63.8	72.5	86.2	93.8	37.5	54.4	90.0
		+11.2	+14.4	+26.1	+33.2	+39.1	+47.8	+61.5	+69.1	+12.8	+29.7	+65.3
예천군	16.3	28.1	30.9	44.0	52.5	59.0	65.6	81.3	89.5	29.5	48.3	85.4
		+11.8	+14.6	+27.7	+36.2	+42.7	+49.3	+65.0	+73.2	+13.2	+32.0	+69.1
울릉군	1.0	0.6	3.0	3.5	5.5	8.6	14.4	18.5	24.1	1.8	4.5	21.3
		-0.4	+2.0	+2.5	+4.5	+7.6	+13.4	+17.5	+23.1	+0.8	+3.5	+20.3
울진군	6.5	9.2	13.2	17.1	21.9	28.6	35.3	43.2	47.7	11.2	19.5	45.4
		+2.7	+6.7	+10.6	+15.4	+22.1	+28.8	+36.7	+41.2	+4.7	+13.0	+38.9
의성군	22.8	37.3	39.4	53.4	61.0	67.1	74.3	89.7	98.0	38.3	57.2	93.8
		+14.5	+16.6	+30.6	+38.2	+44.3	+51.5	+66.9	+75.2	+15.5	+34.4	+71.0
청도군	21.9	32.9	36.6	47.0	55.0	60.6	69.5	83.3	91.1	34.8	51.0	87.2
		+11.0	+14.7	+25.1	+33.1	+38.7	+47.6	+61.4	+69.2	+12.9	+29.1	+65.3
청송군	15.1	25.6	28.9	38.2	45.8	52.1	59.7	71.7	78.0	27.2	42.0	74.8
		+10.5	+13.8	+23.1	+30.7	+37.0	+44.6	+56.6	+62.9	+12.1	+26.9	+59.7
칠곡군	26.8	42.0	44.2	58.8	65.3	72.5	79.8	95.4	103.4	43.1	62.1	99.4
		+15.2	+17.4	+32.0	+38.5	+45.7	+53.0	+68.6	+76.6	+16.3	+35.3	+72.6
포항시	14.6	18.5	23.2	29.3	35.4	42.6	50.5	60.7	66.2	20.8	32.4	63.4
		+3.9	+8.6	+14.7	+20.8	+28.0	+35.9	+46.1	+51.6	+6.2	+17.8	+48.8

표 4-36. 경상북도의 폭염일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	17.2	28.2	29.9	42.7	45.5	61.4	71.9	88.2	100.6	29.0	44.1	94.4
		+11.0	+12.7	+25.5	+28.3	+44.2	+54.7	+71.0	+83.4	+11.8	+26.9	+77.2
경산시	33.4	46.3	48.9	63.0	68.4	83.3	96.3	112.0	125.2	47.6	65.7	118.6
		+12.9	+15.5	+29.6	+35.0	+49.9	+62.9	+78.6	+91.8	+14.2	+32.3	+85.2
경주시	19.5	27.0	27.5	39.9	43.8	58.8	69.2	85.0	98.8	27.2	41.9	91.9
		+7.5	+8.0	+20.4	+24.3	+39.3	+49.7	+65.5	+79.3	+7.7	+22.4	+72.4
고령군	22.3	35.7	38.0	51.9	57.5	72.9	86.0	102.8	116.9	36.8	54.7	109.9
		+13.4	+15.7	+29.6	+35.2	+50.6	+63.7	+80.5	+94.6	+14.5	+32.4	+87.6
구미시	22.0	38.3	41.2	56.2	59.0	75.9	88.5	105.5	118.5	39.7	57.6	112.0
		+16.3	+19.2	+34.2	+37.0	+53.9	+66.5	+83.5	+96.5	+17.7	+35.6	+90.0
군위군	19.7	34.2	35.5	49.9	52.0	69.3	80.7	97.8	110.1	34.8	51.0	104.0
		+14.5	+15.8	+30.2	+32.3	+49.6	+61.0	+78.1	+90.4	+15.1	+31.3	+84.3
김천시	19.9	34.7	37.0	51.6	54.6	71.0	83.4	100.1	113.4	35.8	53.1	106.8
		+14.8	+17.1	+31.7	+34.7	+51.1	+63.5	+80.2	+93.5	+15.9	+33.2	+86.9
문경시	14.0	26.4	28.4	44.2	44.5	63.1	74.6	92.2	105.1	27.4	44.4	98.6
		+12.4	+14.4	+30.2	+30.5	+49.1	+60.6	+78.2	+91.1	+13.4	+30.4	+84.6
봉화군	7.6	17.6	19.1	30.1	31.8	48.4	56.6	73.5	84.0	18.4	31.0	78.7
		+10.0	+11.5	+22.5	+24.2	+40.8	+49.0	+65.9	+76.4	+10.8	+23.4	+71.1
상주시	15.4	29.4	31.2	46.8	47.7	66.0	77.4	94.8	107.8	30.3	47.2	101.3
		+14.0	+15.8	+31.4	+32.3	+50.6	+62.0	+79.4	+92.4	+14.9	+31.8	+85.9
성주군	21.8	35.8	38.2	52.2	57.0	72.5	85.1	101.9	115.7	37.0	54.6	108.8
		+14.0	+16.4	+30.4	+35.2	+50.7	+63.3	+80.1	+93.9	+15.2	+32.8	+87.0
안동시	16.9	30.9	32.7	47.1	48.5	66.6	78.1	95.6	107.9	31.8	47.8	101.8
		+14.0	+15.8	+30.2	+31.6	+49.7	+61.2	+78.7	+91.0	+14.9	+30.9	+84.9
영덕군	15.2	19.6	20.2	32.1	34.8	50.3	58.7	74.3	85.7	19.9	33.5	80.0
		+4.4	+5.0	+16.9	+19.6	+35.1	+43.5	+59.1	+70.5	+4.7	+18.3	+64.8
영양군	6.5	16.1	16.9	25.6	28.5	43.6	50.4	66.6	76.5	16.5	27.1	71.5
		+9.6	+10.4	+19.1	+22.0	+37.1	+43.9	+60.1	+70.0	+10.0	+20.6	+65.0
영주시	14.8	28.2	30.5	45.5	46.0	65.0	77.0	94.2	106.7	29.4	45.8	100.5
		+13.4	+15.7	+30.7	+31.2	+50.2	+62.2	+79.4	+91.9	+14.6	+31.0	+85.7
영천시	24.7	36.6	38.1	52.1	55.8	71.8	84.0	100.2	113.4	37.4	54.0	106.8
		+11.9	+13.4	+27.4	+31.1	+47.1	+59.3	+75.5	+88.7	+12.7	+29.3	+82.1
예천군	16.3	29.7	32.2	47.8	48.2	66.8	78.8	96.2	108.8	31.0	48.0	102.5
		+13.4	+15.9	+31.5	+31.9	+50.5	+62.5	+79.9	+92.5	+14.7	+31.7	+86.2
울릉군	1.0	1.0	1.3	5.6	6.7	14.8	17.2	28.0	37.7	1.2	6.2	32.9
		+0.0	+0.3	+4.6	+5.7	+13.8	+16.2	+27.0	+36.7	+0.2	+5.2	+31.9
울진군	6.5	10.2	10.6	17.9	20.7	35.1	40.4	54.9	64.6	10.4	19.3	59.8
		+3.7	+4.1	+11.4	+14.2	+28.6	+33.9	+48.4	+58.1	+3.9	+12.8	+53.3
의성군	22.8	38.3	40.9	55.9	57.6	75.5	86.9	104.2	116.6	39.6	56.7	110.4
		+15.5	+18.1	+33.1	+34.8	+52.7	+64.1	+81.4	+93.8	+16.8	+33.9	+87.6
청도군	21.9	33.3	34.9	48.3	54.1	68.6	80.8	98.0	110.7	34.1	51.2	104.4
		+11.4	+13.0	+26.4	+32.2	+46.7	+58.9	+76.1	+88.8	+12.2	+29.3	+82.5
청송군	15.1	26.6	27.3	39.6	42.1	58.2	68.0	84.9	96.5	26.9	40.8	90.7
		+11.5	+12.2	+24.5	+27.0	+43.1	+52.9	+69.8	+81.4	+11.8	+25.7	+75.6
칠곡군	26.8	42.4	45.4	60.2	64.5	80.3	93.1	109.3	122.6	43.9	62.3	116.0
		+15.6	+18.6	+33.4	+37.7	+53.5	+66.3	+82.5	+95.8	+17.1	+35.5	+89.2
포항시	14.6	19.5	20.2	30.7	34.0	48.7	57.6	72.9	86.0	19.8	32.3	79.5
		+4.9	+5.6	+16.1	+19.4	+34.1	+43.0	+58.3	+71.4	+5.2	+17.7	+64.9

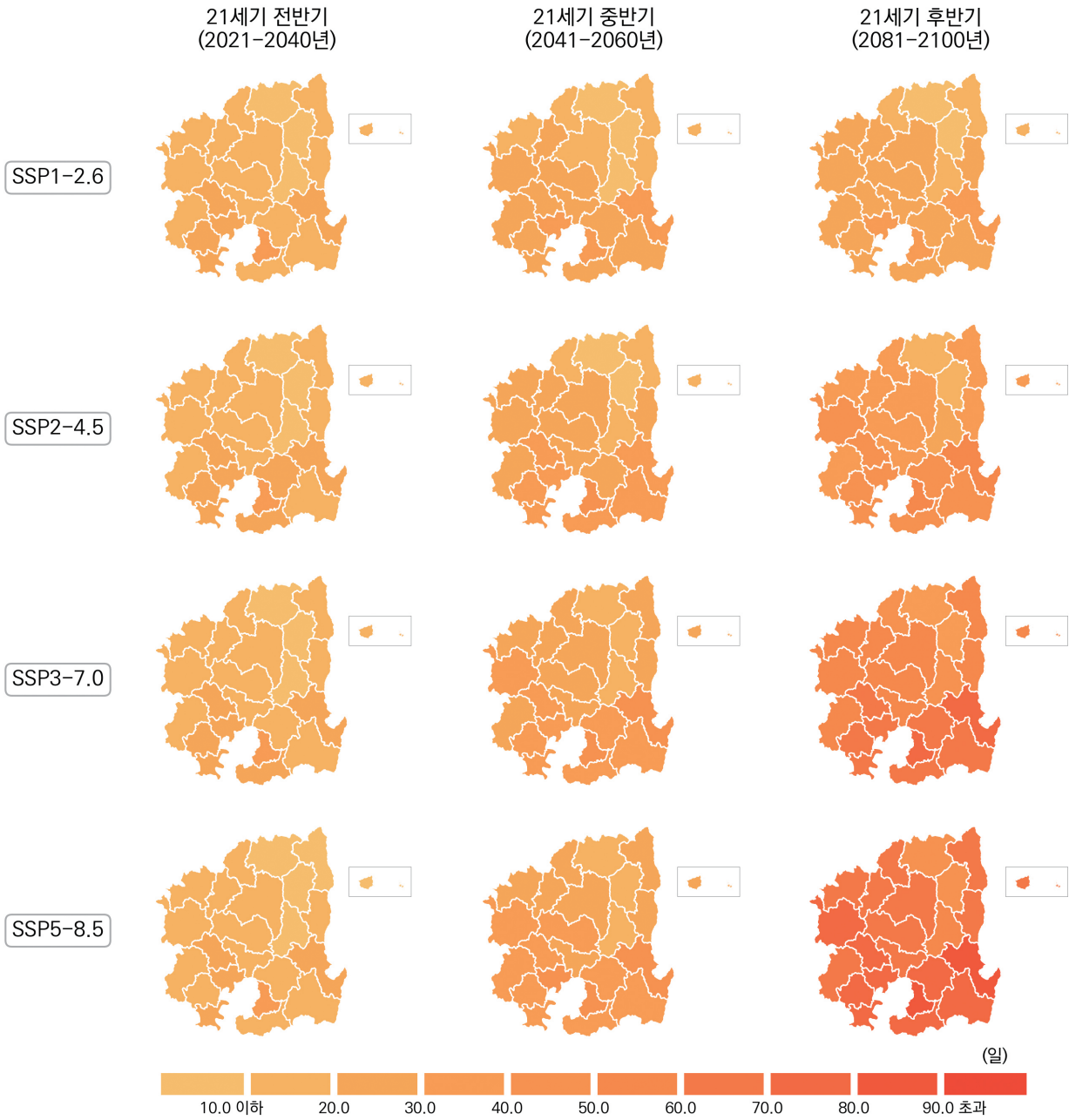


그림 4-19. 경상북도의 열대야일수(일) 전망 분포도

표 4-37. 경상북도의 열대야일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	2.6	15.2	18.7	23.4	21.2	21.3	20.5	26.9	19.1	17.0	22.3	23.0
		+12.6	+16.1	+20.8	+18.6	+18.7	+17.9	+24.3	+16.5	+14.4	+19.7	+20.4
경산시	11.0	28.9	33.8	38.6	37.0	36.8	36.8	43.0	35.4	31.3	37.8	39.2
		+17.9	+22.8	+27.6	+26.0	+25.8	+25.8	+32.0	+24.4	+20.3	+26.8	+28.2
경주시	3.1	17.7	21.9	26.9	24.5	24.8	24.7	31.3	23.0	19.8	25.7	27.2
		+14.6	+18.8	+23.8	+21.4	+21.7	+21.6	+28.2	+19.9	+16.7	+22.6	+24.1
고령군	2.7	20.2	24.4	29.1	26.9	26.9	26.3	32.7	25.0	22.3	28.0	28.9
		+17.5	+21.7	+26.4	+24.2	+24.2	+23.6	+30.0	+22.3	+19.6	+25.3	+26.2
구미시	1.5	21.0	25.0	29.5	27.1	27.2	26.3	33.0	24.6	23.0	28.3	28.8
		+19.5	+23.5	+28.0	+25.6	+25.7	+24.8	+31.5	+23.1	+21.5	+26.8	+27.3
군위군	0.3	13.5	16.9	21.3	18.9	19.1	18.0	24.9	17.2	15.2	20.1	21.1
		+13.2	+16.6	+21.0	+18.6	+18.8	+17.7	+24.6	+16.9	+14.9	+19.8	+20.8
김천시	0.8	16.1	19.8	24.2	22.1	22.2	21.2	27.7	19.5	17.9	23.1	23.6
		+15.3	+19.0	+23.4	+21.3	+21.4	+20.4	+26.9	+18.7	+17.1	+22.3	+22.8
문경시	0.5	13.1	16.4	20.9	18.9	18.7	17.4	24.1	16.2	14.8	19.9	20.2
		+12.6	+15.9	+20.4	+18.4	+18.2	+16.9	+23.6	+15.7	+14.3	+19.4	+19.7
봉화군	0.0	3.4	4.8	8.1	6.2	6.5	5.5	9.9	5.3	4.1	7.1	7.6
		+3.4	+4.8	+8.1	+6.2	+6.5	+5.5	+9.9	+5.3	+4.1	+7.1	+7.6
상주시	1.1	16.7	20.5	24.9	22.8	22.8	21.9	28.5	20.1	18.6	23.8	24.3
		+15.6	+19.4	+23.8	+21.7	+21.7	+20.8	+27.4	+19.0	+17.5	+22.7	+23.2
성주군	2.2	19.5	23.8	28.2	25.8	25.9	25.1	31.4	23.5	21.6	27.0	27.5
		+17.3	+21.6	+26.0	+23.6	+23.7	+22.9	+29.2	+21.3	+19.4	+24.8	+25.3
안동시	1.0	12.9	16.0	20.6	18.4	18.6	17.3	24.1	16.4	14.5	19.5	20.2
		+11.9	+15.0	+19.6	+17.4	+17.6	+16.3	+23.1	+15.4	+13.5	+18.5	+19.2
영덕군	2.6	11.9	15.2	21.0	18.2	18.6	17.3	25.1	15.4	13.6	19.6	20.2
		+9.3	+12.6	+18.4	+15.6	+16.0	+14.7	+22.5	+12.8	+11.0	+17.0	+17.6
영양군	0.1	3.2	4.6	7.8	5.8	6.6	5.4	9.6	5.1	3.9	6.8	7.3
		+3.1	+4.5	+7.7	+5.7	+6.5	+5.3	+9.5	+5.0	+3.8	+6.7	+7.2
영주시	0.1	9.9	12.5	16.8	14.7	14.7	13.3	19.9	12.5	11.2	15.8	16.2
		+9.8	+12.4	+16.7	+14.6	+14.6	+13.2	+19.8	+12.4	+11.1	+15.7	+16.1
영천시	2.8	17.9	21.7	26.1	24.0	24.3	23.6	30.0	22.6	19.8	25.1	26.3
		+15.1	+18.9	+23.3	+21.2	+21.5	+20.8	+27.2	+19.8	+17.0	+22.3	+23.5
예천군	0.5	13.8	17.2	21.8	19.7	19.5	18.3	24.9	17.2	15.5	20.8	21.1
		+13.3	+16.7	+21.3	+19.2	+19.0	+17.8	+24.4	+16.7	+15.0	+20.3	+20.6
울릉군	4.1	9.4	12.4	18.9	17.4	16.3	15.3	21.7	11.2	10.9	18.1	16.5
		+5.3	+8.3	+14.8	+13.3	+12.2	+11.2	+17.6	+7.1	+6.8	+14.0	+12.4
울진군	1.8	8.8	11.5	17.2	13.9	14.3	13.1	20.5	11.1	10.1	15.5	15.8
		+7.0	+9.7	+15.4	+12.1	+12.5	+11.3	+18.7	+9.3	+8.3	+13.7	+14.0
의성군	0.7	15.6	18.8	23.7	21.3	21.3	20.2	26.9	19.2	17.2	22.5	23.0
		+14.9	+18.1	+23.0	+20.6	+20.6	+19.5	+26.2	+18.5	+16.5	+21.8	+22.3
청도군	3.0	18.0	21.9	26.7	24.6	24.9	24.4	30.5	23.3	20.0	25.6	26.9
		+15.0	+18.9	+23.7	+21.6	+21.9	+21.4	+27.5	+20.3	+17.0	+22.6	+23.9
청송군	0.1	5.1	7.2	10.9	8.7	9.4	8.3	13.1	7.7	6.2	9.8	10.4
		+5.0	+7.1	+10.8	+8.6	+9.3	+8.2	+13.0	+7.6	+6.1	+9.7	+10.3
칠곡군	4.3	23.9	28.4	32.7	30.3	30.5	29.6	36.3	28.3	26.2	31.5	32.3
		+19.6	+24.1	+28.4	+26.0	+26.2	+25.3	+32.0	+24.0	+21.9	+27.2	+28.0
포항시	8.6	22.3	26.8	32.4	30.6	30.6	31.1	37.9	29.4	24.5	31.5	33.6
		+13.7	+18.2	+23.8	+22.0	+22.0	+22.5	+29.3	+20.8	+15.9	+22.9	+25.0

표 4-38. 경상북도의 열대야일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	2.6	14.8	20.1	24.8	26.8	32.1	32.8	35.0	42.7	17.5	25.8	38.9
		+12.2	+17.5	+22.2	+24.2	+29.5	+30.2	+32.4	+40.1	+14.9	+23.2	+36.3
경산시	11.0	27.5	35.6	41.8	43.6	49.7	50.2	52.8	59.6	31.5	42.7	56.2
		+16.5	+24.6	+30.8	+32.6	+38.7	+39.2	+41.8	+48.6	+20.5	+31.7	+45.2
경주시	3.1	16.7	23.4	29.7	31.8	37.4	38.4	40.1	48.2	20.0	30.8	44.2
		+13.6	+20.3	+26.6	+28.7	+34.3	+35.3	+37.0	+45.1	+16.9	+27.7	+41.1
고령군	2.7	19.8	25.9	31.0	33.7	39.0	39.8	41.9	49.2	22.8	32.3	45.6
		+17.1	+23.2	+28.3	+31.0	+36.3	+37.1	+39.2	+46.5	+20.1	+29.6	+42.9
구미시	1.5	19.7	26.4	31.2	33.4	38.8	39.3	42.1	49.1	23.1	32.3	45.6
		+18.2	+24.9	+29.7	+31.9	+37.3	+37.8	+40.6	+47.6	+21.6	+30.8	+44.1
군위군	0.3	13.1	18.1	23.1	24.7	29.8	30.2	32.7	40.0	15.6	23.9	36.4
		+12.8	+17.8	+22.8	+24.4	+29.5	+29.9	+32.4	+39.7	+15.3	+23.6	+36.1
김천시	0.8	15.0	20.9	25.7	28.1	33.0	33.8	35.9	43.1	18.0	26.9	39.5
		+14.2	+20.1	+24.9	+27.3	+32.2	+33.0	+35.1	+42.3	+17.2	+26.1	+38.7
문경시	0.5	12.2	17.4	21.7	24.2	29.3	29.5	32.6	39.6	14.8	23.0	36.1
		+11.7	+16.9	+21.2	+23.7	+28.8	+29.0	+32.1	+39.1	+14.3	+22.5	+35.6
봉화군	0.0	3.4	6.2	8.3	10.0	13.0	13.6	15.4	22.0	4.8	9.1	18.7
		+3.4	+6.2	+8.3	+10.0	+13.0	+13.6	+15.4	+22.0	+4.8	+9.1	+18.7
상주시	1.1	15.6	21.3	26.1	28.8	34.0	34.2	37.2	44.0	18.4	27.5	40.6
		+14.5	+20.2	+25.0	+27.7	+32.9	+33.1	+36.1	+42.9	+17.3	+26.4	+39.5
성주군	2.2	18.7	25.0	30.0	32.2	37.5	38.5	40.2	47.6	21.8	31.1	43.9
		+16.5	+22.8	+27.8	+30.0	+35.3	+36.3	+38.0	+45.4	+19.6	+28.9	+41.7
안동시	1.0	12.6	17.6	21.5	23.8	28.6	29.3	31.8	39.0	15.1	22.7	35.4
		+11.6	+16.6	+20.5	+22.8	+27.6	+28.3	+30.8	+38.0	+14.1	+21.7	+34.4
영덕군	2.6	12.7	17.1	21.6	23.4	29.6	30.4	32.4	42.5	14.9	22.5	37.5
		+10.1	+14.5	+19.0	+20.8	+27.0	+27.8	+29.8	+39.9	+12.3	+19.9	+34.9
영양군	0.1	3.2	6.2	8.1	9.8	12.8	13.7	15.1	22.1	4.7	8.9	18.6
		+3.1	+6.1	+8.0	+9.7	+12.7	+13.6	+15.0	+22.0	+4.6	+8.8	+18.5
영주시	0.1	9.4	14.1	17.7	19.5	24.6	24.6	27.4	34.7	11.8	18.6	31.1
		+9.3	+14.0	+17.6	+19.4	+24.5	+24.5	+27.3	+34.6	+11.7	+18.5	+31.0
영천시	2.8	17.1	23.3	28.4	30.8	35.6	36.3	38.6	45.9	20.2	29.6	42.2
		+14.3	+20.5	+25.6	+28.0	+32.8	+33.5	+35.8	+43.1	+17.4	+26.8	+39.4
예천군	0.5	12.9	18.5	22.7	25.0	30.2	30.6	33.5	40.5	15.7	23.8	37.0
		+12.4	+18.0	+22.2	+24.5	+29.7	+30.1	+33.0	+40.0	+15.2	+23.3	+36.5
울릉군	4.1	12.5	12.2	16.6	18.5	26.3	26.9	27.9	39.9	12.3	17.6	33.9
		+8.4	+8.1	+12.5	+14.4	+22.2	+22.8	+23.8	+35.8	+8.2	+13.5	+29.8
울진군	1.8	9.5	12.9	16.8	18.7	24.5	25.4	27.4	37.0	11.2	17.8	32.2
		+7.7	+11.1	+15.0	+16.9	+22.7	+23.6	+25.6	+35.2	+9.4	+16.0	+30.4
의성군	0.7	14.9	20.3	25.0	26.9	32.2	32.6	35.2	42.3	17.6	25.9	38.7
		+14.2	+19.6	+24.3	+26.2	+31.5	+31.9	+34.5	+41.6	+16.9	+25.2	+38.0
청도군	3.0	17.7	23.6	29.1	31.3	36.8	37.6	39.6	47.2	20.6	30.2	43.4
		+14.7	+20.6	+26.1	+28.3	+33.8	+34.6	+36.6	+44.2	+17.6	+27.2	+40.4
청송군	0.1	5.1	8.9	11.5	13.3	17.0	17.8	19.3	27.1	7.0	12.4	23.2
		+5.0	+8.8	+11.4	+13.2	+16.9	+17.7	+19.2	+27.0	+6.9	+12.3	+23.1
칠곡군	4.3	22.8	29.9	34.8	36.8	42.4	42.9	45.5	52.5	26.3	35.8	49.0
		+18.5	+25.6	+30.5	+32.5	+38.1	+38.6	+41.2	+48.2	+22.0	+31.5	+44.7
포항시	8.6	21.6	29.1	35.8	37.7	44.1	45.1	47.7	55.9	25.4	36.8	51.8
		+13.0	+20.5	+27.2	+29.1	+35.5	+36.5	+39.1	+47.3	+16.8	+28.2	+43.2

표 4-39. 경상북도의 열대야일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	2.6	13.1	20.5	26.5	31.5	39.0	46.3	56.0	59.9	16.8	29.0	58.0
		+10.5	+17.9	+23.9	+28.9	+36.4	+43.7	+53.4	+57.3	+14.2	+26.4	+55.4
경산시	11.0	28.2	36.3	42.2	48.8	56.9	63.9	75.1	77.8	32.2	45.5	76.5
		+17.2	+25.3	+31.2	+37.8	+45.9	+52.9	+64.1	+66.8	+21.2	+34.5	+65.5
경주시	3.1	15.2	24.7	30.2	36.4	45.3	52.3	63.3	67.2	20.0	33.3	65.3
		+12.1	+21.6	+27.1	+33.3	+42.2	+49.2	+60.2	+64.1	+16.9	+30.2	+62.2
고령군	2.7	18.2	26.4	32.4	37.9	45.8	53.6	63.3	66.6	22.3	35.2	65.0
		+15.5	+23.7	+29.7	+35.2	+43.1	+50.9	+60.6	+63.9	+19.6	+32.5	+62.3
구미시	1.5	18.1	26.0	32.9	37.5	45.3	53.5	63.2	66.6	22.0	35.2	64.9
		+16.6	+24.5	+31.4	+36.0	+43.8	+52.0	+61.7	+65.1	+20.5	+33.7	+63.4
군위군	0.3	10.8	17.9	24.8	28.6	36.3	43.8	53.1	56.7	14.3	26.7	54.9
		+10.5	+17.6	+24.5	+28.3	+36.0	+43.5	+52.8	+56.4	+14.0	+26.4	+54.6
김천시	0.8	13.4	20.9	27.3	31.8	39.6	47.1	56.2	59.9	17.1	29.5	58.0
		+12.6	+20.1	+26.5	+31.0	+38.8	+46.3	+55.4	+59.1	+16.3	+28.7	+57.2
문경시	0.5	10.5	17.4	23.9	28.3	35.7	43.2	52.6	56.1	14.0	26.1	54.4
		+10.0	+16.9	+23.4	+27.8	+35.2	+42.7	+52.1	+55.6	+13.5	+25.6	+53.9
봉화군	0.0	2.5	5.7	10.3	13.5	18.9	24.8	32.7	37.8	4.1	11.9	35.2
		+2.5	+5.7	+10.3	+13.5	+18.9	+24.8	+32.7	+37.8	+4.1	+11.9	+35.2
상주시	1.1	13.9	21.2	28.0	32.5	40.5	48.2	58.0	61.1	17.5	30.2	59.5
		+12.8	+20.1	+26.9	+31.4	+39.4	+47.1	+56.9	+60.0	+16.4	+29.1	+58.4
성주군	2.2	17.2	25.3	31.3	36.4	44.1	51.8	61.1	64.8	21.2	33.8	62.9
		+15.0	+23.1	+29.1	+34.2	+41.9	+49.6	+58.9	+62.6	+19.0	+31.6	+60.7
안동시	1.0	10.5	17.5	23.8	27.9	35.1	42.5	51.9	55.7	14.0	25.9	53.8
		+9.5	+16.5	+22.8	+26.9	+34.1	+41.5	+50.9	+54.7	+13.0	+24.9	+52.8
영덕군	2.6	8.7	18.5	24.2	29.7	37.1	45.0	54.4	59.0	13.6	26.9	56.7
		+6.1	+15.9	+21.6	+27.1	+34.5	+42.4	+51.8	+56.4	+11.0	+24.3	+54.1
영양군	0.1	2.5	5.8	10.3	13.5	19.2	25.0	33.1	38.3	4.2	11.9	35.7
		+2.4	+5.7	+10.2	+13.4	+19.1	+24.9	+33.0	+38.2	+4.1	+11.8	+35.6
영주시	0.1	7.4	13.8	20.0	23.9	31.0	37.6	47.1	50.6	10.6	22.0	48.8
		+7.3	+13.7	+19.9	+23.8	+30.9	+37.5	+47.0	+50.5	+10.5	+21.9	+48.7
영천시	2.8	15.8	23.6	29.4	34.3	42.7	49.9	59.6	62.9	19.7	31.8	61.2
		+13.0	+20.8	+26.6	+31.5	+39.9	+47.1	+56.8	+60.1	+16.9	+29.0	+58.4
예천군	0.5	11.2	18.4	24.9	29.0	36.5	44.0	53.3	56.8	14.8	27.0	55.1
		+10.7	+17.9	+24.4	+28.5	+36.0	+43.5	+52.8	+56.3	+14.3	+26.5	+54.6
울릉군	4.1	7.7	15.7	19.4	26.5	32.7	42.1	49.4	56.7	11.7	22.9	53.1
		+3.6	+11.6	+15.3	+22.4	+28.6	+38.0	+45.3	+52.6	+7.6	+18.8	+49.0
울진군	1.8	6.2	14.2	19.5	24.8	31.9	39.5	48.7	53.3	10.2	22.1	51.0
		+4.4	+12.4	+17.7	+23.0	+30.1	+37.7	+46.9	+51.5	+8.4	+20.3	+49.2
의성군	0.7	12.8	20.2	26.9	30.9	38.4	46.1	55.4	58.9	16.5	28.9	57.2
		+12.1	+19.5	+26.2	+30.2	+37.7	+45.4	+54.7	+58.2	+15.8	+28.2	+56.5
청도군	3.0	16.1	24.2	30.0	35.7	43.9	51.0	61.4	65.0	20.2	32.8	63.2
		+13.1	+21.2	+27.0	+32.7	+40.9	+48.0	+58.4	+62.0	+17.2	+29.8	+60.2
청송군	0.1	3.7	8.4	13.8	17.5	23.5	30.4	39.0	43.9	6.1	15.6	41.4
		+3.6	+8.3	+13.7	+17.4	+23.4	+30.3	+38.9	+43.8	+6.0	+15.5	+41.3
칠곡군	4.3	21.6	29.5	36.0	41.2	49.2	56.9	66.9	69.9	25.6	38.6	68.4
		+17.3	+25.2	+31.7	+36.9	+44.9	+52.6	+62.6	+65.6	+21.3	+34.3	+64.1
포항시	8.6	20.7	30.2	37.1	43.9	52.9	59.8	72.7	76.2	25.5	40.5	74.5
		+12.1	+21.6	+28.5	+35.3	+44.3	+51.2	+64.1	+67.6	+16.9	+31.9	+65.9

표 4-40. 경상북도의 열대야일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	2.6	14.2	17.6	29.2	31.8	44.5	53.2	64.7	75.0	15.9	30.5	69.9
		+11.6	+15.0	+26.6	+29.2	+41.9	+50.6	+62.1	+72.4	+13.3	+27.9	+67.3
경산시	11.0	29.2	32.4	46.3	48.3	61.1	70.2	82.6	90.8	30.8	47.3	86.7
		+18.2	+21.4	+35.3	+37.3	+50.1	+59.2	+71.6	+79.8	+19.8	+36.3	+75.7
경주시	3.1	16.7	21.3	33.7	37.1	50.0	60.1	71.8	82.0	19.0	35.4	76.9
		+13.6	+18.2	+30.6	+34.0	+46.9	+57.0	+68.7	+78.9	+15.9	+32.3	+73.8
고령군	2.7	18.8	23.0	35.5	38.3	50.9	60.3	71.3	81.0	20.9	36.9	76.1
		+16.1	+20.3	+32.8	+35.6	+48.2	+57.6	+68.6	+78.3	+18.2	+34.2	+73.4
구미시	1.5	19.0	22.9	35.6	37.8	51.3	60.1	71.2	81.0	21.0	36.7	76.1
		+17.5	+21.4	+34.1	+36.3	+49.8	+58.6	+69.7	+79.5	+19.5	+35.2	+74.6
군위군	0.3	11.9	15.9	26.5	29.7	41.5	50.7	60.7	71.7	13.9	28.1	66.2
		+11.6	+15.6	+26.2	+29.4	+41.2	+50.4	+60.4	+71.4	+13.6	+27.8	+65.9
김천시	0.8	14.7	18.7	29.7	32.4	44.8	54.1	64.2	74.2	16.7	31.1	69.2
		+13.9	+17.9	+28.9	+31.6	+44.0	+53.3	+63.4	+73.4	+15.9	+30.3	+68.4
문경시	0.5	12.0	15.6	26.0	28.8	41.5	49.7	60.7	71.3	13.8	27.4	66.0
		+11.5	+15.1	+25.5	+28.3	+41.0	+49.2	+60.2	+70.8	+13.3	+26.9	+65.5
봉화군	0.0	2.9	5.4	10.7	13.9	24.2	31.1	42.4	52.4	4.1	12.3	47.4
		+2.9	+5.4	+10.7	+13.9	+24.2	+31.1	+42.4	+52.4	+4.1	+12.3	+47.4
상주시	1.1	15.4	19.1	30.8	33.4	46.1	55.2	65.9	76.2	17.2	32.1	71.1
		+14.3	+18.0	+29.7	+32.3	+45.0	+54.1	+64.8	+75.1	+16.1	+31.0	+70.0
성주군	2.2	18.0	22.1	34.2	36.5	49.6	58.6	69.4	78.9	20.0	35.4	74.2
		+15.8	+19.9	+32.0	+34.3	+47.4	+56.4	+67.2	+76.7	+17.8	+33.2	+72.0
안동시	1.0	11.7	15.0	26.0	28.8	40.9	49.2	60.6	71.2	13.4	27.4	65.9
		+10.7	+14.0	+25.0	+27.8	+39.9	+48.2	+59.6	+70.2	+12.4	+26.4	+64.9
영덕군	2.6	11.1	13.6	27.4	29.7	43.4	51.9	63.8	75.2	12.3	28.5	69.5
		+8.5	+11.0	+24.8	+27.1	+40.8	+49.3	+61.2	+72.6	+9.7	+25.9	+66.9
영양군	0.1	2.9	5.0	10.5	13.3	24.5	31.8	42.9	53.8	3.9	11.9	48.3
		+2.8	+4.9	+10.4	+13.2	+24.4	+31.7	+42.8	+53.7	+3.8	+11.8	+48.2
영주시	0.1	8.3	12.1	21.5	24.4	36.4	43.9	55.6	66.3	10.2	23.0	61.0
		+8.2	+12.0	+21.4	+24.3	+36.3	+43.8	+55.5	+66.2	+10.1	+22.9	+60.9
영천시	2.8	16.6	20.8	32.6	35.3	47.5	56.9	67.6	77.3	18.7	34.0	72.4
		+13.8	+18.0	+29.8	+32.5	+44.7	+54.1	+64.8	+74.5	+15.9	+31.2	+69.6
예천군	0.5	12.6	16.2	26.9	29.9	42.4	50.6	61.8	72.2	14.4	28.4	67.0
		+12.1	+15.7	+26.4	+29.4	+41.9	+50.1	+61.3	+71.7	+13.9	+27.9	+66.5
울릉군	4.1	8.1	9.7	25.8	25.3	39.9	47.7	61.0	74.4	8.9	25.6	67.7
		+4.0	+5.6	+21.7	+21.2	+35.8	+43.6	+56.9	+70.3	+4.8	+21.5	+63.6
울진군	1.8	7.9	10.2	22.4	24.6	38.5	46.3	58.5	70.1	9.0	23.5	64.3
		+6.1	+8.4	+20.6	+22.8	+36.7	+44.5	+56.7	+68.3	+7.2	+21.7	+62.5
의성군	0.7	14.0	17.7	29.1	31.9	44.1	52.8	63.5	74.0	15.8	30.5	68.8
		+13.3	+17.0	+28.4	+31.2	+43.4	+52.1	+62.8	+73.3	+15.1	+29.8	+68.1
청도군	3.0	17.1	21.3	33.3	36.3	48.9	58.3	69.3	79.2	19.2	34.8	74.2
		+14.1	+18.3	+30.3	+33.3	+45.9	+55.3	+66.3	+76.2	+16.2	+31.8	+71.2
청송군	0.1	4.6	7.2	14.3	17.4	29.1	37.2	48.5	60.1	5.9	15.8	54.3
		+4.5	+7.1	+14.2	+17.3	+29.0	+37.1	+48.4	+60.0	+5.8	+15.7	+54.2
칠곡군	4.3	22.4	25.8	39.3	41.4	54.7	63.6	75.1	83.9	24.1	40.4	79.5
		+18.1	+21.5	+35.0	+37.1	+50.4	+59.3	+70.8	+79.6	+19.8	+36.1	+75.2
포항시	8.6	22.1	25.9	41.1	44.1	57.8	68.4	81.6	92.0	24.0	42.6	86.8
		+13.5	+17.3	+32.5	+35.5	+49.2	+59.8	+73.0	+83.4	+15.4	+34.0	+78.2

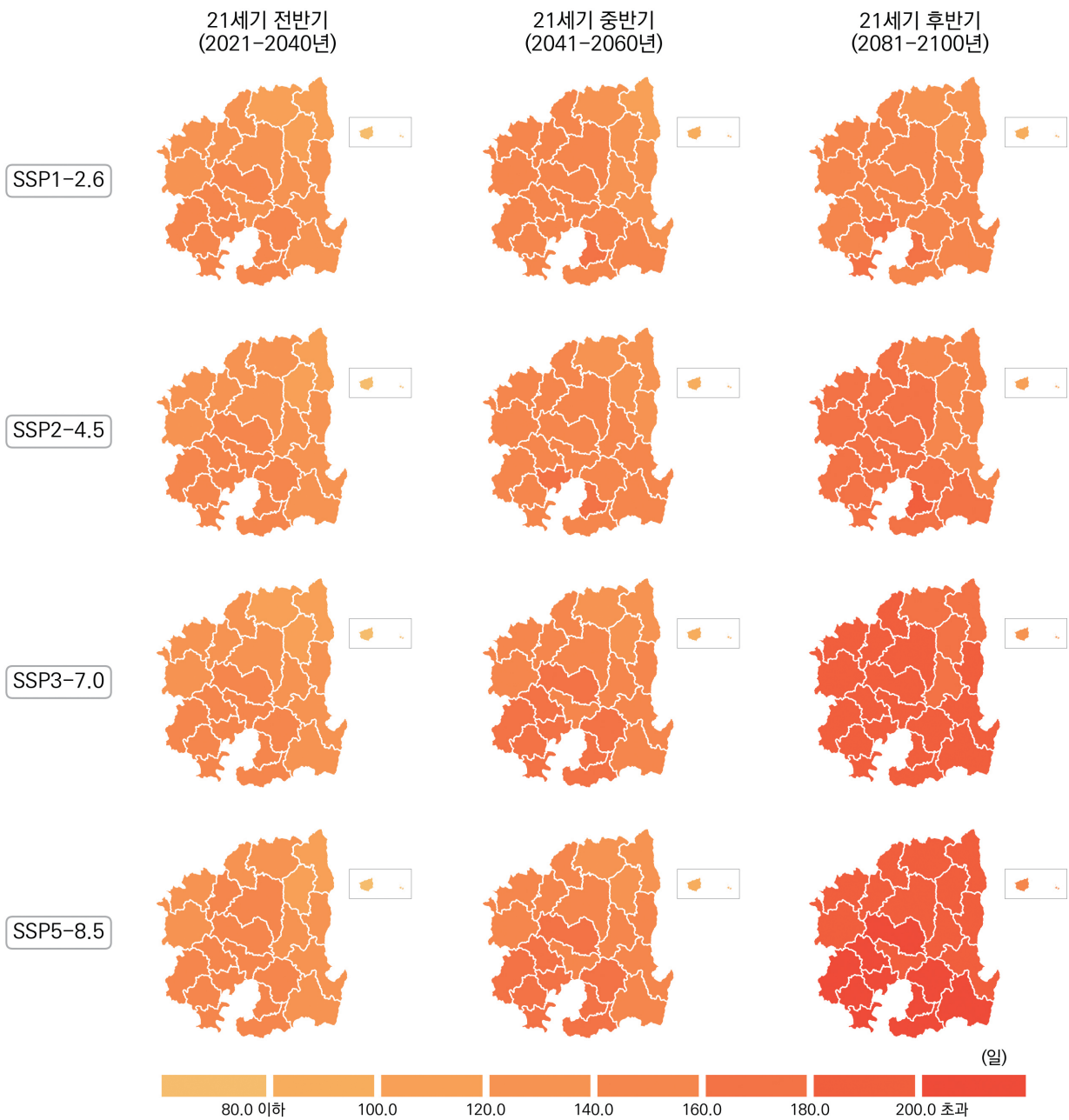


그림 4-20. 경상북도의 여름일수(일) 전망 분포도

표 4-41. 경상북도의 여름일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	115.0	129.3	135.0	140.5	141.1	144.6	147.2	148.3	146.0	132.1	140.8	147.1
		+14.3	+20.0	+25.5	+26.1	+29.6	+32.2	+33.3	+31.0	+17.1	+25.8	+32.1
경산시	135.7	151.6	156.1	160.2	162.0	166.1	167.4	167.7	166.1	153.9	161.1	166.9
		+15.9	+20.4	+24.5	+26.3	+30.4	+31.7	+32.0	+30.4	+18.2	+25.4	+31.2
경주시	113.9	129.5	137.8	143.3	143.6	148.6	149.9	151.4	149.4	133.7	143.4	150.4
		+15.6	+23.9	+29.4	+29.7	+34.7	+36.0	+37.5	+35.5	+19.8	+29.5	+36.5
고령군	129.3	144.0	148.8	154.0	154.9	159.0	161.2	161.6	159.8	146.4	154.4	160.7
		+14.7	+19.5	+24.7	+25.6	+29.7	+31.9	+32.3	+30.5	+17.1	+25.1	+31.4
구미시	130.8	144.0	148.0	152.9	154.3	157.6	160.0	160.4	158.4	146.0	153.6	159.4
		+13.2	+17.2	+22.1	+23.5	+26.8	+29.2	+29.6	+27.6	+15.2	+22.8	+28.6
군위군	123.7	136.1	140.9	146.5	147.2	150.2	152.9	154.0	151.6	138.5	146.9	152.8
		+12.4	+17.2	+22.8	+23.5	+26.5	+29.2	+30.3	+27.9	+14.8	+23.2	+29.1
김천시	126.0	139.4	143.9	148.9	150.1	153.4	156.1	156.9	154.9	141.7	149.5	155.9
		+13.4	+17.9	+22.9	+24.1	+27.4	+30.1	+30.9	+28.9	+15.7	+23.5	+29.9
문경시	118.2	132.4	136.2	141.3	141.7	145.2	148.3	149.2	146.6	134.3	141.5	147.9
		+14.2	+18.0	+23.1	+23.5	+27.0	+30.1	+31.0	+28.4	+16.1	+23.3	+29.7
봉화군	102.6	114.7	120.4	126.6	126.6	129.5	132.4	134.4	130.8	117.5	126.6	132.6
		+12.1	+17.8	+24.0	+24.0	+26.9	+29.8	+31.8	+28.2	+14.9	+24.0	+30.0
상주시	120.7	134.6	138.6	143.7	144.2	147.5	150.6	151.9	149.5	136.6	143.9	150.7
		+13.9	+17.9	+23.0	+23.5	+26.8	+29.9	+31.2	+28.8	+15.9	+23.2	+30.0
성주군	127.6	141.9	146.7	151.8	152.7	156.7	159.0	159.5	157.6	144.3	152.3	158.5
		+14.3	+19.1	+24.2	+25.1	+29.1	+31.4	+31.9	+30.0	+16.7	+24.7	+30.9
안동시	122.6	135.5	139.5	145.3	145.3	148.7	151.8	152.8	149.9	137.5	145.3	151.4
		+12.9	+16.9	+22.7	+22.7	+26.1	+29.2	+30.2	+27.3	+14.9	+22.7	+28.8
영덕군	103.4	119.7	128.5	134.6	135.0	138.3	140.7	143.0	141.1	124.1	134.8	142.0
		+16.3	+25.1	+31.2	+31.6	+34.9	+37.3	+39.6	+37.7	+20.7	+31.4	+38.6
영양군	95.4	107.9	114.7	121.3	121.2	124.2	126.9	129.6	126.4	111.3	121.3	128.0
		+12.5	+19.3	+25.9	+25.8	+28.8	+31.5	+34.2	+31.0	+15.9	+25.9	+32.6
영주시	121.9	134.6	138.1	143.9	143.6	147.3	150.6	151.1	148.2	136.3	143.8	149.6
		+12.7	+16.2	+22.0	+21.7	+25.4	+28.7	+29.2	+26.3	+14.4	+21.9	+27.7
영천시	126.2	140.9	146.7	151.8	152.7	156.9	158.5	159.1	157.1	143.8	152.2	158.1
		+14.7	+20.5	+25.6	+26.5	+30.7	+32.3	+32.9	+30.9	+17.6	+26.0	+31.9
예천군	122.8	136.1	139.6	144.9	145.3	148.8	152.2	152.4	149.9	137.9	145.1	151.2
		+13.3	+16.8	+22.1	+22.5	+26.0	+29.4	+29.6	+27.1	+15.1	+22.3	+28.4
울릉군	55.4	67.0	76.5	82.5	84.0	85.4	90.3	90.4	89.7	71.7	83.2	90.0
		+11.6	+21.1	+27.1	+28.6	+30.0	+34.9	+35.0	+34.3	+16.3	+27.8	+34.6
울진군	82.7	99.6	109.1	115.9	115.4	118.0	121.9	124.0	120.8	104.3	115.6	122.4
		+16.9	+26.4	+33.2	+32.7	+35.3	+39.2	+41.3	+38.1	+21.6	+32.9	+39.7
의성군	129.1	142.2	146.1	151.0	151.9	155.3	157.7	158.4	156.4	144.2	151.5	157.4
		+13.1	+17.0	+21.9	+22.8	+26.2	+28.6	+29.3	+27.3	+15.1	+22.4	+28.3
청도군	124.4	139.3	144.7	150.4	150.6	154.7	156.8	157.5	155.8	142.0	150.5	156.6
		+14.9	+20.3	+26.0	+26.2	+30.3	+32.4	+33.1	+31.4	+17.6	+26.1	+32.2
청송군	113.0	124.5	130.7	136.8	136.7	139.8	142.4	144.2	141.8	127.6	136.8	143.0
		+11.5	+17.7	+23.8	+23.7	+26.8	+29.4	+31.2	+28.8	+14.6	+23.8	+30.0
칠곡군	134.0	147.5	151.6	156.1	157.7	161.3	163.4	163.5	161.5	149.6	156.9	162.5
		+13.5	+17.6	+22.1	+23.7	+27.3	+29.4	+29.5	+27.5	+15.6	+22.9	+28.5
포항시	100.9	119.3	128.4	134.1	134.6	138.6	140.9	143.1	140.5	123.8	134.3	141.8
		+18.4	+27.5	+33.2	+33.7	+37.7	+40.0	+42.2	+39.6	+22.9	+33.4	+40.9

표 4-42. 경상북도의 여름일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	115.0	131.8	137.6	142.6	149.1	154.5	153.4	161.0	162.6	134.7	145.8	161.8
		+16.8	+22.6	+27.6	+34.1	+39.5	+38.4	+46.0	+47.6	+19.7	+30.8	+46.8
경산시	135.7	153.6	156.7	162.6	168.4	174.1	173.2	180.6	180.7	155.1	165.5	180.6
		+17.9	+21.0	+26.9	+32.7	+38.4	+37.5	+44.9	+45.0	+19.4	+29.8	+44.9
경주시	113.9	133.1	140.3	145.9	151.6	159.0	157.7	165.3	166.8	136.7	148.7	166.0
		+19.2	+26.4	+32.0	+37.7	+45.1	+43.8	+51.4	+52.9	+22.8	+34.8	+52.1
고령군	129.3	146.3	150.2	156.4	162.3	167.5	166.8	174.5	175.4	148.2	159.4	175.0
		+17.0	+20.9	+27.1	+33.0	+38.2	+37.5	+45.2	+46.1	+18.9	+30.1	+45.7
구미시	130.8	146.0	149.2	155.2	161.6	165.9	165.3	172.7	173.8	147.6	158.4	173.2
		+15.2	+18.4	+24.4	+30.8	+35.1	+34.5	+41.9	+43.0	+16.8	+27.6	+42.4
군위군	123.7	138.7	143.7	148.5	154.4	159.2	158.3	165.6	166.8	141.2	151.4	166.2
		+15.0	+20.0	+24.8	+30.7	+35.5	+34.6	+41.9	+43.1	+17.5	+27.7	+42.5
김천시	126.0	141.6	145.4	151.5	158.1	161.9	161.5	169.0	170.4	143.5	154.8	169.7
		+15.6	+19.4	+25.5	+32.1	+35.9	+35.5	+43.0	+44.4	+17.5	+28.8	+43.7
문경시	118.2	132.9	138.5	143.7	150.9	154.3	153.0	160.4	161.9	135.7	147.3	161.1
		+14.7	+20.3	+25.5	+32.7	+36.1	+34.8	+42.2	+43.7	+17.5	+29.1	+42.9
봉화군	102.6	117.2	125.1	128.6	135.7	141.2	138.9	146.1	149.0	121.1	132.2	147.5
		+14.6	+22.5	+26.0	+33.1	+38.6	+36.3	+43.5	+46.4	+18.5	+29.6	+44.9
상주시	120.7	135.7	140.7	146.1	153.0	156.7	155.5	163.0	164.3	138.2	149.5	163.6
		+15.0	+20.0	+25.4	+32.3	+36.0	+34.8	+42.3	+43.6	+17.5	+28.8	+42.9
성주군	127.6	144.5	148.0	154.3	160.4	165.1	164.4	172.1	173.3	146.2	157.3	172.7
		+16.9	+20.4	+26.7	+32.8	+37.5	+36.8	+44.5	+45.7	+18.6	+29.7	+45.1
안동시	122.6	136.8	142.7	146.5	153.5	157.6	157.0	164.0	165.5	139.8	150.0	164.7
		+14.2	+20.1	+23.9	+30.9	+35.0	+34.4	+41.4	+42.9	+17.2	+27.4	+42.1
영덕군	103.4	123.9	132.8	136.4	143.1	149.7	148.4	156.2	158.1	128.4	139.7	157.2
		+20.5	+29.4	+33.0	+39.7	+46.3	+45.0	+52.8	+54.7	+25.0	+36.3	+53.8
영양군	95.4	111.7	120.5	123.3	129.6	135.5	134.4	141.3	144.6	116.1	126.5	142.9
		+16.3	+25.1	+27.9	+34.2	+40.1	+39.0	+45.9	+49.2	+20.7	+31.1	+47.5
영주시	121.9	135.1	141.0	145.4	152.5	156.7	155.2	162.6	163.8	138.0	148.9	163.2
		+13.2	+19.1	+23.5	+30.6	+34.8	+33.3	+40.7	+41.9	+16.1	+27.0	+41.3
영천시	126.2	143.5	148.4	153.8	159.5	165.3	164.2	171.5	172.7	145.9	156.6	172.1
		+17.3	+22.2	+27.6	+33.3	+39.1	+38.0	+45.3	+46.5	+19.7	+30.4	+45.9
예천군	122.8	136.5	142.2	146.8	154.0	157.7	156.6	164.1	165.4	139.3	150.4	164.7
		+13.7	+19.4	+24.0	+31.2	+34.9	+33.8	+41.3	+42.6	+16.5	+27.6	+41.9
울릉군	55.4	71.9	78.3	83.7	92.5	101.2	99.5	108.4	112.9	75.1	88.1	110.7
		+16.5	+22.9	+28.3	+37.1	+45.8	+44.1	+53.0	+57.5	+19.7	+32.7	+55.3
울진군	82.7	103.9	113.8	118.1	125.1	131.7	130.5	138.9	142.4	108.8	121.6	140.6
		+21.2	+31.1	+35.4	+42.4	+49.0	+47.8	+56.2	+59.7	+26.1	+38.9	+57.9
의성군	129.1	143.8	147.9	152.7	159.3	163.5	162.9	170.1	170.8	145.9	156.0	170.4
		+14.7	+18.8	+23.6	+30.2	+34.4	+33.8	+41.0	+41.7	+16.8	+26.9	+41.3
청도군	124.4	141.4	146.6	152.7	157.7	164.3	162.8	170.7	171.3	144.0	155.2	171.0
		+17.0	+22.2	+28.3	+33.3	+39.9	+38.4	+46.3	+46.9	+19.6	+30.8	+46.6
청송군	113.0	127.3	135.0	138.0	144.3	149.5	148.7	155.4	157.9	131.1	141.1	156.6
		+14.3	+22.0	+25.0	+31.3	+36.5	+35.7	+42.4	+44.9	+18.1	+28.1	+43.6
칠곡군	134.0	149.7	152.2	158.2	164.3	169.1	168.4	175.8	176.6	151.0	161.2	176.2
		+15.7	+18.2	+24.2	+30.3	+35.1	+34.4	+41.8	+42.6	+17.0	+27.2	+42.2
포항시	100.9	123.9	131.9	137.3	143.2	151.0	149.4	158.0	159.4	127.9	140.3	158.7
		+23.0	+31.0	+36.4	+42.3	+50.1	+48.5	+57.1	+58.5	+27.0	+39.4	+57.8

표 4-43. 경상북도의 여름일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	115.0	131.0	137.7	151.4	154.1	163.7	167.9	178.1	188.3	134.3	152.7	183.2
		+16.0	+22.7	+36.4	+39.1	+48.7	+52.9	+63.1	+73.3	+19.3	+37.7	+68.2
경산시	135.7	152.1	159.2	172.2	174.5	181.8	186.8	194.7	205.1	155.7	173.3	199.9
		+16.4	+23.5	+36.5	+38.8	+46.1	+51.1	+59.0	+69.4	+20.0	+37.6	+64.2
경주시	113.9	133.2	139.5	154.4	157.7	167.4	172.6	182.7	193.8	136.3	156.1	188.3
		+19.3	+25.6	+40.5	+43.8	+53.5	+58.7	+68.8	+79.9	+22.4	+42.2	+74.4
고령군	129.3	145.1	152.1	165.6	168.0	176.5	180.7	190.5	201.1	148.6	166.8	195.8
		+15.8	+22.8	+36.3	+38.7	+47.2	+51.4	+61.2	+71.8	+19.3	+37.5	+66.5
구미시	130.8	144.2	151.6	164.1	166.5	174.9	178.6	188.2	198.8	147.9	165.3	193.5
		+13.4	+20.8	+33.3	+35.7	+44.1	+47.8	+57.4	+68.0	+17.1	+34.5	+62.7
군위군	123.7	137.7	143.7	157.7	159.1	167.9	171.7	181.6	191.5	140.7	158.4	186.6
		+14.0	+20.0	+34.0	+35.4	+44.2	+48.0	+57.9	+67.8	+17.0	+34.7	+62.9
김천시	126.0	140.0	147.3	159.7	162.5	171.5	175.0	185.2	195.4	143.7	161.1	190.3
		+14.0	+21.3	+33.7	+36.5	+45.5	+49.0	+59.2	+69.4	+17.7	+35.1	+64.3
문경시	118.2	130.9	138.7	152.0	154.5	164.3	166.9	178.4	187.2	134.8	153.3	182.8
		+12.7	+20.5	+33.8	+36.3	+46.1	+48.7	+60.2	+69.0	+16.6	+35.1	+64.6
봉화군	102.6	116.5	123.3	137.5	139.5	150.1	153.8	164.5	173.8	119.9	138.5	169.2
		+13.9	+20.7	+34.9	+36.9	+47.5	+51.2	+61.9	+71.2	+17.3	+35.9	+66.6
상주시	120.7	133.8	141.2	154.4	157.2	166.1	169.0	180.3	189.5	137.5	155.8	184.9
		+13.1	+20.5	+33.7	+36.5	+45.4	+48.3	+59.6	+68.8	+16.8	+35.1	+64.2
성주군	127.6	142.8	150.1	163.1	165.7	174.4	178.2	188.2	198.8	146.5	164.4	193.5
		+15.2	+22.5	+35.5	+38.1	+46.8	+50.6	+60.6	+71.2	+18.9	+36.8	+65.9
안동시	122.6	135.7	142.5	156.1	158.0	167.1	170.7	180.2	190.2	139.1	157.0	185.2
		+13.1	+19.9	+33.5	+35.4	+44.5	+48.1	+57.6	+67.6	+16.5	+34.4	+62.6
영덕군	103.4	124.2	130.8	145.7	148.2	159.6	163.3	174.8	185.5	127.5	146.9	180.2
		+20.8	+27.4	+42.3	+44.8	+56.2	+59.9	+71.4	+82.1	+24.1	+43.5	+76.8
영양군	95.4	112.0	116.8	131.7	134.7	145.7	149.2	160.7	170.5	114.4	133.2	165.6
		+16.6	+21.4	+36.3	+39.3	+50.3	+53.8	+65.3	+75.1	+19.0	+37.8	+70.2
영주시	121.9	133.5	141.7	154.6	156.5	166.0	169.4	179.1	188.8	137.6	155.6	184.0
		+11.6	+19.8	+32.7	+34.6	+44.1	+47.5	+57.2	+66.9	+15.7	+33.7	+62.1
영천시	126.2	142.6	149.4	163.0	165.1	173.7	178.4	187.0	197.7	146.0	164.0	192.4
		+16.4	+23.2	+36.8	+38.9	+47.5	+52.2	+60.8	+71.5	+19.8	+37.8	+66.2
예천군	122.8	134.9	142.4	155.7	158.0	167.5	170.5	180.9	190.2	138.7	156.9	185.5
		+12.1	+19.6	+32.9	+35.2	+44.7	+47.7	+58.1	+67.4	+15.9	+34.1	+62.7
울릉군	55.4	72.7	80.4	89.2	97.8	108.9	117.1	129.0	138.1	76.6	93.5	133.5
		+17.3	+25.0	+33.8	+42.4	+53.5	+61.7	+73.6	+82.7	+21.2	+38.1	+78.1
울진군	82.7	105.0	111.2	126.5	130.1	142.8	147.7	159.6	170.0	108.1	128.3	164.8
		+22.3	+28.5	+43.8	+47.4	+60.1	+65.0	+76.9	+87.3	+25.4	+45.6	+82.1
의성군	129.1	142.2	149.1	161.9	164.1	172.4	176.2	185.4	195.4	145.7	163.0	190.4
		+13.1	+20.0	+32.8	+35.0	+43.3	+47.1	+56.3	+66.3	+16.6	+33.9	+61.3
청도군	124.4	141.3	147.2	161.4	163.7	172.1	177.2	186.1	197.1	144.3	162.5	191.6
		+16.9	+22.8	+37.0	+39.3	+47.7	+52.8	+61.7	+72.7	+19.9	+38.1	+67.2
청송군	113.0	127.0	132.4	147.0	149.4	159.0	162.5	172.8	182.4	129.7	148.2	177.6
		+14.0	+19.4	+34.0	+36.4	+46.0	+49.5	+59.8	+69.4	+16.7	+35.2	+64.6
칠곡군	134.0	147.7	155.2	167.6	169.6	177.9	181.7	190.8	201.2	151.4	168.6	196.0
		+13.7	+21.2	+33.6	+35.6	+43.9	+47.7	+56.8	+67.2	+17.4	+34.6	+62.0
포항시	100.9	124.0	129.7	146.0	149.2	160.4	165.5	177.2	188.5	126.9	147.6	182.8
		+23.1	+28.8	+45.1	+48.3	+59.5	+64.6	+76.3	+87.6	+26.0	+46.7	+81.9

표 4-44. 경상북도의 여름일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	115.0	131.1	139.3	148.6	157.5	170.7	182.0	192.0	201.0	135.2	153.0	196.5
		+16.1	+24.3	+33.6	+42.5	+55.7	+67.0	+77.0	+86.0	+20.2	+38.0	+81.5
경산시	135.7	152.9	159.9	168.1	177.4	189.0	199.2	208.1	216.1	156.4	172.8	212.1
		+17.2	+24.2	+32.4	+41.7	+53.3	+63.5	+72.4	+80.4	+20.7	+37.1	+76.4
경주시	113.9	132.3	141.3	149.7	161.4	174.5	186.7	198.2	207.2	136.8	155.5	202.7
		+18.4	+27.4	+35.8	+47.5	+60.6	+72.8	+84.3	+93.3	+22.9	+41.6	+88.8
고령군	129.3	145.6	154.0	162.2	171.6	183.8	195.1	203.5	212.4	149.8	166.9	208.0
		+16.3	+24.7	+32.9	+42.3	+54.5	+65.8	+74.2	+83.1	+20.5	+37.6	+78.7
구미시	130.8	145.5	153.3	161.6	170.7	182.3	192.6	201.1	209.7	149.4	166.1	205.4
		+14.7	+22.5	+30.8	+39.9	+51.5	+61.8	+70.3	+78.9	+18.6	+35.3	+74.6
군위군	123.7	138.3	146.2	153.8	163.5	175.3	185.5	194.5	203.7	142.2	158.7	199.1
		+14.6	+22.5	+30.1	+39.8	+51.6	+61.8	+70.8	+80.0	+18.5	+35.0	+75.4
김천시	126.0	141.4	149.4	157.6	167.0	178.7	189.1	197.6	206.5	145.4	162.3	202.0
		+15.4	+23.4	+31.6	+41.0	+52.7	+63.1	+71.6	+80.5	+19.4	+36.3	+76.0
문경시	118.2	133.3	141.6	150.4	158.7	170.4	181.1	189.8	199.8	137.5	154.6	194.8
		+15.1	+23.4	+32.2	+40.5	+52.2	+62.9	+71.6	+81.6	+19.3	+36.4	+76.6
봉화군	102.6	115.8	125.3	135.4	142.0	156.5	168.1	178.9	187.7	120.5	138.7	183.3
		+13.2	+22.7	+32.8	+39.4	+53.9	+65.5	+76.3	+85.1	+17.9	+36.1	+80.7
상주시	120.7	136.0	144.0	153.0	161.5	172.9	183.5	191.9	201.5	140.0	157.2	196.7
		+15.3	+23.3	+32.3	+40.8	+52.2	+62.8	+71.2	+80.8	+19.3	+36.5	+76.0
성주군	127.6	143.8	152.0	160.2	169.6	181.6	192.6	201.0	209.9	147.9	164.9	205.4
		+16.2	+24.4	+32.6	+42.0	+54.0	+65.0	+73.4	+82.3	+20.3	+37.3	+77.8
안동시	122.6	136.1	144.4	152.9	161.9	173.6	184.4	193.4	202.6	140.2	157.4	198.0
		+13.5	+21.8	+30.3	+39.3	+51.0	+61.8	+70.8	+80.0	+17.6	+34.8	+75.4
영덕군	103.4	123.8	132.0	141.2	151.3	166.2	179.8	190.9	199.8	127.9	146.3	195.3
		+20.4	+28.6	+37.8	+47.9	+62.8	+76.4	+87.5	+96.4	+24.5	+42.9	+91.9
영양군	95.4	109.7	119.5	129.3	136.8	152.1	164.0	176.2	185.1	114.6	133.0	180.6
		+14.3	+24.1	+33.9	+41.4	+56.7	+68.6	+80.8	+89.7	+19.2	+37.6	+85.2
영주시	121.9	134.8	142.8	151.7	160.2	172.1	183.2	191.7	201.2	138.8	156.0	196.5
		+12.9	+20.9	+29.8	+38.3	+50.2	+61.3	+69.8	+79.3	+16.9	+34.1	+74.6
영천시	126.2	142.8	150.9	158.8	168.8	181.0	191.7	200.8	209.5	146.9	163.8	205.1
		+16.6	+24.7	+32.6	+42.6	+54.8	+65.5	+74.6	+83.3	+20.7	+37.6	+78.9
예천군	122.8	136.5	144.7	153.5	162.3	173.8	184.5	192.9	202.8	140.6	157.9	197.8
		+13.7	+21.9	+30.7	+39.5	+51.0	+61.7	+70.1	+80.0	+17.8	+35.1	+75.0
울릉군	55.4	71.2	74.3	95.0	96.6	116.8	129.3	143.6	152.9	72.8	95.8	148.2
		+15.8	+18.9	+39.6	+41.2	+61.4	+73.9	+88.2	+97.5	+17.4	+40.4	+92.8
울진군	82.7	102.7	111.9	124.1	132.5	149.5	163.8	177.9	187.1	107.3	128.3	182.5
		+20.0	+29.2	+41.4	+49.8	+66.8	+81.1	+95.2	+104.4	+24.6	+45.6	+99.8
의성군	129.1	143.4	150.8	159.1	168.2	179.6	189.5	197.9	207.2	147.1	163.7	202.6
		+14.3	+21.7	+30.0	+39.1	+50.5	+60.4	+68.8	+78.1	+18.0	+34.6	+73.5
청도군	124.4	141.0	149.5	157.3	166.7	179.6	190.7	200.4	208.8	145.3	162.0	204.6
		+16.6	+25.1	+32.9	+42.3	+55.2	+66.3	+76.0	+84.4	+20.9	+37.6	+80.2
청송군	113.0	125.9	135.5	143.2	152.7	165.5	176.0	186.7	195.0	130.7	147.9	190.9
		+12.9	+22.5	+30.2	+39.7	+52.5	+63.0	+73.7	+82.0	+17.7	+34.9	+77.9
칠곡군	134.0	148.7	156.5	164.5	173.4	185.1	195.5	203.6	211.9	152.6	168.9	207.8
		+14.7	+22.5	+30.5	+39.4	+51.1	+61.5	+69.6	+77.9	+18.6	+34.9	+73.8
포항시	100.9	122.8	131.8	141.5	152.9	167.8	181.5	194.0	203.2	127.3	147.2	198.6
		+21.9	+30.9	+40.6	+52.0	+66.9	+80.6	+93.1	+102.3	+26.4	+46.3	+97.7

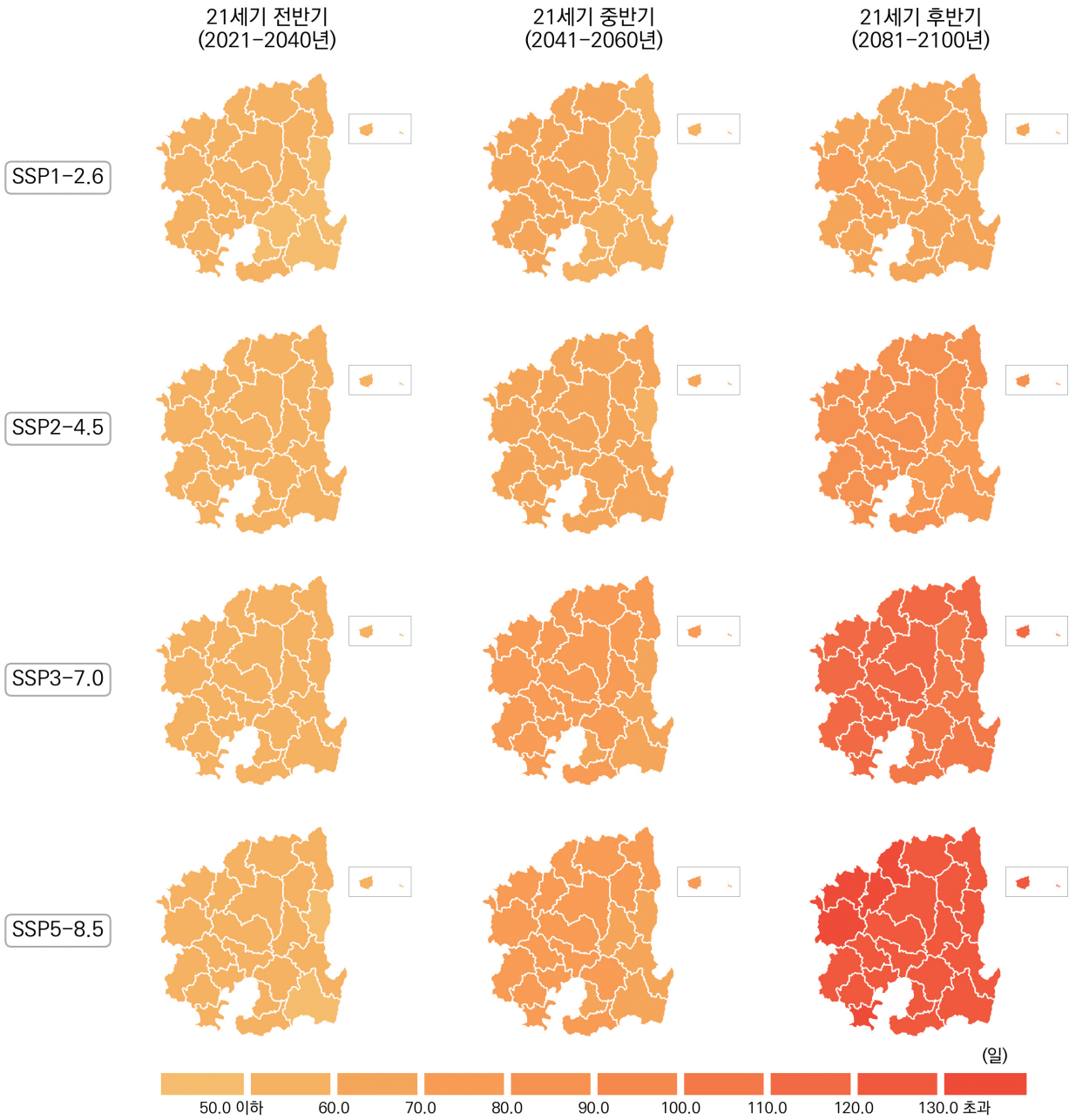


그림 4-21. 경상북도의 온난일(일) 전망 분포도

표 4-45. 경상북도의 온난일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.2	49.3	54.0	60.9	57.6	61.0	63.1	68.7	64.4	51.6	59.2	66.5
		+13.1	+17.8	+24.7	+21.4	+24.8	+26.9	+32.5	+28.2	+15.4	+23.0	+30.3
경산시	36.1	46.2	49.9	58.0	54.6	57.3	59.2	65.9	61.1	48.1	56.3	63.5
		+10.1	+13.8	+21.9	+18.5	+21.2	+23.1	+29.8	+25.0	+12.0	+20.2	+27.4
경주시	36.4	45.7	50.3	56.9	55.0	57.1	58.8	64.5	59.0	48.0	55.9	61.7
		+9.3	+13.9	+20.5	+18.6	+20.7	+22.4	+28.1	+22.6	+11.6	+19.5	+25.3
고령군	35.8	49.3	54.9	61.9	58.8	62.9	65.1	70.5	68.0	52.1	60.4	69.2
		+13.5	+19.1	+26.1	+23.0	+27.1	+29.3	+34.7	+32.2	+16.3	+24.6	+33.4
구미시	36.1	51.6	56.0	63.7	59.6	63.1	65.3	71.6	68.8	53.8	61.6	70.2
		+15.5	+19.9	+27.6	+23.5	+27.0	+29.2	+35.5	+32.7	+17.7	+25.5	+34.1
군위군	36.6	51.2	55.0	62.9	58.2	62.2	64.1	70.8	66.8	53.1	60.5	68.8
		+14.6	+18.4	+26.3	+21.6	+25.6	+27.5	+34.2	+30.2	+16.5	+23.9	+32.2
김천시	36.3	50.7	55.6	62.1	58.5	62.8	64.8	70.1	68.2	53.2	60.3	69.2
		+14.4	+19.3	+25.8	+22.2	+26.5	+28.5	+33.8	+31.9	+16.9	+24.0	+32.9
문경시	35.6	51.7	57.3	63.1	59.4	63.6	66.8	71.8	68.2	54.5	61.2	70.0
		+16.1	+21.7	+27.5	+23.8	+28.0	+31.2	+36.2	+32.6	+18.9	+25.6	+34.4
봉화군	36.3	50.9	56.3	63.0	58.4	62.9	64.4	69.4	64.7	53.6	60.7	67.1
		+14.6	+20.0	+26.7	+22.1	+26.6	+28.1	+33.1	+28.4	+17.3	+24.4	+30.8
상주시	36.1	51.8	57.2	63.2	59.8	63.6	66.6	71.9	68.9	54.5	61.5	70.4
		+15.7	+21.1	+27.1	+23.7	+27.5	+30.5	+35.8	+32.8	+18.4	+25.4	+34.3
성주군	36.6	50.3	55.4	62.8	59.3	63.0	65.4	70.8	68.3	52.9	61.0	69.5
		+13.7	+18.8	+26.2	+22.7	+26.4	+28.8	+34.2	+31.7	+16.3	+24.4	+32.9
안동시	35.8	51.4	55.1	62.9	57.7	62.5	64.1	69.9	66.3	53.2	60.3	68.1
		+15.6	+19.3	+27.1	+21.9	+26.7	+28.3	+34.1	+30.5	+17.4	+24.5	+32.3
영덕군	35.9	45.9	50.0	55.7	54.0	56.1	58.2	63.2	56.8	48.0	54.9	60.0
		+10.0	+14.1	+19.8	+18.1	+20.2	+22.3	+27.3	+20.9	+12.1	+19.0	+24.1
영양군	37.0	50.0	53.2	60.5	56.5	60.9	62.0	67.2	62.1	51.6	58.5	64.6
		+13.0	+16.2	+23.5	+19.5	+23.9	+25.0	+30.2	+25.1	+14.6	+21.5	+27.6
영주시	36.0	51.1	56.4	63.0	58.2	63.3	65.3	70.3	66.7	53.8	60.6	68.5
		+15.1	+20.4	+27.0	+22.2	+27.3	+29.3	+34.3	+30.7	+17.8	+24.6	+32.5
영천시	36.6	47.3	51.2	59.0	55.6	58.6	60.1	67.0	61.7	49.2	57.3	64.4
		+10.7	+14.6	+22.4	+19.0	+22.0	+23.5	+30.4	+25.1	+12.6	+20.7	+27.8
예천군	36.2	51.6	57.0	63.2	59.3	63.7	66.5	71.5	68.4	54.3	61.3	69.9
		+15.4	+20.8	+27.0	+23.1	+27.5	+30.3	+35.3	+32.2	+18.1	+25.1	+33.7
울릉군	35.7	46.7	53.9	59.6	59.6	62.0	66.1	67.3	63.0	50.3	59.6	65.1
		+11.0	+18.2	+23.9	+23.9	+26.3	+30.4	+31.6	+27.3	+14.6	+23.9	+29.4
울진군	36.0	48.7	54.5	59.1	58.1	60.2	62.1	67.2	60.3	51.6	58.6	63.8
		+12.7	+18.5	+23.1	+22.1	+24.2	+26.1	+31.2	+24.3	+15.6	+22.6	+27.8
의성군	36.4	51.4	55.0	62.7	57.9	62.3	64.2	70.2	66.8	53.2	60.3	68.5
		+15.0	+18.6	+26.3	+21.5	+25.9	+27.8	+33.8	+30.4	+16.8	+23.9	+32.1
청도군	36.1	48.0	52.6	60.5	56.9	60.4	62.2	68.5	64.6	50.3	58.7	66.6
		+11.9	+16.5	+24.4	+20.8	+24.3	+26.1	+32.4	+28.5	+14.2	+22.6	+30.5
청송군	36.3	48.6	51.8	59.5	55.4	59.5	60.6	66.7	62.0	50.2	57.5	64.4
		+12.3	+15.5	+23.2	+19.1	+23.2	+24.3	+30.4	+25.7	+13.9	+21.2	+28.1
칠곡군	36.6	50.8	55.3	63.0	58.8	62.3	64.8	70.9	67.7	53.0	60.9	69.3
		+14.2	+18.7	+26.4	+22.2	+25.7	+28.2	+34.3	+31.1	+16.4	+24.3	+32.7
포항시	36.3	46.4	50.7	57.7	55.8	57.4	58.9	65.0	58.7	48.5	56.8	61.9
		+10.1	+14.4	+21.4	+19.5	+21.1	+22.6	+28.7	+22.4	+12.2	+20.5	+25.6

표 4-46. 경상북도의 온난일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.2	51.8	59.2	63.6	67.4	76.6	73.4	79.5	86.2	55.5	65.5	82.8
		+15.6	+23.0	+27.4	+31.2	+40.4	+37.2	+43.3	+50.0	+19.3	+29.3	+46.6
경산시	36.1	48.7	55.7	61.3	63.4	72.7	69.6	75.7	80.9	52.2	62.4	78.3
		+12.6	+19.6	+25.2	+27.3	+36.6	+33.5	+39.6	+44.8	+16.1	+26.3	+42.2
경주시	36.4	48.8	54.6	59.6	62.6	72.1	70.1	75.4	81.3	51.7	61.1	78.3
		+12.4	+18.2	+23.2	+26.2	+35.7	+33.7	+39.0	+44.9	+15.3	+24.7	+41.9
고령군	35.8	53.4	60.3	66.3	69.8	77.8	74.8	82.7	87.6	56.8	68.0	85.2
		+17.6	+24.5	+30.5	+34.0	+42.0	+39.0	+46.9	+51.8	+21.0	+32.2	+49.4
구미시	36.1	54.1	62.0	66.3	69.7	78.7	75.5	82.3	88.3	58.0	68.0	85.3
		+18.0	+25.9	+30.2	+33.6	+42.6	+39.4	+46.2	+52.2	+21.9	+31.9	+49.2
군위군	36.6	53.2	61.4	65.5	68.5	77.6	74.2	80.4	86.5	57.3	67.0	83.5
		+16.6	+24.8	+28.9	+31.9	+41.0	+37.6	+43.8	+49.9	+20.7	+30.4	+46.9
김천시	36.3	53.2	61.0	65.7	69.5	77.9	74.6	81.3	87.9	57.1	67.6	84.6
		+16.9	+24.7	+29.4	+33.2	+41.6	+38.3	+45.0	+51.6	+20.8	+31.3	+48.3
문경시	35.6	52.6	62.5	65.8	71.4	79.8	75.1	81.6	89.1	57.5	68.6	85.4
		+17.0	+26.9	+30.2	+35.8	+44.2	+39.5	+46.0	+53.5	+21.9	+33.0	+49.8
봉화군	36.3	53.6	61.4	65.4	69.3	79.1	74.3	79.6	88.0	57.5	67.4	83.8
		+17.3	+25.1	+29.1	+33.0	+42.8	+38.0	+43.3	+51.7	+21.2	+31.1	+47.5
상주시	36.1	53.3	62.6	66.0	71.3	79.7	75.5	81.9	89.4	58.0	68.7	85.7
		+17.2	+26.5	+29.9	+35.2	+43.6	+39.4	+45.8	+53.3	+21.9	+32.6	+49.6
성주군	36.6	53.8	60.7	66.2	69.9	77.8	75.0	82.3	88.0	57.3	68.1	85.1
		+17.2	+24.1	+29.6	+33.3	+41.2	+38.4	+45.7	+51.4	+20.7	+31.5	+48.5
안동시	35.8	52.7	61.1	65.0	68.7	77.7	74.0	79.7	87.5	56.9	66.8	83.6
		+16.9	+25.3	+29.2	+32.9	+41.9	+38.2	+43.9	+51.7	+21.1	+31.0	+47.8
영덕군	35.9	48.0	53.9	57.2	61.6	71.6	69.5	74.1	81.5	51.0	59.4	77.8
		+12.1	+18.0	+21.3	+25.7	+35.7	+33.6	+38.2	+45.6	+15.1	+23.5	+41.9
영양군	37.0	52.1	58.9	63.3	65.5	75.7	72.7	76.4	85.3	55.5	64.4	80.9
		+15.1	+21.9	+26.3	+28.5	+38.7	+35.7	+39.4	+48.3	+18.5	+27.4	+43.9
영주시	36.0	52.8	61.9	65.2	70.0	79.5	74.5	80.8	88.4	57.4	67.6	84.6
		+16.8	+25.9	+29.2	+34.0	+43.5	+38.5	+44.8	+52.4	+21.4	+31.6	+48.6
영천시	36.6	50.0	57.3	62.1	64.5	73.9	70.8	76.7	82.8	53.6	63.3	79.7
		+13.4	+20.7	+25.5	+27.9	+37.3	+34.2	+40.1	+46.2	+17.0	+26.7	+43.1
예천군	36.2	52.9	62.5	65.7	70.8	79.8	75.2	81.6	89.2	57.7	68.2	85.4
		+16.7	+26.3	+29.5	+34.6	+43.6	+39.0	+45.4	+53.0	+21.5	+32.0	+49.2
울릉군	35.7	51.0	56.3	62.8	67.8	79.7	77.2	85.9	91.8	53.7	65.3	88.9
		+15.3	+20.6	+27.1	+32.1	+44.0	+41.5	+50.2	+56.1	+18.0	+29.6	+53.2
울진군	36.0	51.6	57.7	62.1	66.9	76.2	74.5	80.4	87.8	54.6	64.5	84.1
		+15.6	+21.7	+26.1	+30.9	+40.2	+38.5	+44.4	+51.8	+18.6	+28.5	+48.1
의성군	36.4	53.1	61.3	64.9	68.4	77.4	73.8	79.8	86.7	57.2	66.7	83.2
		+16.7	+24.9	+28.5	+32.0	+41.0	+37.4	+43.4	+50.3	+20.8	+30.3	+46.8
청도군	36.1	51.3	58.1	63.9	66.3	76.2	73.3	79.6	84.7	54.7	65.1	82.1
		+15.2	+22.0	+27.8	+30.2	+40.1	+37.2	+43.5	+48.6	+18.6	+29.0	+46.0
청송군	36.3	50.7	57.8	62.0	64.4	73.9	71.0	75.4	82.5	54.2	63.2	79.0
		+14.4	+21.5	+25.7	+28.1	+37.6	+34.7	+39.1	+46.2	+17.9	+26.9	+42.7
칠곡군	36.6	53.4	61.1	65.8	69.1	77.6	74.8	81.5	87.2	57.2	67.4	84.4
		+16.8	+24.5	+29.2	+32.5	+41.0	+38.2	+44.9	+50.6	+20.6	+30.8	+47.8
포항시	36.3	49.2	55.4	59.6	63.4	72.8	71.2	76.1	83.0	52.3	61.5	79.5
		+12.9	+19.1	+23.3	+27.1	+36.5	+34.9	+39.8	+46.7	+16.0	+25.2	+43.2

표 4-47. 경상북도의 온난일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.2	52.9	55.3	69.7	76.3	83.9	91.2	107.0	114.6	54.1	73.0	110.8
		+16.7	+19.1	+33.5	+40.1	+47.7	+55.0	+70.8	+78.4	+17.9	+36.8	+74.6
경산시	36.1	50.4	52.3	65.5	72.8	78.0	87.3	102.3	109.4	51.4	69.2	105.8
		+14.3	+16.2	+29.4	+36.7	+41.9	+51.2	+66.2	+73.3	+15.3	+33.1	+69.7
경주시	36.4	49.1	52.8	64.4	71.5	77.4	87.1	101.1	108.6	51.0	68.0	104.9
		+12.7	+16.4	+28.0	+35.1	+41.0	+50.7	+64.7	+72.2	+14.6	+31.6	+68.5
고령군	35.8	54.1	56.4	71.8	78.5	85.3	93.6	109.8	117.7	55.2	75.1	113.8
		+18.3	+20.6	+36.0	+42.7	+49.5	+57.8	+74.0	+81.9	+19.4	+39.3	+78.0
구미시	36.1	54.8	56.6	73.2	78.7	87.0	93.7	110.5	117.7	55.7	76.0	114.1
		+18.7	+20.5	+37.1	+42.6	+50.9	+57.6	+74.4	+81.6	+19.6	+39.9	+78.0
군위군	36.6	55.1	56.1	71.4	77.7	85.1	92.2	107.9	115.0	55.6	74.5	111.5
		+18.5	+19.5	+34.8	+41.1	+48.5	+55.6	+71.3	+78.4	+19.0	+37.9	+74.9
김천시	36.3	53.8	56.1	72.0	77.8	86.5	92.8	110.3	117.5	55.0	74.9	113.9
		+17.5	+19.8	+35.7	+41.5	+50.2	+56.5	+74.0	+81.2	+18.7	+38.6	+77.6
문경시	35.6	54.5	56.0	73.2	80.2	89.0	93.5	111.6	119.2	55.2	76.7	115.4
		+18.9	+20.4	+37.6	+44.6	+53.4	+57.9	+76.0	+83.6	+19.6	+41.1	+79.8
봉화군	36.3	54.4	57.2	71.9	78.3	86.6	92.4	108.5	116.0	55.8	75.1	112.2
		+18.1	+20.9	+35.6	+42.0	+50.3	+56.1	+72.2	+79.7	+19.5	+38.8	+75.9
상주시	36.1	54.5	56.4	73.0	79.8	88.7	94.0	111.7	119.5	55.4	76.4	115.6
		+18.4	+20.3	+36.9	+43.7	+52.6	+57.9	+75.6	+83.4	+19.3	+40.3	+79.5
성주군	36.6	54.3	56.4	72.4	78.5	86.2	93.1	110.0	117.4	55.4	75.4	113.7
		+17.7	+19.8	+35.8	+41.9	+49.6	+56.5	+73.4	+80.8	+18.8	+38.8	+77.1
안동시	35.8	54.1	55.3	71.7	78.5	86.0	92.0	108.6	116.7	54.7	75.1	112.6
		+18.3	+19.5	+35.9	+42.7	+50.2	+56.2	+72.8	+80.9	+18.9	+39.3	+76.8
영덕군	35.9	48.7	52.7	64.0	70.6	77.7	85.5	100.5	108.7	50.7	67.3	104.6
		+12.8	+16.8	+28.1	+34.7	+41.8	+49.6	+64.6	+72.8	+14.8	+31.4	+68.7
영양군	37.0	52.5	55.0	69.1	76.2	82.9	89.9	105.4	113.3	53.8	72.7	109.3
		+15.5	+18.0	+32.1	+39.2	+45.9	+52.9	+68.4	+76.3	+16.8	+35.7	+72.3
영주시	36.0	54.4	56.5	72.9	79.2	88.1	93.1	110.0	117.5	55.5	76.1	113.7
		+18.4	+20.5	+36.9	+43.2	+52.1	+57.1	+74.0	+81.5	+19.5	+40.1	+77.7
영천시	36.6	51.3	53.3	66.9	73.8	79.7	88.7	103.5	110.8	52.3	70.3	107.1
		+14.7	+16.7	+30.3	+37.2	+43.1	+52.1	+66.9	+74.2	+15.7	+33.7	+70.5
예천군	36.2	54.9	56.2	73.2	79.5	88.5	93.4	110.8	118.6	55.5	76.3	114.7
		+18.7	+20.0	+37.0	+43.3	+52.3	+57.2	+74.6	+82.4	+19.3	+40.1	+78.5
울릉군	35.7	52.9	57.9	67.2	75.0	84.8	93.4	108.1	117.0	55.4	71.1	112.5
		+17.2	+22.2	+31.5	+39.3	+49.1	+57.7	+72.4	+81.3	+19.7	+35.4	+76.8
울진군	36.0	51.6	56.5	68.7	74.6	83.8	91.8	106.1	114.0	54.0	71.6	110.1
		+15.6	+20.5	+32.7	+38.6	+47.8	+55.8	+70.1	+78.0	+18.0	+35.6	+74.1
의성군	36.4	54.5	55.3	71.7	77.7	85.4	91.7	108.2	115.7	54.9	74.7	112.0
		+18.1	+18.9	+35.3	+41.3	+49.0	+55.3	+71.8	+79.3	+18.5	+38.3	+75.6
청도군	36.1	52.9	55.0	68.5	76.3	81.3	91.1	106.0	113.7	53.9	72.4	109.9
		+16.8	+18.9	+32.4	+40.2	+45.2	+55.0	+69.9	+77.6	+17.8	+36.3	+73.8
청송군	36.3	51.7	53.8	67.7	74.7	80.4	88.1	103.2	110.7	52.7	71.2	106.9
		+15.4	+17.5	+31.4	+38.4	+44.1	+51.8	+66.9	+74.4	+16.4	+34.9	+70.6
칠곡군	36.6	54.6	56.3	72.1	78.1	85.5	92.5	108.8	115.9	55.5	75.1	112.3
		+18.0	+19.7	+35.5	+41.5	+48.9	+55.9	+72.2	+79.3	+18.9	+38.5	+75.7
포항시	36.3	49.6	53.5	64.7	71.7	79.2	88.5	102.3	110.3	51.5	68.2	106.3
		+13.3	+17.2	+28.4	+35.4	+42.9	+52.2	+66.0	+74.0	+15.2	+31.9	+70.0

표 4-48. 경상북도의 온난일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.2	52.3	56.0	71.5	74.9	93.3	105.1	120.7	134.1	54.2	73.2	127.4
		+16.1	+19.8	+35.3	+38.7	+57.1	+68.9	+84.5	+97.9	+18.0	+37.0	+91.2
경산시	36.1	49.5	52.5	66.4	72.0	87.3	100.1	115.6	128.8	51.0	69.2	122.2
		+13.4	+16.4	+30.3	+35.9	+51.2	+64.0	+79.5	+92.7	+14.9	+33.1	+86.1
경주시	36.4	49.0	50.5	65.4	70.3	87.0	99.2	114.6	130.2	49.7	67.9	122.4
		+12.6	+14.1	+29.0	+33.9	+50.6	+62.8	+78.2	+93.8	+13.3	+31.5	+86.0
고령군	35.8	53.9	58.2	73.3	79.0	95.3	108.0	123.2	137.4	56.0	76.1	130.3
		+18.1	+22.4	+37.5	+43.2	+59.5	+72.2	+87.4	+101.6	+20.2	+40.3	+94.5
구미시	36.1	54.9	59.6	74.9	78.9	96.5	107.9	123.0	136.6	57.2	76.9	129.8
		+18.8	+23.5	+38.8	+42.8	+60.4	+71.8	+86.9	+100.5	+21.1	+40.8	+93.7
군위군	36.6	54.2	58.8	73.1	76.5	95.3	105.6	121.0	133.8	56.5	74.8	127.4
		+17.6	+22.2	+36.5	+39.9	+58.7	+69.0	+84.4	+97.2	+19.9	+38.2	+90.8
김천시	36.3	54.3	59.0	74.2	78.7	95.5	107.6	122.7	136.1	56.7	76.5	129.4
		+18.0	+22.7	+37.9	+42.4	+59.2	+71.3	+86.4	+99.8	+20.4	+40.2	+93.1
문경시	35.6	55.0	59.9	76.4	78.9	97.8	110.1	126.2	137.8	57.5	77.6	132.0
		+19.4	+24.3	+40.8	+43.3	+62.2	+74.5	+90.6	+102.2	+21.9	+42.0	+96.4
봉화군	36.3	53.2	58.1	73.2	75.1	95.3	106.6	122.7	136.0	55.7	74.1	129.4
		+16.9	+21.8	+36.9	+38.8	+59.0	+70.3	+86.4	+99.7	+19.4	+37.8	+93.1
상주시	36.1	55.7	60.0	76.5	79.4	97.7	109.9	125.5	137.4	57.9	78.0	131.5
		+19.6	+23.9	+40.4	+43.3	+61.6	+73.8	+89.4	+101.3	+21.8	+41.9	+95.4
성주군	36.6	54.2	59.1	74.1	78.9	95.6	107.7	122.8	137.0	56.6	76.5	129.9
		+17.6	+22.5	+37.5	+42.3	+59.0	+71.1	+86.2	+100.4	+20.0	+39.9	+93.3
안동시	35.8	53.3	58.5	73.6	75.6	95.9	106.7	123.3	135.2	55.9	74.6	129.3
		+17.5	+22.7	+37.8	+39.8	+60.1	+70.9	+87.5	+99.4	+20.1	+38.8	+93.5
영덕군	35.9	47.5	49.7	65.7	67.6	86.5	98.7	113.8	128.1	48.6	66.6	121.0
		+11.6	+13.8	+29.8	+31.7	+50.6	+62.8	+77.9	+92.2	+12.7	+30.7	+85.1
영양군	37.0	51.4	55.3	69.8	72.5	91.9	103.5	119.3	133.0	53.4	71.2	126.2
		+14.4	+18.3	+32.8	+35.5	+54.9	+66.5	+82.3	+96.0	+16.4	+34.2	+89.2
영주시	36.0	53.5	59.1	74.9	76.9	97.0	108.9	125.0	137.2	56.3	75.9	131.1
		+17.5	+23.1	+38.9	+40.9	+61.0	+72.9	+89.0	+101.2	+20.3	+39.9	+95.1
영천시	36.6	50.3	53.6	68.0	72.5	89.5	101.3	116.9	130.5	51.9	70.3	123.7
		+13.7	+17.0	+31.4	+35.9	+52.9	+64.7	+80.3	+93.9	+15.3	+33.7	+87.1
예천군	36.2	54.7	59.9	76.0	78.6	97.5	109.6	125.7	137.3	57.3	77.3	131.5
		+18.5	+23.7	+39.8	+42.4	+61.3	+73.4	+89.5	+101.1	+21.1	+41.1	+95.3
울릉군	35.7	51.0	51.7	73.1	72.7	94.5	106.2	123.1	134.3	51.4	72.9	128.7
		+15.3	+16.0	+37.4	+37.0	+58.8	+70.5	+87.4	+98.6	+15.7	+37.2	+93.0
울진군	36.0	50.6	52.7	70.4	72.1	92.9	104.8	121.3	135.9	51.7	71.3	128.6
		+14.6	+16.7	+34.4	+36.1	+56.9	+68.8	+85.3	+99.9	+15.7	+35.3	+92.6
의성군	36.4	53.9	58.8	73.7	76.5	95.4	105.9	121.9	134.2	56.4	75.1	128.0
		+17.5	+22.4	+37.3	+40.1	+59.0	+69.5	+85.5	+97.8	+20.0	+38.7	+91.6
청도군	36.1	52.1	55.0	69.3	75.7	91.6	104.3	119.5	133.0	53.5	72.5	126.2
		+16.0	+18.9	+33.2	+39.6	+55.5	+68.2	+83.4	+96.9	+17.4	+36.4	+90.1
청송군	36.3	50.6	54.4	68.3	71.4	89.9	100.9	116.2	129.3	52.5	69.8	122.8
		+14.3	+18.1	+32.0	+35.1	+53.6	+64.6	+79.9	+93.0	+16.2	+33.5	+86.5
칠곡군	36.6	54.1	58.7	73.5	77.8	94.9	106.6	121.4	135.1	56.4	75.6	128.3
		+17.5	+22.1	+36.9	+41.2	+58.3	+70.0	+84.8	+98.5	+19.8	+39.0	+91.7
포항시	36.3	49.2	51.0	66.3	70.0	88.4	101.0	116.4	132.2	50.1	68.1	124.3
		+12.9	+14.7	+30.0	+33.7	+52.1	+64.7	+80.1	+95.9	+13.8	+31.8	+88.0

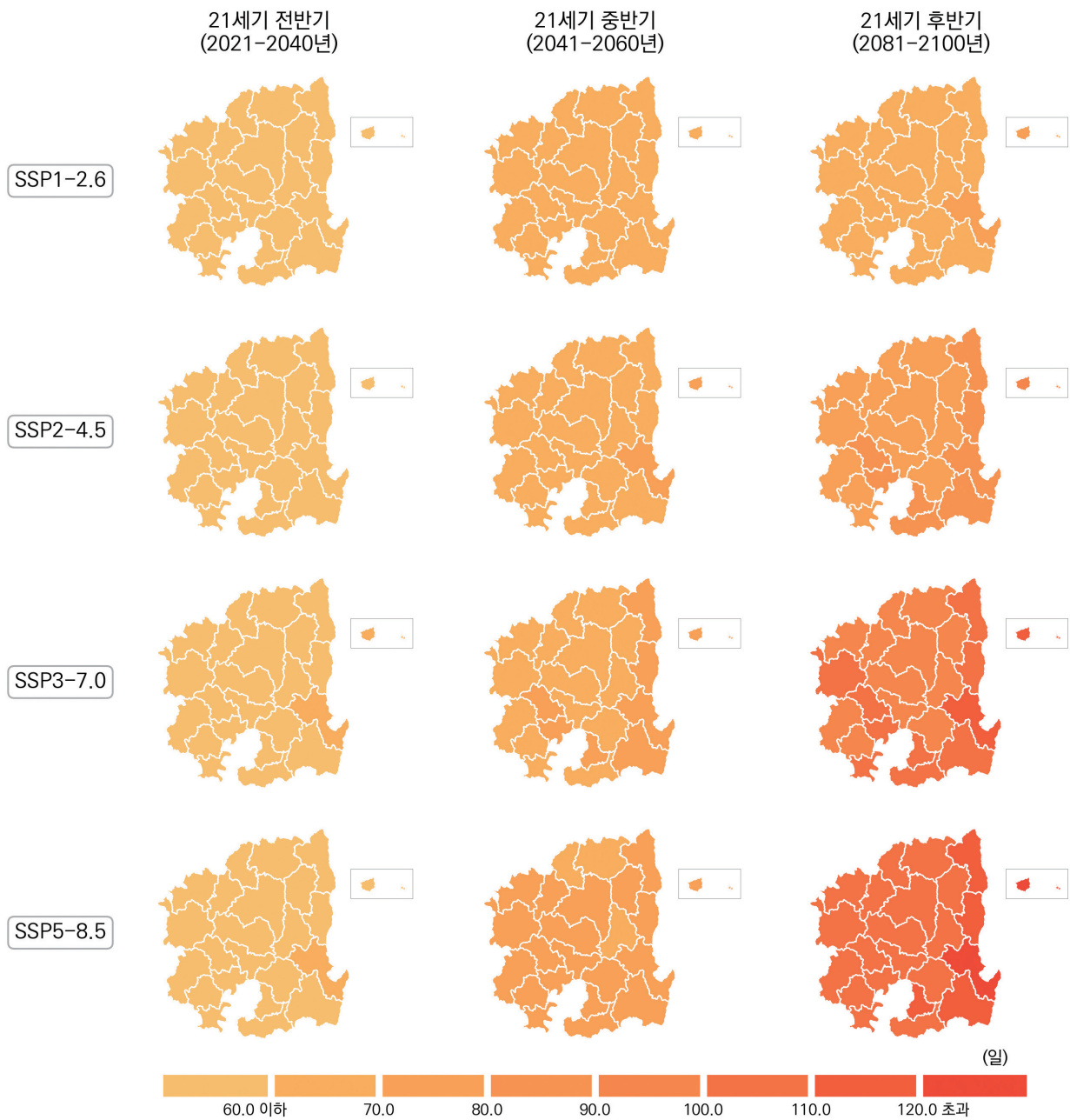


그림 4-22. 경상북도의 온난야(일) 전망 분포도

표 4-49. 경상북도의 온난야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.3	52.6	56.5	62.3	62.9	62.5	65.0	67.0	63.6	54.6	62.6	65.3
		+16.3	+20.2	+26.0	+26.6	+26.2	+28.7	+30.7	+27.3	+18.3	+26.3	+29.0
경산시	36.1	52.7	56.7	62.8	63.1	62.9	64.8	67.9	64.1	54.7	63.0	66.0
		+16.6	+20.6	+26.7	+27.0	+26.8	+28.7	+31.8	+28.0	+18.6	+26.9	+29.9
경주시	35.7	53.7	58.3	64.5	64.7	63.7	66.7	69.8	66.6	56.0	64.6	68.2
		+18.0	+22.6	+28.8	+29.0	+28.0	+31.0	+34.1	+30.9	+20.3	+28.9	+32.5
고령군	36.6	52.6	55.9	61.9	62.1	62.1	63.7	66.5	63.1	54.2	62.0	64.8
		+16.0	+19.3	+25.3	+25.5	+25.5	+27.1	+29.9	+26.5	+17.6	+25.4	+28.2
구미시	36.3	52.6	56.0	62.5	63.1	62.9	64.7	66.9	63.1	54.3	62.8	65.0
		+16.3	+19.7	+26.2	+26.8	+26.6	+28.4	+30.6	+26.8	+18.0	+26.5	+28.7
군위군	36.6	52.0	55.8	61.4	61.9	61.5	63.2	65.7	61.6	53.9	61.6	63.7
		+15.4	+19.2	+24.8	+25.3	+24.9	+26.6	+29.1	+25.0	+17.3	+25.0	+27.1
김천시	37.0	52.2	55.4	61.7	61.7	61.7	62.8	65.1	61.4	53.8	61.7	63.3
		+15.2	+18.4	+24.7	+24.7	+24.7	+25.8	+28.1	+24.4	+16.8	+24.7	+26.3
문경시	36.6	52.2	55.1	61.3	61.7	61.6	63.3	65.3	62.0	53.6	61.5	63.6
		+15.6	+18.5	+24.7	+25.1	+25.0	+26.7	+28.7	+25.4	+17.0	+24.9	+27.0
봉화군	36.8	51.7	54.6	59.6	60.6	60.4	63.2	63.8	60.9	53.2	60.1	62.4
		+14.9	+17.8	+22.8	+23.8	+23.6	+26.4	+27.0	+24.1	+16.4	+23.3	+25.6
상주시	36.3	52.5	55.5	61.9	62.0	62.3	63.6	65.8	62.7	54.0	61.9	64.2
		+16.2	+19.2	+25.6	+25.7	+26.0	+27.3	+29.5	+26.4	+17.7	+25.6	+27.9
성주군	36.3	52.4	55.4	61.8	61.8	61.7	63.3	65.7	62.2	53.9	61.8	63.9
		+16.1	+19.1	+25.5	+25.5	+25.4	+27.0	+29.4	+25.9	+17.6	+25.5	+27.6
안동시	36.2	51.6	55.4	60.8	61.6	60.8	63.4	65.2	61.6	53.5	61.2	63.4
		+15.4	+19.2	+24.6	+25.4	+24.6	+27.2	+29.0	+25.4	+17.3	+25.0	+27.2
영덕군	35.9	52.5	57.0	62.4	63.4	62.6	66.9	67.7	64.5	54.7	62.9	66.1
		+16.6	+21.1	+26.5	+27.5	+26.7	+31.0	+31.8	+28.6	+18.8	+27.0	+30.2
영양군	36.3	51.8	55.4	60.5	61.5	60.5	63.6	65.0	61.5	53.6	61.0	63.2
		+15.5	+19.1	+24.2	+25.2	+24.2	+27.3	+28.7	+25.2	+17.3	+24.7	+26.9
영주시	36.6	51.9	54.9	60.3	61.0	60.7	63.1	64.4	61.3	53.4	60.7	62.8
		+15.3	+18.3	+23.7	+24.4	+24.1	+26.5	+27.8	+24.7	+16.8	+24.1	+26.2
영천시	36.1	51.7	55.8	61.5	62.1	61.6	63.4	66.3	62.4	53.8	61.8	64.3
		+15.6	+19.7	+25.4	+26.0	+25.5	+27.3	+30.2	+26.3	+17.7	+25.7	+28.2
예천군	36.8	52.5	55.4	61.4	62.2	61.7	63.5	65.7	62.2	54.0	61.8	64.0
		+15.7	+18.6	+24.6	+25.4	+24.9	+26.7	+28.9	+25.4	+17.2	+25.0	+27.2
울릉군	36.2	53.5	60.9	66.0	67.0	67.3	73.3	71.5	69.9	57.2	66.5	70.7
		+17.3	+24.7	+29.8	+30.8	+31.1	+37.1	+35.3	+33.7	+21.0	+30.3	+34.5
울진군	35.7	53.8	58.0	63.4	64.5	64.5	68.6	69.2	66.2	55.9	63.9	67.7
		+18.1	+22.3	+27.7	+28.8	+28.8	+32.9	+33.5	+30.5	+20.2	+28.2	+32.0
의성군	36.6	52.0	55.7	61.5	62.0	61.4	63.3	65.6	61.8	53.8	61.8	63.7
		+15.4	+19.1	+24.9	+25.4	+24.8	+26.7	+29.0	+25.2	+17.2	+25.2	+27.1
청도군	36.5	52.9	56.6	62.7	62.9	62.8	64.3	67.1	64.0	54.7	62.8	65.6
		+16.4	+20.1	+26.2	+26.4	+26.3	+27.8	+30.6	+27.5	+18.2	+26.3	+29.1
청송군	36.5	50.9	54.9	60.0	61.0	60.0	62.7	64.3	61.0	52.9	60.5	62.7
		+14.4	+18.4	+23.5	+24.5	+23.5	+26.2	+27.8	+24.5	+16.4	+24.0	+26.2
칠곡군	36.5	52.6	55.9	62.1	62.8	62.7	64.5	67.0	62.9	54.3	62.5	64.9
		+16.1	+19.4	+25.6	+26.3	+26.2	+28.0	+30.5	+26.4	+17.8	+26.0	+28.4
포항시	35.5	55.6	60.7	66.8	67.2	66.3	70.3	72.7	69.7	58.2	67.0	71.2
		+20.1	+25.2	+31.3	+31.7	+30.8	+34.8	+37.2	+34.2	+22.7	+31.5	+35.7

표 4-50. 경상북도의 온난야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.3	51.7	59.3	66.1	68.0	73.8	73.9	79.6	82.4	55.5	67.0	81.0
		+15.4	+23.0	+29.8	+31.7	+37.5	+37.6	+43.3	+46.1	+19.2	+30.7	+44.7
경산시	36.1	51.7	59.7	66.4	68.7	74.0	74.2	79.8	82.8	55.7	67.5	81.3
		+15.6	+23.6	+30.3	+32.6	+37.9	+38.1	+43.7	+46.7	+19.6	+31.4	+45.2
경주시	35.7	53.0	61.2	68.5	71.2	76.0	76.1	82.0	85.2	57.1	69.8	83.6
		+17.3	+25.5	+32.8	+35.5	+40.3	+40.4	+46.3	+49.5	+21.4	+34.1	+47.9
고령군	36.6	51.3	58.9	65.1	67.6	72.6	72.9	78.1	81.2	55.1	66.4	79.7
		+14.7	+22.3	+28.5	+31.0	+36.0	+36.3	+41.5	+44.6	+18.5	+29.8	+43.1
구미시	36.3	52.3	59.6	65.9	67.6	73.2	73.8	79.0	81.9	55.9	66.7	80.5
		+16.0	+23.3	+29.6	+31.3	+36.9	+37.5	+42.7	+45.6	+19.6	+30.4	+44.2
군위군	36.6	50.8	58.4	64.8	66.2	71.5	71.9	77.2	79.9	54.6	65.5	78.5
		+14.2	+21.8	+28.2	+29.6	+34.9	+35.3	+40.6	+43.3	+18.0	+28.9	+41.9
김천시	37.0	51.2	58.4	64.5	66.2	71.9	72.4	76.7	79.8	54.8	65.4	78.2
		+14.2	+21.4	+27.5	+29.2	+34.9	+35.4	+39.7	+42.8	+17.8	+28.4	+41.2
문경시	36.6	50.9	58.2	65.2	66.5	72.0	72.3	77.6	80.4	54.6	65.8	79.0
		+14.3	+21.6	+28.6	+29.9	+35.4	+35.7	+41.0	+43.8	+18.0	+29.2	+42.4
봉화군	36.8	49.5	57.0	64.0	65.1	70.5	71.8	76.5	79.2	53.3	64.5	77.8
		+12.7	+20.2	+27.2	+28.3	+33.7	+35.0	+39.7	+42.4	+16.5	+27.7	+41.0
상주시	36.3	51.3	58.9	65.6	66.9	72.6	73.1	77.9	81.3	55.1	66.2	79.6
		+15.0	+22.6	+29.3	+30.6	+36.3	+36.8	+41.6	+45.0	+18.8	+29.9	+43.3
성주군	36.3	51.1	58.6	64.6	66.8	72.1	72.5	77.5	80.3	54.9	65.7	78.9
		+14.8	+22.3	+28.3	+30.5	+35.8	+36.2	+41.2	+44.0	+18.6	+29.4	+42.6
안동시	36.2	50.2	58.2	64.8	66.2	71.5	72.1	77.7	80.1	54.2	65.5	78.9
		+14.0	+22.0	+28.6	+30.0	+35.3	+35.9	+41.5	+43.9	+18.0	+29.3	+42.7
영덕군	35.9	52.5	59.1	66.2	69.0	75.8	74.7	81.7	84.0	55.8	67.6	82.8
		+16.6	+23.2	+30.3	+33.1	+39.9	+38.8	+45.8	+48.1	+19.9	+31.7	+46.9
영양군	36.3	49.1	57.8	65.2	66.2	71.5	71.8	77.9	79.4	53.5	65.7	78.7
		+12.8	+21.5	+28.9	+29.9	+35.2	+35.5	+41.6	+43.1	+17.2	+29.4	+42.4
영주시	36.6	50.1	57.5	64.4	65.2	70.8	71.8	76.6	79.7	53.8	64.8	78.2
		+13.5	+20.9	+27.8	+28.6	+34.2	+35.2	+40.0	+43.1	+17.2	+28.2	+41.6
영천시	36.1	50.4	58.6	65.2	67.4	72.3	72.6	77.7	80.6	54.5	66.3	79.2
		+14.3	+22.5	+29.1	+31.3	+36.2	+36.5	+41.6	+44.5	+18.4	+30.2	+43.1
예천군	36.8	51.1	58.3	65.6	66.6	72.0	72.3	78.0	80.9	54.7	66.1	79.5
		+14.3	+21.5	+28.8	+29.8	+35.2	+35.5	+41.2	+44.1	+17.9	+29.3	+42.7
울릉군	36.2	57.1	61.7	68.4	73.2	83.2	81.2	89.2	92.5	59.4	70.8	90.8
		+20.9	+25.5	+32.2	+37.0	+47.0	+45.0	+53.0	+56.3	+23.2	+34.6	+54.6
울진군	35.7	53.9	60.3	67.7	70.2	78.1	76.7	84.4	87.0	57.1	68.9	85.7
		+18.2	+24.6	+32.0	+34.5	+42.4	+41.0	+48.7	+51.3	+21.4	+33.2	+50.0
의성군	36.6	50.7	58.5	65.1	66.3	71.6	72.1	77.4	80.3	54.6	65.7	78.8
		+14.1	+21.9	+28.5	+29.7	+35.0	+35.5	+40.8	+43.7	+18.0	+29.1	+42.2
청도군	36.5	51.4	59.2	66.4	68.5	73.3	73.3	78.7	81.7	55.3	67.4	80.2
		+14.9	+22.7	+29.9	+32.0	+36.8	+36.8	+42.2	+45.2	+18.8	+30.9	+43.7
청송군	36.5	48.8	57.3	64.2	65.6	70.6	70.6	76.6	78.2	53.1	64.9	77.4
		+12.3	+20.8	+27.7	+29.1	+34.1	+34.1	+40.1	+41.7	+16.6	+28.4	+40.9
칠곡군	36.5	51.9	59.4	65.5	67.5	73.0	73.4	78.7	81.5	55.7	66.5	80.1
		+15.4	+22.9	+29.0	+31.0	+36.5	+36.9	+42.2	+45.0	+19.2	+30.0	+43.6
포항시	35.5	55.2	63.6	71.2	74.2	80.0	79.5	86.4	89.1	59.4	72.7	87.8
		+19.7	+28.1	+35.7	+38.7	+44.5	+44.0	+50.9	+53.6	+23.9	+37.2	+52.3

표 4-51. 경상북도의 온난야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.3	55.7	60.3	66.6	74.4	82.0	88.0	100.5	102.9	58.0	70.5	101.7
		+19.4	+24.0	+30.3	+38.1	+45.7	+51.7	+64.2	+66.6	+21.7	+34.2	+65.4
경산시	36.1	56.1	60.6	66.6	74.9	82.8	88.9	102.6	104.3	58.4	70.7	103.4
		+20.0	+24.5	+30.5	+38.8	+46.7	+52.8	+66.5	+68.2	+22.3	+34.6	+67.3
경주시	35.7	57.3	62.1	68.2	77.2	85.6	92.0	105.1	107.0	59.7	72.7	106.1
		+21.6	+26.4	+32.5	+41.5	+49.9	+56.3	+69.4	+71.3	+24.0	+37.0	+70.4
고령군	36.6	55.2	59.8	65.7	73.6	81.0	87.5	100.3	102.1	57.5	69.6	101.2
		+18.6	+23.2	+29.1	+37.0	+44.4	+50.9	+63.7	+65.5	+20.9	+33.0	+64.6
구미시	36.3	56.4	60.5	66.7	74.5	81.7	87.8	100.6	103.0	58.4	70.6	101.8
		+20.1	+24.2	+30.4	+38.2	+45.4	+51.5	+64.3	+66.7	+22.1	+34.3	+65.5
군위군	36.6	54.5	59.9	65.0	72.6	79.7	85.3	97.7	99.1	57.2	68.8	98.4
		+17.9	+23.3	+28.4	+36.0	+43.1	+48.7	+61.1	+62.5	+20.6	+32.2	+61.8
김천시	37.0	55.3	59.4	65.2	72.4	79.3	85.8	98.0	100.1	57.3	68.8	99.0
		+18.3	+22.4	+28.2	+35.4	+42.3	+48.8	+61.0	+63.1	+20.3	+31.8	+62.0
문경시	36.6	55.1	58.9	65.5	73.1	80.0	85.9	98.0	101.2	57.0	69.3	99.6
		+18.5	+22.3	+28.9	+36.5	+43.4	+49.3	+61.4	+64.6	+20.4	+32.7	+63.0
봉화군	36.8	54.1	58.8	65.0	71.3	79.0	84.5	96.5	97.8	56.5	68.2	97.2
		+17.3	+22.0	+28.2	+34.5	+42.2	+47.7	+59.7	+61.0	+19.7	+31.4	+60.4
상주시	36.3	55.2	59.8	65.8	73.7	80.7	86.7	99.4	102.2	57.5	69.7	100.8
		+18.9	+23.5	+29.5	+37.4	+44.4	+50.4	+63.1	+65.9	+21.2	+33.4	+64.5
성주군	36.3	55.1	59.4	65.6	73.0	80.0	86.9	98.9	101.0	57.3	69.3	99.9
		+18.8	+23.1	+29.3	+36.7	+43.7	+50.6	+62.6	+64.7	+21.0	+33.0	+63.6
안동시	36.2	54.3	59.2	65.0	72.5	80.5	85.7	98.3	100.5	56.8	68.8	99.4
		+18.1	+23.0	+28.8	+36.3	+44.3	+49.5	+62.1	+64.3	+20.6	+32.6	+63.2
영덕군	35.9	56.2	60.7	68.0	75.7	83.5	88.8	100.4	102.9	58.4	71.8	101.7
		+20.3	+24.8	+32.1	+39.8	+47.6	+52.9	+64.5	+67.0	+22.5	+35.9	+65.8
영양군	36.3	53.8	59.0	64.7	72.0	80.1	85.2	97.6	98.7	56.4	68.4	98.1
		+17.5	+22.7	+28.4	+35.7	+43.8	+48.9	+61.3	+62.4	+20.1	+32.1	+61.8
영주시	36.6	54.4	58.8	64.9	71.8	79.4	84.8	96.5	98.3	56.6	68.4	97.4
		+17.8	+22.2	+28.3	+35.2	+42.8	+48.2	+59.9	+61.7	+20.0	+31.8	+60.8
영천시	36.1	54.8	59.8	65.2	73.2	80.7	86.5	99.3	100.4	57.3	69.2	99.9
		+18.7	+23.7	+29.1	+37.1	+44.6	+50.4	+63.2	+64.3	+21.2	+33.1	+63.8
예천군	36.8	55.3	59.4	65.6	73.0	80.4	86.3	98.3	101.3	57.3	69.3	99.8
		+18.5	+22.6	+28.8	+36.2	+43.6	+49.5	+61.5	+64.5	+20.5	+32.5	+63.0
울릉군	36.2	58.3	63.7	72.1	79.7	88.4	94.9	108.0	116.3	61.0	75.9	112.2
		+22.1	+27.5	+35.9	+43.5	+52.2	+58.7	+71.8	+80.1	+24.8	+39.7	+76.0
울진군	35.7	57.7	61.6	69.9	77.1	85.4	91.7	103.4	106.9	59.6	73.5	105.2
		+22.0	+25.9	+34.2	+41.4	+49.7	+56.0	+67.7	+71.2	+23.9	+37.8	+69.5
의성군	36.6	54.5	59.8	65.3	72.8	80.0	85.7	97.7	99.7	57.2	69.1	98.7
		+17.9	+23.2	+28.7	+36.2	+43.4	+49.1	+61.1	+63.1	+20.6	+32.5	+62.1
청도군	36.5	55.6	60.5	65.8	74.3	82.0	87.8	100.8	102.3	58.0	70.0	101.6
		+19.1	+24.0	+29.3	+37.8	+45.5	+51.3	+64.3	+65.8	+21.5	+33.5	+65.1
청송군	36.5	53.2	58.4	63.9	71.4	78.6	83.8	96.1	97.2	55.8	67.6	96.6
		+16.7	+21.9	+27.4	+34.9	+42.1	+47.3	+59.6	+60.7	+19.3	+31.1	+60.1
칠곡군	36.5	56.2	60.1	66.5	74.3	81.2	87.4	100.3	102.5	58.1	70.4	101.4
		+19.7	+23.6	+30.0	+37.8	+44.7	+50.9	+63.8	+66.0	+21.6	+33.9	+64.9
포항시	35.5	59.0	64.0	71.2	80.5	89.3	96.4	109.5	113.0	61.5	75.9	111.2
		+23.5	+28.5	+35.7	+45.0	+53.8	+60.9	+74.0	+77.5	+26.0	+40.4	+75.7

표 4-52. 경상북도의 온난야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.3	54.5	57.8	71.9	72.9	86.4	94.6	106.5	113.3	56.1	72.4	109.9
		+18.2	+21.5	+35.6	+36.6	+50.1	+58.3	+70.2	+77.0	+19.8	+36.1	+73.6
경산시	36.1	54.6	57.9	72.0	73.7	87.0	96.0	107.6	114.0	56.2	72.8	110.8
		+18.5	+21.8	+35.9	+37.6	+50.9	+59.9	+71.5	+77.9	+20.1	+36.7	+74.7
경주시	35.7	56.3	59.8	75.0	76.3	88.6	98.2	110.6	117.6	58.1	75.6	114.1
		+20.6	+24.1	+39.3	+40.6	+52.9	+62.5	+74.9	+81.9	+22.4	+39.9	+78.4
고령군	36.6	53.8	57.2	70.6	71.8	85.4	93.9	105.3	111.4	55.5	71.2	108.4
		+17.2	+20.6	+34.0	+35.2	+48.8	+57.3	+68.7	+74.8	+18.9	+34.6	+71.8
구미시	36.3	54.6	57.6	71.5	72.5	86.3	93.9	105.6	112.4	56.1	72.0	109.0
		+18.3	+21.3	+35.2	+36.2	+50.0	+57.6	+69.3	+76.1	+19.8	+35.7	+72.7
군위군	36.6	53.6	56.7	69.9	70.9	83.9	91.4	102.5	108.5	55.2	70.4	105.5
		+17.0	+20.1	+33.3	+34.3	+47.3	+54.8	+65.9	+71.9	+18.6	+33.8	+68.9
김천시	37.0	53.6	56.8	70.0	71.0	83.9	91.2	102.4	109.4	55.2	70.5	105.9
		+16.6	+19.8	+33.0	+34.0	+46.9	+54.2	+65.4	+72.4	+18.2	+33.5	+68.9
문경시	36.6	53.5	57.3	70.3	70.9	84.7	92.0	103.4	109.9	55.4	70.6	106.6
		+16.9	+20.7	+33.7	+34.3	+48.1	+55.4	+66.8	+73.3	+18.8	+34.0	+70.0
봉화군	36.8	52.1	56.1	69.3	70.2	83.3	89.9	101.5	107.5	54.1	69.7	104.5
		+15.3	+19.3	+32.5	+33.4	+46.5	+53.1	+64.7	+70.7	+17.3	+32.9	+67.7
상주시	36.3	53.9	57.5	70.8	71.4	85.4	93.0	104.6	111.2	55.7	71.1	107.9
		+17.6	+21.2	+34.5	+35.1	+49.1	+56.7	+68.3	+74.9	+19.4	+34.8	+71.6
성주군	36.3	53.7	57.0	70.1	71.3	84.7	92.6	103.8	110.3	55.3	70.7	107.1
		+17.4	+20.7	+33.8	+35.0	+48.4	+56.3	+67.5	+74.0	+19.0	+34.4	+70.8
안동시	36.2	53.1	56.8	70.1	71.0	84.5	91.8	103.4	109.4	55.0	70.5	106.4
		+16.9	+20.6	+33.9	+34.8	+48.3	+55.6	+67.2	+73.2	+18.8	+34.3	+70.2
영덕군	35.9	55.2	58.0	73.0	74.2	88.0	96.3	107.8	115.2	56.6	73.6	111.5
		+19.3	+22.1	+37.1	+38.3	+52.1	+60.4	+71.9	+79.3	+20.7	+37.7	+75.6
영양군	36.3	53.1	56.7	69.6	71.1	83.8	91.1	102.1	108.3	54.9	70.3	105.2
		+16.8	+20.4	+33.3	+34.8	+47.5	+54.8	+65.8	+72.0	+18.6	+34.0	+68.9
영주시	36.6	52.8	56.6	69.6	70.2	84.0	90.5	101.9	108.0	54.7	69.9	104.9
		+16.2	+20.0	+33.0	+33.6	+47.4	+53.9	+65.3	+71.4	+18.1	+33.3	+68.3
영천시	36.1	53.9	57.0	70.4	72.0	84.4	92.5	103.7	109.9	55.4	71.2	106.8
		+17.8	+20.9	+34.3	+35.9	+48.3	+56.4	+67.6	+73.8	+19.3	+35.1	+70.7
예천군	36.8	53.7	57.1	70.8	71.3	85.0	92.3	103.6	110.2	55.4	71.1	106.9
		+16.9	+20.3	+34.0	+34.5	+48.2	+55.5	+66.8	+73.4	+18.6	+34.3	+70.1
울릉군	36.2	56.6	59.0	79.0	78.4	96.2	106.0	123.8	134.6	57.8	78.7	129.2
		+20.4	+22.8	+42.8	+42.2	+60.0	+69.8	+87.6	+98.4	+21.6	+42.5	+93.0
울진군	35.7	56.1	58.7	75.4	75.9	90.3	99.5	113.2	121.6	57.4	75.7	117.4
		+20.4	+23.0	+39.7	+40.2	+54.6	+63.8	+77.5	+85.9	+21.7	+40.0	+81.7
의성군	36.6	53.6	57.0	70.1	70.9	84.3	91.5	102.6	108.7	55.3	70.5	105.7
		+17.0	+20.4	+33.5	+34.3	+47.7	+54.9	+66.0	+72.1	+18.7	+33.9	+69.1
청도군	36.5	54.6	57.3	71.6	73.2	85.8	94.2	105.1	111.5	56.0	72.4	108.3
		+18.1	+20.8	+35.1	+36.7	+49.3	+57.7	+68.6	+75.0	+19.5	+35.9	+71.8
청송군	36.5	52.7	56.0	68.6	70.1	82.7	89.8	99.9	106.0	54.4	69.4	102.9
		+16.2	+19.5	+32.1	+33.6	+46.2	+53.3	+63.4	+69.5	+17.9	+32.9	+66.4
칠곡군	36.5	54.4	57.6	71.1	72.3	86.0	93.7	105.4	112.0	56.0	71.7	108.7
		+17.9	+21.1	+34.6	+35.8	+49.5	+57.2	+68.9	+75.5	+19.5	+35.2	+72.2
포항시	35.5	58.5	62.5	78.8	79.9	92.6	104.4	118.1	125.9	60.5	79.3	122.0
		+23.0	+27.0	+43.3	+44.4	+57.1	+68.9	+82.6	+90.4	+25.0	+43.8	+86.5

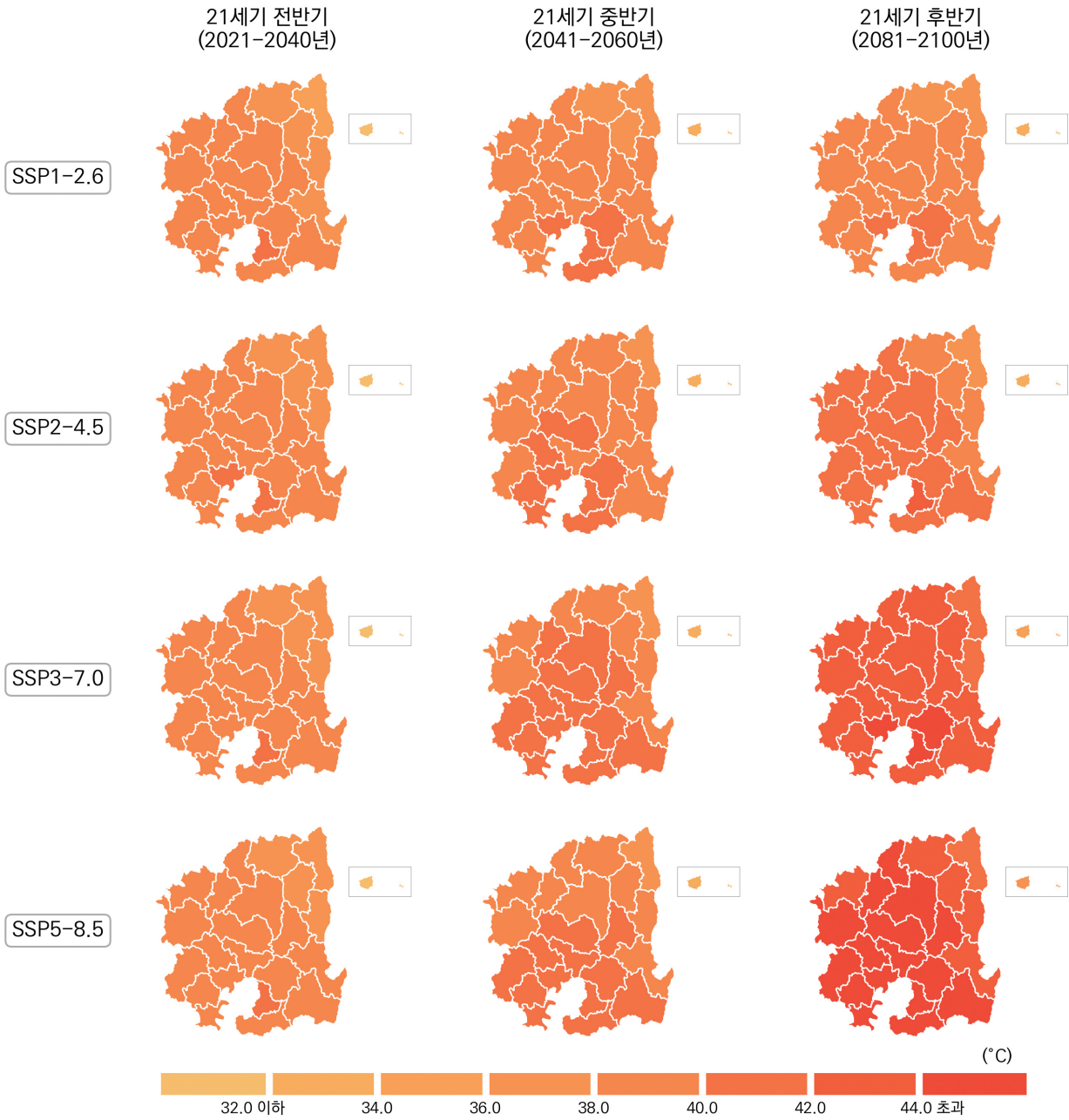


그림 4-23. 경상북도의 일최고기온 연최대(°C) 전망 분포도

표 4-53. 경상북도의 일최고기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	35.8	38.4	38.4	39.0	38.9	38.9	38.6	39.4	38.3	38.4	38.9	38.8
		+2.6	+2.6	+3.2	+3.1	+3.1	+2.8	+3.6	+2.5	+2.6	+3.1	+3.0
경산시	37.8	40.5	40.5	40.9	41.2	40.9	40.4	41.5	40.4	40.5	41.1	41.0
		+2.7	+2.7	+3.1	+3.4	+3.1	+2.6	+3.7	+2.6	+2.7	+3.3	+3.2
경주시	36.4	39.1	39.0	39.5	39.5	39.5	39.1	40.0	39.1	39.0	39.5	39.6
		+2.7	+2.6	+3.1	+3.1	+3.1	+2.7	+3.6	+2.7	+2.6	+3.1	+3.2
고령군	36.2	39.8	39.8	39.8	40.1	39.8	39.6	40.4	39.5	39.8	40.0	39.9
		+3.6	+3.6	+3.6	+3.9	+3.6	+3.4	+4.2	+3.3	+3.6	+3.8	+3.7
구미시	36.1	39.2	39.5	40.0	39.8	39.8	39.6	40.2	39.3	39.4	39.9	39.8
		+3.1	+3.4	+3.9	+3.7	+3.7	+3.5	+4.1	+3.2	+3.3	+3.8	+3.7
군위군	36.0	39.1	39.1	39.7	39.5	39.4	39.2	40.0	38.9	39.1	39.6	39.4
		+3.1	+3.1	+3.7	+3.5	+3.4	+3.2	+4.0	+2.9	+3.1	+3.6	+3.4
김천시	35.8	38.9	39.4	39.6	39.2	39.6	39.3	40.1	39.0	39.2	39.4	39.5
		+3.1	+3.6	+3.8	+3.4	+3.8	+3.5	+4.3	+3.2	+3.4	+3.6	+3.7
문경시	35.3	38.2	38.2	39.0	38.9	38.6	38.5	39.0	38.2	38.2	38.9	38.6
		+2.9	+2.9	+3.7	+3.6	+3.3	+3.2	+3.7	+2.9	+2.9	+3.6	+3.3
봉화군	34.5	37.4	37.6	38.0	37.9	38.2	37.8	38.4	37.5	37.5	37.9	38.0
		+2.9	+3.1	+3.5	+3.4	+3.7	+3.3	+3.9	+3.0	+3.0	+3.4	+3.5
상주시	35.3	38.3	38.5	39.1	39.1	38.8	38.5	39.3	38.3	38.4	39.1	38.8
		+3.0	+3.2	+3.8	+3.8	+3.5	+3.2	+4.0	+3.0	+3.1	+3.8	+3.5
성주군	36.1	39.4	39.7	39.9	39.7	39.9	39.7	40.2	39.1	39.6	39.8	39.7
		+3.3	+3.6	+3.8	+3.6	+3.8	+3.6	+4.1	+3.0	+3.5	+3.7	+3.6
안동시	35.8	38.7	38.5	39.4	39.3	39.1	38.8	39.8	38.6	38.6	39.3	39.2
		+2.9	+2.7	+3.6	+3.5	+3.3	+3.0	+4.0	+2.8	+2.8	+3.5	+3.4
영덕군	36.3	37.7	37.7	38.2	37.9	38.1	37.6	38.7	37.7	37.7	38.1	38.2
		+1.4	+1.4	+1.9	+1.6	+1.8	+1.3	+2.4	+1.4	+1.4	+1.8	+1.9
영양군	34.3	37.5	37.8	37.8	37.9	38.2	37.8	38.7	37.6	37.7	37.9	38.2
		+3.2	+3.5	+3.5	+3.6	+3.9	+3.5	+4.4	+3.3	+3.4	+3.6	+3.9
영주시	35.7	38.5	38.2	39.0	38.8	38.9	38.7	39.3	38.2	38.3	38.9	38.8
		+2.8	+2.5	+3.3	+3.1	+3.2	+3.0	+3.6	+2.5	+2.6	+3.2	+3.1
영천시	36.9	39.7	39.6	40.2	40.4	40.0	39.7	40.6	39.7	39.6	40.3	40.1
		+2.8	+2.7	+3.3	+3.5	+3.1	+2.8	+3.7	+2.8	+2.7	+3.4	+3.2
예천군	35.6	38.7	38.5	39.2	39.2	38.9	38.8	39.7	38.5	38.6	39.2	39.1
		+3.1	+2.9	+3.6	+3.6	+3.3	+3.2	+4.1	+2.9	+3.0	+3.6	+3.5
울릉군	32.0	31.6	31.8	32.5	32.3	32.4	31.8	32.8	31.7	31.7	32.4	32.2
		-0.4	-0.2	+0.5	+0.3	+0.4	-0.2	+0.8	-0.3	-0.3	+0.4	+0.2
울진군	35.1	36.1	36.0	36.7	36.3	36.5	36.2	37.2	36.0	36.0	36.5	36.6
		+1.0	+0.9	+1.6	+1.2	+1.4	+1.1	+2.1	+0.9	+0.9	+1.4	+1.5
의성군	36.3	39.4	39.3	39.9	39.9	39.6	39.5	40.3	39.3	39.4	39.9	39.8
		+3.1	+3.0	+3.6	+3.6	+3.3	+3.2	+4.0	+3.0	+3.1	+3.6	+3.5
청도군	36.4	39.4	39.3	39.8	40.3	39.8	39.2	40.2	39.3	39.3	40.1	39.7
		+3.0	+2.9	+3.4	+3.9	+3.4	+2.8	+3.8	+2.9	+2.9	+3.7	+3.3
청송군	35.7	38.8	38.6	39.2	39.4	39.1	38.9	39.6	38.7	38.7	39.3	39.2
		+3.1	+2.9	+3.5	+3.7	+3.4	+3.2	+3.9	+3.0	+3.0	+3.6	+3.5
칠곡군	36.8	39.8	40.0	40.5	40.5	40.3	40.1	40.5	39.8	39.9	40.5	40.2
		+3.0	+3.2	+3.7	+3.7	+3.5	+3.3	+3.7	+3.0	+3.1	+3.7	+3.4
포항시	36.1	38.0	38.0	38.5	38.4	38.4	38.1	38.9	38.1	38.0	38.5	38.5
		+1.9	+1.9	+2.4	+2.3	+2.3	+2.0	+2.8	+2.0	+1.9	+2.4	+2.4

표 4-54. 경상북도의 일최고기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	35.8	38.3	39.0	39.0	39.5	40.2	40.2	40.3	40.6	38.7	39.2	40.5
		+2.5	+3.2	+3.2	+3.7	+4.4	+4.4	+4.5	+4.8	+2.9	+3.4	+4.7
경산시	37.8	40.6	41.2	41.5	41.4	42.5	42.2	42.2	42.6	40.9	41.4	42.4
		+2.8	+3.4	+3.7	+3.6	+4.7	+4.4	+4.4	+4.8	+3.1	+3.6	+4.6
경주시	36.4	38.9	39.7	39.8	40.2	40.8	40.8	40.7	41.0	39.3	40.0	40.8
		+2.5	+3.3	+3.4	+3.8	+4.4	+4.4	+4.3	+4.6	+2.9	+3.6	+4.4
고령군	36.2	39.3	40.6	40.4	40.5	41.1	41.1	41.7	41.8	39.9	40.4	41.7
		+3.1	+4.4	+4.2	+4.3	+4.9	+4.9	+5.5	+5.6	+3.7	+4.2	+5.5
구미시	36.1	39.1	40.1	39.8	40.5	41.1	41.0	41.3	41.8	39.6	40.1	41.5
		+3.0	+4.0	+3.7	+4.4	+5.0	+4.9	+5.2	+5.7	+3.5	+4.0	+5.4
군위군	36.0	38.8	39.6	39.4	40.0	40.7	40.7	41.0	41.1	39.2	39.7	41.0
		+2.8	+3.6	+3.4	+4.0	+4.7	+4.7	+5.0	+5.1	+3.2	+3.7	+5.0
김천시	35.8	38.8	39.6	39.5	40.1	40.9	40.7	41.0	41.6	39.2	39.8	41.3
		+3.0	+3.8	+3.7	+4.3	+5.1	+4.9	+5.2	+5.8	+3.4	+4.0	+5.5
문경시	35.3	38.2	38.7	39.1	39.6	40.3	40.2	40.5	40.9	38.4	39.3	40.7
		+2.9	+3.4	+3.8	+4.3	+5.0	+4.9	+5.2	+5.6	+3.1	+4.0	+5.4
봉화군	34.5	37.5	38.3	38.1	38.6	39.7	39.7	39.6	39.5	37.9	38.3	39.5
		+3.0	+3.8	+3.6	+4.1	+5.2	+5.2	+5.1	+5.0	+3.4	+3.8	+5.0
상주시	35.3	38.2	38.8	39.2	39.7	40.2	40.2	40.6	41.2	38.5	39.4	40.9
		+2.9	+3.5	+3.9	+4.4	+4.9	+4.9	+5.3	+5.9	+3.2	+4.1	+5.6
성주군	36.1	39.1	40.4	40.0	40.4	41.1	41.0	41.6	41.8	39.7	40.2	41.7
		+3.0	+4.3	+3.9	+4.3	+5.0	+4.9	+5.5	+5.7	+3.6	+4.1	+5.6
안동시	35.8	38.8	39.1	39.0	39.7	40.6	40.5	40.4	40.7	39.0	39.3	40.5
		+3.0	+3.3	+3.2	+3.9	+4.8	+4.7	+4.6	+4.9	+3.2	+3.5	+4.7
영덕군	36.3	37.5	38.3	38.3	38.8	39.1	39.5	39.5	39.5	37.9	38.5	39.5
		+1.2	+2.0	+2.0	+2.5	+2.8	+3.2	+3.2	+3.2	+1.6	+2.2	+3.2
영양군	34.3	37.6	38.4	38.2	38.6	39.7	39.4	39.7	39.5	38.0	38.4	39.6
		+3.3	+4.1	+3.9	+4.3	+5.4	+5.1	+5.4	+5.2	+3.7	+4.1	+5.3
영주시	35.7	38.4	38.6	38.8	39.4	40.7	40.2	40.7	40.5	38.5	39.1	40.6
		+2.7	+2.9	+3.1	+3.7	+5.0	+4.5	+5.0	+4.8	+2.8	+3.4	+4.9
영천시	36.9	39.7	40.2	40.5	40.6	41.4	41.5	41.5	41.9	39.9	40.6	41.7
		+2.8	+3.3	+3.6	+3.7	+4.5	+4.6	+4.6	+5.0	+3.0	+3.7	+4.8
예천군	35.6	38.7	38.8	39.1	39.6	40.7	40.5	40.6	41.1	38.7	39.3	40.9
		+3.1	+3.2	+3.5	+4.0	+5.1	+4.9	+5.0	+5.5	+3.1	+3.7	+5.3
울릉군	32.0	31.5	31.9	32.1	32.8	33.2	33.3	33.2	34.2	31.7	32.4	33.7
		-0.5	-0.1	+0.1	+0.8	+1.2	+1.3	+1.2	+2.2	-0.3	+0.4	+1.7
울진군	35.1	35.9	36.8	36.9	37.0	37.7	37.9	37.7	38.3	36.4	36.9	38.0
		+0.8	+1.7	+1.8	+1.9	+2.6	+2.8	+2.6	+3.2	+1.3	+1.8	+2.9
의성군	36.3	39.4	39.8	39.8	40.5	41.1	41.1	41.3	41.5	39.6	40.1	41.4
		+3.1	+3.5	+3.5	+4.2	+4.8	+4.8	+5.0	+5.2	+3.3	+3.8	+5.1
청도군	36.4	39.3	40.1	40.5	40.1	41.3	41.0	41.2	41.6	39.7	40.3	41.4
		+2.9	+3.7	+4.1	+3.7	+4.9	+4.6	+4.8	+5.2	+3.3	+3.9	+5.0
청송군	35.7	38.8	39.4	39.2	39.8	40.6	40.6	40.6	40.7	39.1	39.5	40.6
		+3.1	+3.7	+3.5	+4.1	+4.9	+4.9	+4.9	+5.0	+3.4	+3.8	+4.9
칠곡군	36.8	39.6	40.7	40.5	40.8	41.6	41.5	41.8	42.2	40.1	40.7	42.0
		+2.8	+3.9	+3.7	+4.0	+4.8	+4.7	+5.0	+5.4	+3.3	+3.9	+5.2
포항시	36.1	38.0	38.6	38.8	39.2	39.6	39.6	39.8	40.1	38.3	39.0	39.9
		+1.9	+2.5	+2.7	+3.1	+3.5	+3.5	+3.7	+4.0	+2.2	+2.9	+3.8

표 4-55. 경상북도의 일최고기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	35.8	38.0	38.9	39.7	39.9	40.6	41.6	42.6	42.9	38.4	39.8	42.7
		+2.2	+3.1	+3.9	+4.1	+4.8	+5.8	+6.8	+7.1	+2.6	+4.0	+6.9
경산시	37.8	39.9	41.0	42.2	41.8	42.6	44.0	44.5	44.9	40.5	42.0	44.7
		+2.1	+3.2	+4.4	+4.0	+4.8	+6.2	+6.7	+7.1	+2.7	+4.2	+6.9
경주시	36.4	38.6	39.6	40.4	40.5	41.1	42.2	43.2	43.5	39.1	40.4	43.4
		+2.2	+3.2	+4.0	+4.1	+4.7	+5.8	+6.8	+7.1	+2.7	+4.0	+7.0
고령군	36.2	39.3	40.4	40.9	40.9	41.9	42.6	43.7	44.0	39.8	40.9	43.8
		+3.1	+4.2	+4.7	+4.7	+5.7	+6.4	+7.5	+7.8	+3.6	+4.7	+7.6
구미시	36.1	38.8	39.8	40.6	40.8	41.6	42.5	43.6	43.7	39.3	40.7	43.7
		+2.7	+3.7	+4.5	+4.7	+5.5	+6.4	+7.5	+7.6	+3.2	+4.6	+7.6
군위군	36.0	38.5	39.4	40.2	40.4	41.1	42.4	43.1	43.5	39.0	40.3	43.3
		+2.5	+3.4	+4.2	+4.4	+5.1	+6.4	+7.1	+7.5	+3.0	+4.3	+7.3
김천시	35.8	38.5	39.5	40.4	40.6	41.4	42.4	43.2	43.4	39.0	40.5	43.3
		+2.7	+3.7	+4.6	+4.8	+5.6	+6.6	+7.4	+7.6	+3.2	+4.7	+7.5
문경시	35.3	37.7	38.5	39.9	40.0	40.4	41.0	42.5	43.0	38.1	39.9	42.8
		+2.4	+3.2	+4.6	+4.7	+5.1	+5.7	+7.2	+7.7	+2.8	+4.6	+7.5
봉화군	34.5	37.2	37.8	38.6	39.7	40.0	40.4	42.1	42.2	37.5	39.2	42.1
		+2.7	+3.3	+4.1	+5.2	+5.5	+5.9	+7.6	+7.7	+3.0	+4.7	+7.6
상주시	35.3	37.7	38.8	39.9	39.9	40.6	41.3	42.6	43.0	38.2	39.9	42.8
		+2.4	+3.5	+4.6	+4.6	+5.3	+6.0	+7.3	+7.7	+2.9	+4.6	+7.5
성주군	36.1	39.0	40.2	40.7	41.1	41.6	42.7	43.5	43.7	39.6	40.9	43.6
		+2.9	+4.1	+4.6	+5.0	+5.5	+6.6	+7.4	+7.6	+3.5	+4.8	+7.5
안동시	35.8	38.3	39.3	40.0	40.4	40.8	41.6	43.0	43.2	38.8	40.2	43.1
		+2.5	+3.5	+4.2	+4.6	+5.0	+5.8	+7.2	+7.4	+3.0	+4.4	+7.3
영덕군	36.3	37.2	38.3	38.8	39.0	39.9	41.3	41.6	42.1	37.8	38.9	41.9
		+0.9	+2.0	+2.5	+2.7	+3.6	+5.0	+5.3	+5.8	+1.5	+2.6	+5.6
영양군	34.3	37.3	38.0	38.8	39.4	40.1	41.0	42.3	42.1	37.6	39.1	42.2
		+3.0	+3.7	+4.5	+5.1	+5.8	+6.7	+8.0	+7.8	+3.3	+4.8	+7.9
영주시	35.7	37.7	38.9	39.5	40.2	40.4	41.3	42.7	43.6	38.3	39.9	43.2
		+2.0	+3.2	+3.8	+4.5	+4.7	+5.6	+7.0	+7.9	+2.6	+4.2	+7.5
영천시	36.9	39.3	40.3	41.1	41.0	41.9	43.3	43.9	44.3	39.8	41.1	44.1
		+2.4	+3.4	+4.2	+4.1	+5.0	+6.4	+7.0	+7.4	+2.9	+4.2	+7.2
예천군	35.6	38.0	39.0	40.1	40.4	40.7	41.4	42.8	43.4	38.5	40.2	43.1
		+2.4	+3.4	+4.5	+4.8	+5.1	+5.8	+7.2	+7.8	+2.9	+4.6	+7.5
울릉군	32.0	31.2	32.5	32.5	33.0	33.7	34.5	35.0	35.6	31.8	32.7	35.3
		-0.8	+0.5	+0.5	+1.0	+1.7	+2.5	+3.0	+3.6	-0.2	+0.7	+3.3
울진군	35.1	35.7	36.6	37.3	37.5	38.4	39.5	39.9	40.4	36.1	37.4	40.2
		+0.6	+1.5	+2.2	+2.4	+3.3	+4.4	+4.8	+5.3	+1.0	+2.3	+5.1
의성군	36.3	38.9	39.8	40.5	40.8	41.5	42.5	43.5	43.8	39.3	40.7	43.7
		+2.6	+3.5	+4.2	+4.5	+5.2	+6.2	+7.2	+7.5	+3.0	+4.4	+7.4
청도군	36.4	38.8	39.7	41.0	40.7	41.6	42.6	43.3	44.0	39.3	40.9	43.7
		+2.4	+3.3	+4.6	+4.3	+5.2	+6.2	+6.9	+7.6	+2.9	+4.5	+7.3
청송군	35.7	38.2	39.3	39.8	40.4	40.9	42.4	43.1	43.1	38.7	40.1	43.1
		+2.5	+3.6	+4.1	+4.7	+5.2	+6.7	+7.4	+7.4	+3.0	+4.4	+7.4
칠곡군	36.8	39.4	40.4	41.0	41.3	42.0	43.2	44.2	44.3	39.9	41.1	44.3
		+2.6	+3.6	+4.2	+4.5	+5.2	+6.4	+7.4	+7.5	+3.1	+4.3	+7.5
포항시	36.1	37.8	38.6	39.4	39.5	40.2	41.3	42.1	42.5	38.2	39.4	42.3
		+1.7	+2.5	+3.3	+3.4	+4.1	+5.2	+6.0	+6.4	+2.1	+3.3	+6.2

표 4-56. 경상북도의 일최고기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	35.8	38.6	38.5	39.8	39.9	41.9	42.4	43.4	44.3	38.6	39.9	43.9
		+2.8	+2.7	+4.0	+4.1	+6.1	+6.6	+7.6	+8.5	+2.8	+4.1	+8.1
경산시	37.8	40.6	40.4	41.7	41.8	43.9	44.6	45.5	46.2	40.5	41.8	45.9
		+2.8	+2.6	+3.9	+4.0	+6.1	+6.8	+7.7	+8.4	+2.7	+4.0	+8.1
경주시	36.4	39.3	39.2	40.4	41.0	42.5	43.3	44.1	44.9	39.3	40.7	44.5
		+2.9	+2.8	+4.0	+4.6	+6.1	+6.9	+7.7	+8.5	+2.9	+4.3	+8.1
고령군	36.2	39.5	39.5	40.9	41.0	43.1	43.7	44.2	45.1	39.5	40.9	44.7
		+3.3	+3.3	+4.7	+4.8	+6.9	+7.5	+8.0	+8.9	+3.3	+4.7	+8.5
구미시	36.1	39.6	39.3	40.6	40.9	43.0	43.3	44.5	45.5	39.5	40.8	45.0
		+3.5	+3.2	+4.5	+4.8	+6.9	+7.2	+8.4	+9.4	+3.4	+4.7	+8.9
군위군	36.0	39.2	39.0	40.4	40.5	42.5	42.9	43.9	45.1	39.1	40.5	44.5
		+3.2	+3.0	+4.4	+4.5	+6.5	+6.9	+7.9	+9.1	+3.1	+4.5	+8.5
김천시	35.8	39.3	38.9	40.5	40.7	42.8	43.3	44.6	45.4	39.1	40.6	45.0
		+3.5	+3.1	+4.7	+4.9	+7.0	+7.5	+8.8	+9.6	+3.3	+4.8	+9.2
문경시	35.3	38.8	38.3	40.0	39.8	42.2	42.4	43.3	44.7	38.6	39.9	44.0
		+3.5	+3.0	+4.7	+4.5	+6.9	+7.1	+8.0	+9.4	+3.3	+4.6	+8.7
봉화군	34.5	37.6	38.0	38.8	39.0	41.2	41.7	43.0	43.4	37.8	38.9	43.2
		+3.1	+3.5	+4.3	+4.5	+6.7	+7.2	+8.5	+8.9	+3.3	+4.4	+8.7
상주시	35.3	38.9	38.5	40.0	40.1	42.3	42.5	43.7	45.0	38.7	40.0	44.3
		+3.6	+3.2	+4.7	+4.8	+7.0	+7.2	+8.4	+9.7	+3.4	+4.7	+9.0
성주군	36.1	39.5	39.4	40.9	40.9	43.1	43.6	44.2	45.1	39.4	40.9	44.7
		+3.4	+3.3	+4.8	+4.8	+7.0	+7.5	+8.1	+9.0	+3.3	+4.8	+8.6
안동시	35.8	38.8	39.0	40.1	39.9	42.2	42.7	44.2	44.7	38.9	40.0	44.5
		+3.0	+3.2	+4.3	+4.1	+6.4	+6.9	+8.4	+8.9	+3.1	+4.2	+8.7
영덕군	36.3	38.1	37.6	39.1	39.4	40.7	41.3	42.4	43.2	37.8	39.2	42.8
		+1.8	+1.3	+2.8	+3.1	+4.4	+5.0	+6.1	+6.9	+1.5	+2.9	+6.5
영양군	34.3	37.9	38.1	38.9	38.9	41.1	41.7	42.8	43.6	38.0	38.9	43.2
		+3.6	+3.8	+4.6	+4.6	+6.8	+7.4	+8.5	+9.3	+3.7	+4.6	+8.9
영주시	35.7	38.7	38.8	39.8	39.6	42.3	42.6	43.7	44.5	38.7	39.7	44.1
		+3.0	+3.1	+4.1	+3.9	+6.6	+6.9	+8.0	+8.8	+3.0	+4.0	+8.4
영천시	36.9	39.8	39.6	41.1	41.3	42.8	43.8	44.6	45.5	39.7	41.2	45.1
		+2.9	+2.7	+4.2	+4.4	+5.9	+6.9	+7.7	+8.6	+2.8	+4.3	+8.2
예천군	35.6	39.0	38.7	40.2	39.9	42.4	42.8	43.9	44.9	38.8	40.0	44.4
		+3.4	+3.1	+4.6	+4.3	+6.8	+7.2	+8.3	+9.3	+3.2	+4.4	+8.8
울릉군	32.0	31.1	31.5	33.4	33.4	34.6	34.9	36.1	36.8	31.3	33.4	36.4
		-0.9	-0.5	+1.4	+1.4	+2.6	+2.9	+4.1	+4.8	-0.7	+1.4	+4.4
울진군	35.1	36.4	36.2	37.2	37.6	39.3	39.4	40.6	41.2	36.3	37.4	40.9
		+1.3	+1.1	+2.1	+2.5	+4.2	+4.3	+5.5	+6.1	+1.2	+2.3	+5.8
의성군	36.3	39.5	39.4	40.7	40.8	42.9	43.2	44.5	45.6	39.5	40.7	45.1
		+3.2	+3.1	+4.4	+4.5	+6.6	+6.9	+8.2	+9.3	+3.2	+4.4	+8.8
청도군	36.4	39.3	39.3	40.7	40.7	42.8	43.4	44.3	45.0	39.3	40.7	44.7
		+2.9	+2.9	+4.3	+4.3	+6.4	+7.0	+7.9	+8.6	+2.9	+4.3	+8.3
청송군	35.7	39.0	38.8	40.1	40.2	42.0	42.8	43.6	44.8	38.9	40.2	44.2
		+3.3	+3.1	+4.4	+4.5	+6.3	+7.1	+7.9	+9.1	+3.2	+4.5	+8.5
칠곡군	36.8	40.1	39.8	41.1	41.3	43.6	43.8	44.7	45.7	39.9	41.2	45.2
		+3.3	+3.0	+4.3	+4.5	+6.8	+7.0	+7.9	+8.9	+3.1	+4.4	+8.4
포항시	36.1	38.3	38.1	39.2	39.7	41.3	41.8	42.9	43.8	38.2	39.5	43.3
		+2.2	+2.0	+3.1	+3.6	+5.2	+5.7	+6.8	+7.7	+2.1	+3.4	+7.2

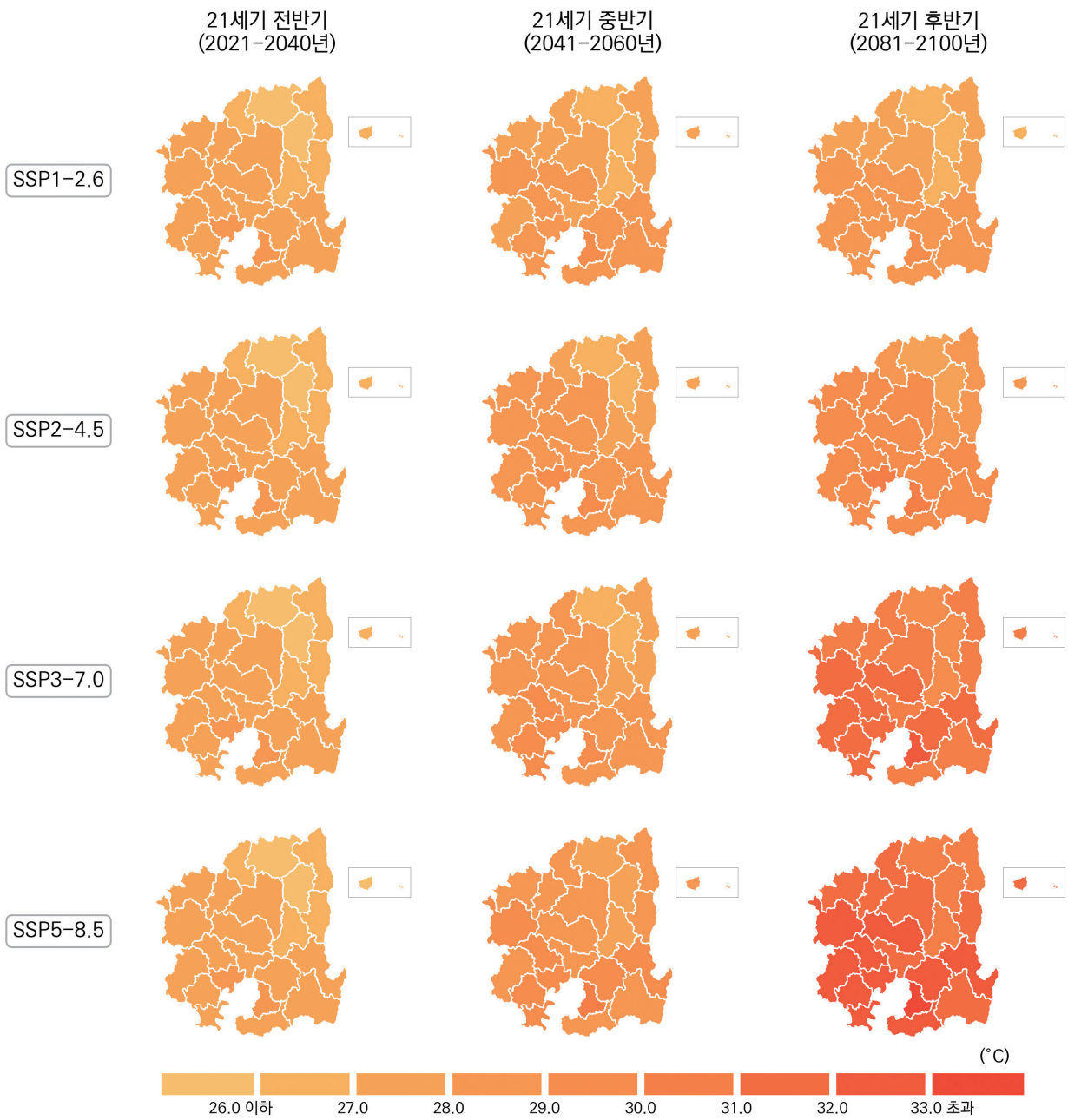


그림 4-24. 경상북도의 일최저기온 연최대(°C) 전망 분포도

표 4-57. 경상북도의 일최저기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	25.0	27.2	27.5	28.0	27.8	28.0	27.8	28.3	27.7	27.4	27.9	28.0
		+2.2	+2.5	+3.0	+2.8	+3.0	+2.8	+3.3	+2.7	+2.4	+2.9	+3.0
경산시	26.8	28.6	28.9	29.3	29.3	29.4	29.2	29.7	29.2	28.8	29.3	29.4
		+1.8	+2.1	+2.5	+2.5	+2.6	+2.4	+2.9	+2.4	+2.0	+2.5	+2.6
경주시	25.7	27.4	27.8	28.2	28.1	28.3	28.1	28.5	27.9	27.6	28.1	28.2
		+1.7	+2.1	+2.5	+2.4	+2.6	+2.4	+2.8	+2.2	+1.9	+2.4	+2.5
고령군	25.3	27.8	28.2	28.6	28.4	28.7	28.5	29.0	28.4	28.0	28.5	28.7
		+2.5	+2.9	+3.3	+3.1	+3.4	+3.2	+3.7	+3.1	+2.7	+3.2	+3.4
구미시	25.1	27.8	28.1	28.5	28.4	28.7	28.4	28.9	28.3	28.0	28.4	28.6
		+2.7	+3.0	+3.4	+3.3	+3.6	+3.3	+3.8	+3.2	+2.9	+3.3	+3.5
군위군	24.5	27.3	27.5	27.9	27.8	28.1	28.0	28.3	27.8	27.4	27.9	28.1
		+2.8	+3.0	+3.4	+3.3	+3.6	+3.5	+3.8	+3.3	+2.9	+3.4	+3.6
김천시	24.6	27.5	27.7	28.1	28.0	28.3	28.0	28.5	27.9	27.6	28.0	28.2
		+2.9	+3.1	+3.5	+3.4	+3.7	+3.4	+3.9	+3.3	+3.0	+3.4	+3.6
문경시	24.3	27.1	27.5	28.1	27.7	28.0	27.7	28.2	27.7	27.3	27.9	27.9
		+2.8	+3.2	+3.8	+3.4	+3.7	+3.4	+3.9	+3.4	+3.0	+3.6	+3.6
봉화군	23.1	25.5	25.9	26.3	26.1	26.4	26.1	26.6	26.1	25.7	26.2	26.3
		+2.4	+2.8	+3.2	+3.0	+3.3	+3.0	+3.5	+3.0	+2.6	+3.1	+3.2
상주시	24.7	27.6	27.9	28.4	28.1	28.4	28.1	28.6	28.1	27.7	28.3	28.3
		+2.9	+3.2	+3.7	+3.4	+3.7	+3.4	+3.9	+3.4	+3.0	+3.6	+3.6
성주군	24.9	27.7	28.1	28.4	28.2	28.6	28.4	28.8	28.2	27.9	28.3	28.5
		+2.8	+3.2	+3.5	+3.3	+3.7	+3.5	+3.9	+3.3	+3.0	+3.4	+3.6
안동시	24.6	27.1	27.5	28.0	27.7	28.0	27.8	28.3	27.6	27.3	27.9	27.9
		+2.5	+2.9	+3.4	+3.1	+3.4	+3.2	+3.7	+3.0	+2.7	+3.3	+3.3
영덕군	25.7	26.8	27.1	27.6	27.4	27.5	27.2	27.9	27.2	26.9	27.5	27.5
		+1.1	+1.4	+1.9	+1.7	+1.8	+1.5	+2.2	+1.5	+1.2	+1.8	+1.8
영양군	23.4	25.6	25.9	26.5	26.2	26.4	26.2	26.7	26.1	25.7	26.3	26.4
		+2.2	+2.5	+3.1	+2.8	+3.0	+2.8	+3.3	+2.7	+2.3	+2.9	+3.0
영주시	24.1	26.7	27.1	27.6	27.4	27.5	27.2	27.8	27.2	26.9	27.5	27.5
		+2.6	+3.0	+3.5	+3.3	+3.4	+3.1	+3.7	+3.1	+2.8	+3.4	+3.4
영천시	25.4	27.5	27.9	28.3	28.2	28.3	28.2	28.5	28.2	27.7	28.2	28.4
		+2.1	+2.5	+2.9	+2.8	+2.9	+2.8	+3.1	+2.8	+2.3	+2.8	+3.0
예천군	24.4	27.3	27.6	28.1	27.9	28.1	27.8	28.3	27.7	27.4	28.0	28.0
		+2.9	+3.2	+3.7	+3.5	+3.7	+3.4	+3.9	+3.3	+3.0	+3.6	+3.6
울릉군	25.8	26.4	26.5	27.3	26.9	27.2	26.7	27.5	26.4	26.4	27.1	26.9
		+0.6	+0.7	+1.5	+1.1	+1.4	+0.9	+1.7	+0.6	+0.6	+1.3	+1.1
울진군	25.2	26.5	26.7	27.2	27.0	27.1	26.8	27.5	26.7	26.6	27.1	27.1
		+1.3	+1.5	+2.0	+1.8	+1.9	+1.6	+2.3	+1.5	+1.4	+1.9	+1.9
의성군	24.6	27.5	27.8	28.2	28.1	28.4	28.1	28.6	28.0	27.6	28.1	28.3
		+2.9	+3.2	+3.6	+3.5	+3.8	+3.5	+4.0	+3.4	+3.0	+3.5	+3.7
청도군	25.8	27.5	27.8	28.2	28.2	28.4	28.2	28.5	28.1	27.7	28.2	28.3
		+1.7	+2.0	+2.4	+2.4	+2.6	+2.4	+2.7	+2.3	+1.9	+2.4	+2.5
청송군	23.6	26.1	26.4	26.8	26.6	26.9	26.7	27.1	26.6	26.2	26.7	26.8
		+2.5	+2.8	+3.2	+3.0	+3.3	+3.1	+3.5	+3.0	+2.6	+3.1	+3.2
칠곡군	25.6	28.0	28.4	28.7	28.6	28.9	28.7	29.2	28.6	28.2	28.7	28.9
		+2.4	+2.8	+3.1	+3.0	+3.3	+3.1	+3.6	+3.0	+2.6	+3.1	+3.3
포항시	26.5	27.8	28.0	28.6	28.4	28.6	28.3	28.9	28.2	27.9	28.5	28.5
		+1.3	+1.5	+2.1	+1.9	+2.1	+1.8	+2.4	+1.7	+1.4	+2.0	+2.0

표 4-58. 경상북도의 일최저기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	25.0	27.0	27.6	28.0	28.6	28.7	28.9	28.8	29.6	27.3	28.3	29.2
		+2.0	+2.6	+3.0	+3.6	+3.7	+3.9	+3.8	+4.6	+2.3	+3.3	+4.2
경산시	26.8	28.5	29.0	29.5	30.1	30.2	30.3	30.2	31.0	28.8	29.8	30.6
		+1.7	+2.2	+2.7	+3.3	+3.4	+3.5	+3.4	+4.2	+2.0	+3.0	+3.8
경주시	25.7	27.3	27.9	28.3	28.9	28.9	29.2	29.2	29.8	27.6	28.6	29.5
		+1.6	+2.2	+2.6	+3.2	+3.2	+3.5	+3.5	+4.1	+1.9	+2.9	+3.8
고령군	25.3	27.7	28.2	28.7	29.2	29.4	29.5	29.5	30.2	27.9	28.9	29.8
		+2.4	+2.9	+3.4	+3.9	+4.1	+4.2	+4.2	+4.9	+2.6	+3.6	+4.5
구미시	25.1	27.6	28.2	28.6	29.1	29.3	29.5	29.5	30.2	27.9	28.9	29.8
		+2.5	+3.1	+3.5	+4.0	+4.2	+4.4	+4.4	+5.1	+2.8	+3.8	+4.7
군위군	24.5	27.1	27.6	28.0	28.6	28.7	28.9	28.9	29.6	27.3	28.3	29.2
		+2.6	+3.1	+3.5	+4.1	+4.2	+4.4	+4.4	+5.1	+2.8	+3.8	+4.7
김천시	24.6	27.2	27.7	28.2	28.8	28.9	29.1	29.1	29.8	27.5	28.5	29.4
		+2.6	+3.1	+3.6	+4.2	+4.3	+4.5	+4.5	+5.2	+2.9	+3.9	+4.8
문경시	24.3	27.0	27.6	27.9	28.6	28.6	29.0	28.8	29.6	27.3	28.3	29.2
		+2.7	+3.3	+3.6	+4.3	+4.3	+4.7	+4.5	+5.3	+3.0	+4.0	+4.9
봉화군	23.1	25.3	25.9	26.3	26.9	27.0	27.1	27.2	28.0	25.6	26.6	27.6
		+2.2	+2.8	+3.2	+3.8	+3.9	+4.0	+4.1	+4.9	+2.5	+3.5	+4.5
상주시	24.7	27.4	27.9	28.3	28.9	29.0	29.3	29.2	30.0	27.7	28.6	29.6
		+2.7	+3.2	+3.6	+4.2	+4.3	+4.6	+4.5	+5.3	+3.0	+3.9	+4.9
성주군	24.9	27.6	28.0	28.6	29.1	29.2	29.4	29.5	30.1	27.8	28.8	29.8
		+2.7	+3.1	+3.7	+4.2	+4.3	+4.5	+4.6	+5.2	+2.9	+3.9	+4.9
안동시	24.6	27.0	27.5	27.9	28.5	28.6	28.8	28.7	29.6	27.2	28.2	29.1
		+2.4	+2.9	+3.3	+3.9	+4.0	+4.2	+4.1	+5.0	+2.6	+3.6	+4.5
영덕군	25.7	26.6	27.2	27.4	28.0	28.3	28.4	28.5	29.2	26.9	27.7	28.8
		+0.9	+1.5	+1.7	+2.3	+2.6	+2.7	+2.8	+3.5	+1.2	+2.0	+3.1
영양군	23.4	25.5	26.0	26.3	26.9	27.1	27.2	27.2	28.0	25.8	26.6	27.6
		+2.1	+2.6	+2.9	+3.5	+3.7	+3.8	+3.8	+4.6	+2.4	+3.2	+4.2
영주시	24.1	26.5	27.1	27.6	28.1	28.2	28.4	28.3	29.2	26.8	27.9	28.7
		+2.4	+3.0	+3.5	+4.0	+4.1	+4.3	+4.2	+5.1	+2.7	+3.8	+4.6
영천시	25.4	27.5	27.9	28.3	29.0	29.1	29.2	29.1	29.9	27.7	28.6	29.5
		+2.1	+2.5	+2.9	+3.6	+3.7	+3.8	+3.7	+4.5	+2.3	+3.2	+4.1
예천군	24.4	27.1	27.7	27.9	28.6	28.7	29.0	28.8	29.7	27.4	28.3	29.3
		+2.7	+3.3	+3.5	+4.2	+4.3	+4.6	+4.4	+5.3	+3.0	+3.9	+4.9
울릉군	25.8	26.1	26.6	26.8	27.5	28.0	28.1	27.9	28.9	26.3	27.2	28.4
		+0.3	+0.8	+1.0	+1.7	+2.2	+2.3	+2.1	+3.1	+0.5	+1.4	+2.6
울진군	25.2	26.3	26.8	27.1	27.6	27.9	28.2	28.2	28.9	26.5	27.3	28.5
		+1.1	+1.6	+1.9	+2.4	+2.7	+3.0	+3.0	+3.7	+1.3	+2.1	+3.3
의성군	24.6	27.3	27.8	28.2	28.8	28.9	29.2	29.1	29.9	27.6	28.5	29.5
		+2.7	+3.2	+3.6	+4.2	+4.3	+4.6	+4.5	+5.3	+3.0	+3.9	+4.9
청도군	25.8	27.5	27.9	28.4	29.0	29.0	29.2	29.1	29.9	27.7	28.7	29.5
		+1.7	+2.1	+2.6	+3.2	+3.2	+3.4	+3.3	+4.1	+1.9	+2.9	+3.7
청송군	23.6	25.9	26.4	26.8	27.4	27.5	27.6	27.7	28.5	26.1	27.1	28.1
		+2.3	+2.8	+3.2	+3.8	+3.9	+4.0	+4.1	+4.9	+2.5	+3.5	+4.5
칠곡군	25.6	27.9	28.4	28.9	29.4	29.6	29.7	29.8	30.4	28.1	29.1	30.1
		+2.3	+2.8	+3.3	+3.8	+4.0	+4.1	+4.2	+4.8	+2.5	+3.5	+4.5
포항시	26.5	27.6	28.2	28.5	29.0	29.3	29.5	29.5	30.2	27.9	28.8	29.8
		+1.1	+1.7	+2.0	+2.5	+2.8	+3.0	+3.0	+3.7	+1.4	+2.3	+3.3

표 4-59. 경상북도의 일최저기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	25.0	27.0	27.8	28.3	28.7	29.5	30.1	30.6	31.0	27.4	28.5	30.8
		+2.0	+2.8	+3.3	+3.7	+4.5	+5.1	+5.6	+6.0	+2.4	+3.5	+5.8
경산시	26.8	28.4	29.3	29.7	30.0	31.0	31.5	32.0	32.3	28.8	29.9	32.1
		+1.6	+2.5	+2.9	+3.2	+4.2	+4.7	+5.2	+5.5	+2.0	+3.1	+5.3
경주시	25.7	27.3	28.1	28.5	28.9	29.8	30.3	30.8	31.2	27.7	28.7	31.0
		+1.6	+2.4	+2.8	+3.2	+4.1	+4.6	+5.1	+5.5	+2.0	+3.0	+5.3
고령군	25.3	27.7	28.4	28.9	29.3	30.1	30.7	31.1	31.5	28.0	29.1	31.3
		+2.4	+3.1	+3.6	+4.0	+4.8	+5.4	+5.8	+6.2	+2.7	+3.8	+6.0
구미시	25.1	27.6	28.4	29.0	29.4	30.1	30.7	31.3	31.7	28.0	29.2	31.5
		+2.5	+3.3	+3.9	+4.3	+5.0	+5.6	+6.2	+6.6	+2.9	+4.1	+6.4
군위군	24.5	27.0	27.9	28.4	28.8	29.6	30.2	30.6	31.0	27.4	28.6	30.8
		+2.5	+3.4	+3.9	+4.3	+5.1	+5.7	+6.1	+6.5	+2.9	+4.1	+6.3
김천시	24.6	27.3	28.0	28.6	28.9	29.6	30.3	30.8	31.3	27.6	28.8	31.1
		+2.7	+3.4	+4.0	+4.3	+5.0	+5.7	+6.2	+6.7	+3.0	+4.2	+6.5
문경시	24.3	27.0	27.7	28.3	28.7	29.4	30.0	30.7	31.1	27.3	28.5	30.9
		+2.7	+3.4	+4.0	+4.4	+5.1	+5.7	+6.4	+6.8	+3.0	+4.2	+6.6
봉화군	23.1	25.4	26.1	26.7	27.1	27.9	28.5	29.1	29.4	25.7	26.9	29.2
		+2.3	+3.0	+3.6	+4.0	+4.8	+5.4	+6.0	+6.3	+2.6	+3.8	+6.1
상주시	24.7	27.4	28.1	28.7	29.1	29.8	30.5	31.0	31.5	27.7	28.9	31.3
		+2.7	+3.4	+4.0	+4.4	+5.1	+5.8	+6.3	+6.8	+3.0	+4.2	+6.6
성주군	24.9	27.5	28.3	28.9	29.2	30.0	30.7	31.1	31.4	27.9	29.1	31.3
		+2.6	+3.4	+4.0	+4.3	+5.1	+5.8	+6.2	+6.5	+3.0	+4.2	+6.4
안동시	24.6	27.0	27.8	28.4	28.7	29.4	30.1	30.6	31.0	27.4	28.5	30.8
		+2.4	+3.2	+3.8	+4.1	+4.8	+5.5	+6.0	+6.4	+2.8	+3.9	+6.2
영덕군	25.7	26.5	27.5	27.9	28.2	29.2	29.7	30.3	30.7	27.0	28.0	30.5
		+0.8	+1.8	+2.2	+2.5	+3.5	+4.0	+4.6	+5.0	+1.3	+2.3	+4.8
영양군	23.4	25.5	26.2	26.8	27.0	28.0	28.7	29.0	29.4	25.9	26.9	29.2
		+2.1	+2.8	+3.4	+3.6	+4.6	+5.3	+5.6	+6.0	+2.5	+3.5	+5.8
영주시	24.1	26.5	27.2	27.9	28.3	29.0	29.6	30.2	30.6	26.9	28.1	30.4
		+2.4	+3.1	+3.8	+4.2	+4.9	+5.5	+6.1	+6.5	+2.8	+4.0	+6.3
영천시	25.4	27.3	28.1	28.7	29.0	29.9	30.5	30.9	31.3	27.7	28.8	31.1
		+1.9	+2.7	+3.3	+3.6	+4.5	+5.1	+5.5	+5.9	+2.3	+3.4	+5.7
예천군	24.4	27.1	27.8	28.4	28.8	29.5	30.2	30.7	31.2	27.4	28.6	30.9
		+2.7	+3.4	+4.0	+4.4	+5.1	+5.8	+6.3	+6.8	+3.0	+4.2	+6.5
울릉군	25.8	25.9	27.2	27.4	27.8	28.4	29.2	29.9	30.3	26.5	27.6	30.1
		+0.1	+1.4	+1.6	+2.0	+2.6	+3.4	+4.1	+4.5	+0.7	+1.8	+4.3
울진군	25.2	26.2	27.2	27.5	27.9	28.8	29.4	30.0	30.4	26.7	27.7	30.2
		+1.0	+2.0	+2.3	+2.7	+3.6	+4.2	+4.8	+5.2	+1.5	+2.5	+5.0
의성군	24.6	27.3	28.1	28.7	29.1	29.7	30.4	30.9	31.3	27.7	28.9	31.1
		+2.7	+3.5	+4.1	+4.5	+5.1	+5.8	+6.3	+6.7	+3.1	+4.3	+6.5
청도군	25.8	27.3	28.2	28.6	28.9	29.8	30.3	30.8	31.1	27.7	28.8	30.9
		+1.5	+2.4	+2.8	+3.1	+4.0	+4.5	+5.0	+5.3	+1.9	+3.0	+5.1
청송군	23.6	25.9	26.6	27.3	27.5	28.4	29.1	29.4	29.8	26.2	27.4	29.6
		+2.3	+3.0	+3.7	+3.9	+4.8	+5.5	+5.8	+6.2	+2.6	+3.8	+6.0
칠곡군	25.6	27.9	28.7	29.2	29.6	30.4	31.0	31.5	31.8	28.3	29.4	31.7
		+2.3	+3.1	+3.6	+4.0	+4.8	+5.4	+5.9	+6.2	+2.7	+3.8	+6.1
포항시	26.5	27.5	28.5	28.8	29.2	30.1	30.7	31.3	31.6	28.0	29.0	31.4
		+1.0	+2.0	+2.3	+2.7	+3.6	+4.2	+4.8	+5.1	+1.5	+2.5	+4.9

표 4-60. 경상북도의 일최저기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	25.0	27.1	27.6	28.6	28.9	29.9	30.7	31.4	32.2	27.3	28.8	31.8
		+2.1	+2.6	+3.6	+3.9	+4.9	+5.7	+6.4	+7.2	+2.3	+3.8	+6.8
경산시	26.8	28.6	29.0	29.9	30.4	31.2	32.0	32.8	33.6	28.8	30.2	33.2
		+1.8	+2.2	+3.1	+3.6	+4.4	+5.2	+6.0	+6.8	+2.0	+3.4	+6.4
경주시	25.7	27.5	27.9	28.8	29.3	30.0	30.9	31.7	32.4	27.7	29.0	32.0
		+1.8	+2.2	+3.1	+3.6	+4.3	+5.2	+6.0	+6.7	+2.0	+3.3	+6.3
고령군	25.3	27.8	28.3	29.1	29.7	30.3	31.3	32.0	32.8	28.0	29.4	32.4
		+2.5	+3.0	+3.8	+4.4	+5.0	+6.0	+6.7	+7.5	+2.7	+4.1	+7.1
구미시	25.1	27.7	28.3	29.1	29.6	30.5	31.4	32.2	32.8	28.0	29.3	32.5
		+2.6	+3.2	+4.0	+4.5	+5.4	+6.3	+7.1	+7.7	+2.9	+4.2	+7.4
군위군	24.5	27.2	27.7	28.5	29.0	29.8	30.7	31.5	32.2	27.4	28.7	31.9
		+2.7	+3.2	+4.0	+4.5	+5.3	+6.2	+7.0	+7.7	+2.9	+4.2	+7.4
김천시	24.6	27.3	27.9	28.7	29.1	30.0	31.0	31.7	32.5	27.6	28.9	32.1
		+2.7	+3.3	+4.1	+4.5	+5.4	+6.4	+7.1	+7.9	+3.0	+4.3	+7.5
문경시	24.3	27.0	27.7	28.6	28.9	29.9	30.8	31.4	32.3	27.3	28.7	31.8
		+2.7	+3.4	+4.3	+4.6	+5.6	+6.5	+7.1	+8.0	+3.0	+4.4	+7.5
봉화군	23.1	25.4	26.0	26.9	27.3	28.2	29.0	29.7	30.6	25.7	27.1	30.2
		+2.3	+2.9	+3.8	+4.2	+5.1	+5.9	+6.6	+7.5	+2.6	+4.0	+7.1
상주시	24.7	27.4	28.0	29.0	29.3	30.3	31.2	31.9	32.7	27.7	29.1	32.3
		+2.7	+3.3	+4.3	+4.6	+5.6	+6.5	+7.2	+8.0	+3.0	+4.4	+7.6
성주군	24.9	27.7	28.2	29.0	29.5	30.3	31.2	31.9	32.7	27.9	29.3	32.3
		+2.8	+3.3	+4.1	+4.6	+5.4	+6.3	+7.0	+7.8	+3.0	+4.4	+7.4
안동시	24.6	27.0	27.6	28.5	28.9	29.7	30.6	31.4	32.2	27.3	28.7	31.8
		+2.4	+3.0	+3.9	+4.3	+5.1	+6.0	+6.8	+7.6	+2.7	+4.1	+7.2
영덕군	25.7	26.6	27.0	28.2	28.5	29.5	30.2	30.9	31.8	26.8	28.4	31.3
		+0.9	+1.3	+2.5	+2.8	+3.8	+4.5	+5.2	+6.1	+1.1	+2.7	+5.6
영양군	23.4	25.5	26.0	26.9	27.3	28.1	29.1	29.7	30.6	25.8	27.1	30.2
		+2.1	+2.6	+3.5	+3.9	+4.7	+5.7	+6.3	+7.2	+2.4	+3.7	+6.8
영주시	24.1	26.6	27.1	28.1	28.5	29.4	30.2	30.9	31.9	26.8	28.3	31.4
		+2.5	+3.0	+4.0	+4.4	+5.3	+6.1	+6.8	+7.8	+2.7	+4.2	+7.3
영천시	25.4	27.5	28.0	28.8	29.3	30.0	31.0	31.6	32.5	27.7	29.1	32.1
		+2.1	+2.6	+3.4	+3.9	+4.6	+5.6	+6.2	+7.1	+2.3	+3.7	+6.7
예천군	24.4	27.1	27.7	28.6	29.0	30.0	30.8	31.5	32.3	27.4	28.8	31.9
		+2.7	+3.3	+4.2	+4.6	+5.6	+6.4	+7.1	+7.9	+3.0	+4.4	+7.5
울릉군	25.8	25.7	26.3	28.0	28.1	29.4	29.7	30.8	31.6	26.0	28.1	31.2
		-0.1	+0.5	+2.2	+2.3	+3.6	+3.9	+5.0	+5.8	+0.2	+2.3	+5.4
울진군	25.2	26.3	26.6	28.0	28.2	29.3	29.8	30.6	31.4	26.5	28.1	31.0
		+1.1	+1.4	+2.8	+3.0	+4.1	+4.6	+5.4	+6.2	+1.3	+2.9	+5.8
의성군	24.6	27.4	27.9	28.7	29.2	30.0	31.0	31.7	32.5	27.6	29.0	32.1
		+2.8	+3.3	+4.1	+4.6	+5.4	+6.4	+7.1	+7.9	+3.0	+4.4	+7.5
청도군	25.8	27.5	27.9	28.8	29.3	30.1	30.9	31.6	32.5	27.7	29.0	32.1
		+1.7	+2.1	+3.0	+3.5	+4.3	+5.1	+5.8	+6.7	+1.9	+3.2	+6.3
청송군	23.6	26.0	26.4	27.4	27.8	28.5	29.5	30.2	31.1	26.2	27.6	30.6
		+2.4	+2.8	+3.8	+4.2	+4.9	+5.9	+6.6	+7.5	+2.6	+4.0	+7.0
칠곡군	25.6	28.0	28.6	29.4	29.8	30.8	31.6	32.4	33.1	28.3	29.6	32.7
		+2.4	+3.0	+3.8	+4.2	+5.2	+6.0	+6.8	+7.5	+2.7	+4.0	+7.1
포항시	26.5	27.7	28.1	29.2	29.6	30.4	31.2	32.0	32.8	27.9	29.4	32.4
		+1.2	+1.6	+2.7	+3.1	+3.9	+4.7	+5.5	+6.3	+1.4	+2.9	+5.9

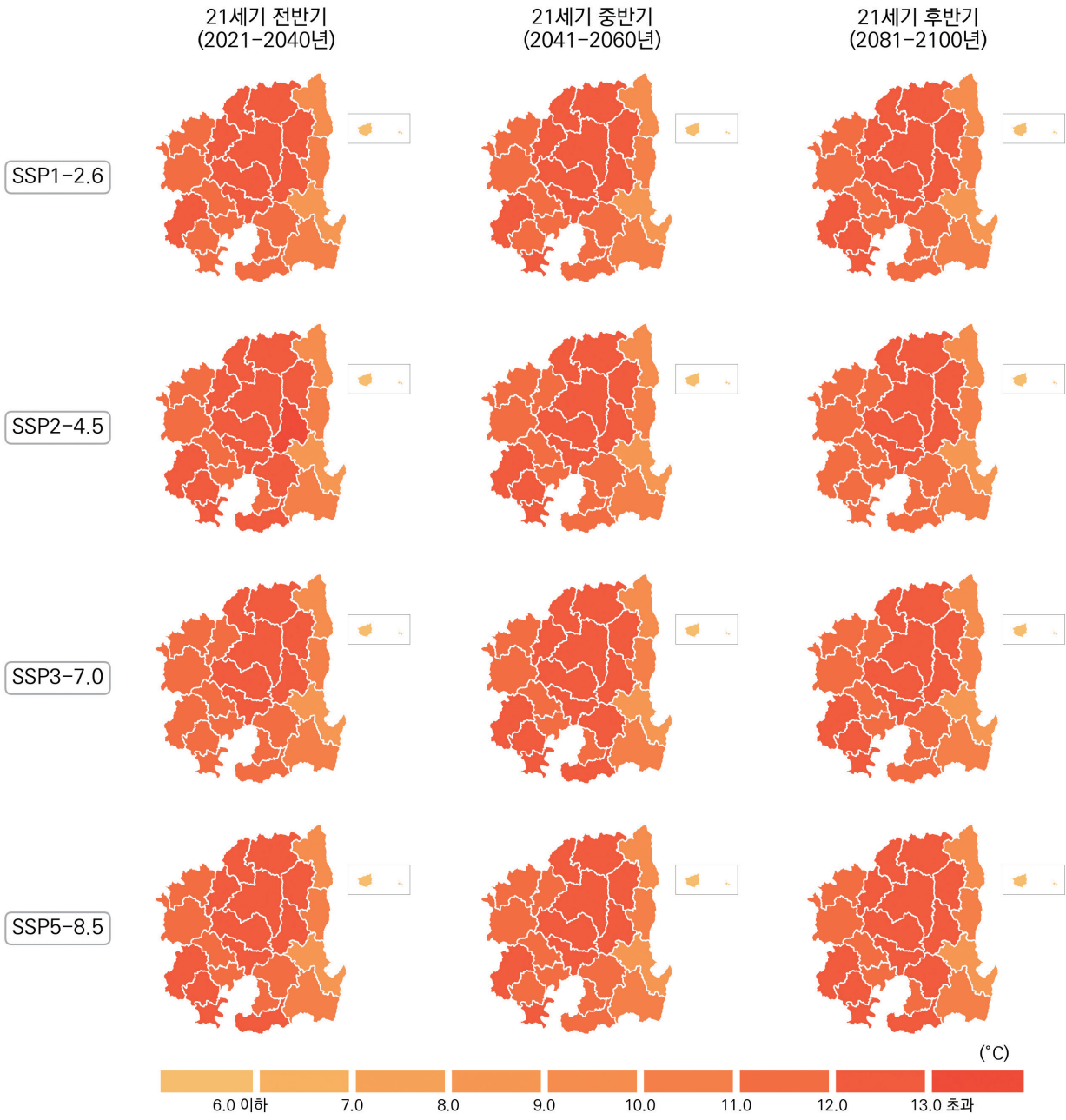


그림 4-25. 경상북도의 일교차(°C) 전망 분포도

표 4-61. 경상북도의 일교차 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	11.2	11.3	11.3	11.4	11.3	11.3	11.3	11.4	11.3	11.3	11.3	11.4
		+0.1	+0.1	+0.2	+0.1	+0.1	+0.1	+0.1	+0.2	+0.1	+0.1	+0.1
경산시	11.1	11.1	11.1	11.2	11.1	11.1	11.1	11.3	11.2	11.1	11.1	11.2
		+0.0	+0.0	+0.1	+0.0	+0.0	+0.0	+0.2	+0.1	+0.0	+0.0	+0.1
경주시	10.6	10.6	10.7	10.7	10.6	10.6	10.6	10.8	10.6	10.6	10.7	10.7
		+0.0	+0.1	+0.1	+0.0	+0.0	+0.0	+0.2	+0.0	+0.0	+0.1	+0.1
고령군	12.0	12.0	12.1	12.1	12.0	12.0	12.1	12.2	12.1	12.0	12.1	12.1
		+0.0	+0.1	+0.1	+0.0	+0.0	+0.1	+0.2	+0.1	+0.0	+0.1	+0.1
구미시	11.7	11.8	11.8	11.8	11.7	11.7	11.8	11.9	11.8	11.8	11.7	11.8
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.1	+0.2	+0.1	+0.1	+0.0	+0.1
군위군	12.6	12.7	12.6	12.7	12.5	12.6	12.7	12.8	12.7	12.6	12.6	12.7
		+0.1	+0.0	+0.1	-0.1	+0.0	+0.1	+0.2	+0.1	+0.0	+0.0	+0.1
김천시	12.0	12.1	12.1	12.1	12.0	12.0	12.1	12.2	12.2	12.1	12.1	12.2
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.1	+0.2	+0.2	+0.1	+0.1	+0.2
문경시	11.5	11.7	11.6	11.7	11.6	11.6	11.7	11.7	11.7	11.7	11.6	11.7
		+0.2	+0.1	+0.2	+0.1	+0.1	+0.2	+0.2	+0.2	+0.2	+0.1	+0.2
봉화군	12.5	12.5	12.5	12.5	12.5	12.4	12.5	12.6	12.4	12.5	12.5	12.5
		+0.0	+0.0	+0.0	+0.0	-0.1	+0.0	+0.1	-0.1	+0.0	+0.0	+0.0
상주시	11.3	11.4	11.4	11.4	11.3	11.3	11.4	11.5	11.5	11.4	11.3	11.5
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.1	+0.2	+0.2	+0.1	+0.0	+0.2
성주군	12.0	12.0	12.1	12.1	12.0	12.0	12.1	12.2	12.1	12.0	12.0	12.1
		+0.0	+0.1	+0.1	+0.0	+0.0	+0.1	+0.2	+0.1	+0.0	+0.0	+0.1
안동시	12.2	12.3	12.3	12.4	12.3	12.3	12.3	12.4	12.3	12.3	12.3	12.4
		+0.1	+0.1	+0.2	+0.1	+0.1	+0.1	+0.2	+0.1	+0.1	+0.1	+0.2
영덕군	10.2	10.2	10.2	10.3	10.2	10.2	10.2	10.3	10.1	10.2	10.2	10.2
		+0.0	+0.0	+0.1	+0.0	+0.0	+0.0	+0.1	-0.1	+0.0	+0.0	+0.0
영양군	12.1	12.2	12.2	12.2	12.1	12.1	12.1	12.3	12.1	12.2	12.2	12.2
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.0	+0.2	+0.0	+0.1	+0.1	+0.1
영주시	12.5	12.5	12.5	12.5	12.4	12.4	12.5	12.6	12.5	12.5	12.5	12.5
		+0.0	+0.0	+0.0	-0.1	-0.1	+0.0	+0.1	+0.0	+0.0	+0.0	+0.0
영천시	11.9	11.9	11.9	12.0	11.9	11.9	12.0	12.1	12.0	11.9	12.0	12.0
		+0.0	+0.0	+0.1	+0.0	+0.0	+0.1	+0.2	+0.1	+0.0	+0.1	+0.1
예천군	12.0	12.1	12.1	12.1	12.0	12.0	12.1	12.2	12.1	12.1	12.1	12.1
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.1	+0.2	+0.1	+0.1	+0.1	+0.1
울릉군	5.8	5.7	5.8	5.8	5.8	5.7	5.7	5.8	5.7	5.8	5.8	5.7
		-0.1	+0.0	+0.0	+0.0	-0.1	-0.1	+0.0	-0.1	+0.0	+0.0	-0.1
울진군	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.4	9.2	9.3	9.3	9.3
		+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.1	-0.1	+0.0	+0.0	+0.0
의성군	12.8	12.9	12.8	12.9	12.8	12.8	12.9	13.0	12.9	12.9	12.9	12.9
		+0.1	+0.0	+0.1	+0.0	+0.0	+0.1	+0.2	+0.1	+0.1	+0.1	+0.1
청도군	11.9	12.0	12.0	12.1	11.9	11.9	12.0	12.1	12.0	12.0	12.0	12.0
		+0.1	+0.1	+0.2	+0.0	+0.0	+0.1	+0.2	+0.1	+0.1	+0.1	+0.1
청송군	12.9	12.9	12.9	13.0	12.9	12.9	12.9	13.0	12.9	12.9	12.9	13.0
		+0.0	+0.0	+0.1	+0.0	+0.0	+0.0	+0.1	+0.0	+0.0	+0.0	+0.1
칠곡군	11.6	11.7	11.7	11.8	11.7	11.7	11.7	11.9	11.8	11.7	11.7	11.8
		+0.1	+0.1	+0.2	+0.1	+0.1	+0.1	+0.3	+0.2	+0.1	+0.1	+0.2
포항시	8.8	8.8	8.9	9.0	8.9	8.9	8.9	9.0	8.8	8.9	8.9	8.9
		+0.0	+0.1	+0.2	+0.1	+0.1	+0.1	+0.2	+0.0	+0.1	+0.1	+0.1

표 4-62. 경상북도의 일교차 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	11.2	11.5	11.4	11.3	11.3	11.3	11.3	11.2	11.3	11.4	11.3	11.3
		+0.3	+0.2	+0.1	+0.1	+0.1	+0.1	+0.0	+0.1	+0.2	+0.1	+0.1
경산시	11.1	11.3	11.2	11.2	11.2	11.1	11.1	11.1	11.2	11.3	11.2	11.1
		+0.2	+0.1	+0.1	+0.1	+0.0	+0.0	+0.0	+0.1	+0.2	+0.1	+0.0
경주시	10.6	10.8	10.7	10.7	10.7	10.6	10.7	10.6	10.7	10.8	10.7	10.6
		+0.2	+0.1	+0.1	+0.1	+0.0	+0.1	+0.0	+0.1	+0.2	+0.1	+0.0
고령군	12.0	12.2	12.1	12.1	12.1	12.0	12.0	12.0	12.1	12.2	12.1	12.0
		+0.2	+0.1	+0.1	+0.1	+0.0	+0.0	+0.0	+0.1	+0.2	+0.1	+0.0
구미시	11.7	11.9	11.8	11.7	11.8	11.7	11.7	11.7	11.8	11.9	11.8	11.7
		+0.2	+0.1	+0.0	+0.1	+0.0	+0.0	+0.0	+0.1	+0.2	+0.1	+0.0
군위군	12.6	12.8	12.7	12.6	12.7	12.6	12.6	12.5	12.6	12.8	12.6	12.6
		+0.2	+0.1	+0.0	+0.1	+0.0	+0.0	-0.1	+0.0	+0.2	+0.0	+0.0
김천시	12.0	12.2	12.1	12.0	12.1	12.0	12.0	12.0	12.1	12.2	12.1	12.0
		+0.2	+0.1	+0.0	+0.1	+0.0	+0.0	+0.0	+0.1	+0.2	+0.1	+0.0
문경시	11.5	11.8	11.7	11.5	11.6	11.6	11.5	11.5	11.6	11.7	11.6	11.5
		+0.3	+0.2	+0.0	+0.1	+0.1	+0.0	+0.0	+0.1	+0.2	+0.1	+0.0
봉화군	12.5	12.6	12.6	12.4	12.5	12.5	12.4	12.3	12.5	12.6	12.4	12.4
		+0.1	+0.1	-0.1	+0.0	+0.0	-0.1	-0.2	+0.0	+0.1	-0.1	-0.1
상주시	11.3	11.5	11.4	11.3	11.4	11.3	11.2	11.2	11.3	11.5	11.3	11.3
		+0.2	+0.1	+0.0	+0.1	+0.0	-0.1	-0.1	+0.0	+0.2	+0.0	+0.0
성주군	12.0	12.2	12.1	12.1	12.1	12.0	12.0	12.0	12.1	12.2	12.1	12.0
		+0.2	+0.1	+0.1	+0.1	+0.0	+0.0	+0.0	+0.1	+0.2	+0.1	+0.0
안동시	12.2	12.5	12.4	12.2	12.3	12.3	12.2	12.1	12.3	12.4	12.3	12.2
		+0.3	+0.2	+0.0	+0.1	+0.1	+0.0	-0.1	+0.1	+0.2	+0.1	+0.0
영덕군	10.2	10.3	10.3	10.2	10.2	10.1	10.2	10.1	10.2	10.3	10.2	10.1
		+0.1	+0.1	+0.0	+0.0	-0.1	+0.0	-0.1	+0.0	+0.1	+0.0	-0.1
영양군	12.1	12.3	12.3	12.1	12.1	12.1	12.1	12.0	12.2	12.3	12.1	12.1
		+0.2	+0.2	+0.0	+0.0	+0.0	+0.0	-0.1	+0.1	+0.2	+0.0	+0.0
영주시	12.5	12.6	12.6	12.4	12.5	12.5	12.4	12.3	12.4	12.6	12.4	12.4
		+0.1	+0.1	-0.1	+0.0	+0.0	-0.1	-0.2	-0.1	+0.1	-0.1	-0.1
영천시	11.9	12.2	12.1	12.0	12.0	11.9	11.9	11.9	12.0	12.1	12.0	11.9
		+0.3	+0.2	+0.1	+0.1	+0.0	+0.0	+0.0	+0.1	+0.2	+0.1	+0.0
예천군	12.0	12.2	12.1	12.0	12.1	12.0	11.9	11.9	12.0	12.2	12.0	12.0
		+0.2	+0.1	+0.0	+0.1	+0.0	-0.1	-0.1	+0.0	+0.2	+0.0	+0.0
울릉군	5.8	5.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
		+0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
울진군	9.3	9.4	9.4	9.3	9.3	9.3	9.3	9.2	9.3	9.4	9.3	9.2
		+0.1	+0.1	+0.0	+0.0	+0.0	+0.0	-0.1	+0.0	+0.1	+0.0	-0.1
의성군	12.8	13.0	12.9	12.8	12.9	12.8	12.8	12.7	12.8	13.0	12.8	12.8
		+0.2	+0.1	+0.0	+0.1	+0.0	+0.0	-0.1	+0.0	+0.2	+0.0	+0.0
청도군	11.9	12.2	12.0	12.0	12.0	12.0	12.0	11.9	12.0	12.1	12.0	12.0
		+0.3	+0.1	+0.1	+0.1	+0.1	+0.1	+0.0	+0.1	+0.2	+0.1	+0.1
청송군	12.9	13.1	13.0	12.9	12.9	12.9	12.9	12.8	12.9	13.1	12.9	12.8
		+0.2	+0.1	+0.0	+0.0	+0.0	+0.0	-0.1	+0.0	+0.2	+0.0	-0.1
칠곡군	11.6	11.9	11.8	11.7	11.8	11.7	11.7	11.7	11.8	11.8	11.7	11.7
		+0.3	+0.2	+0.1	+0.2	+0.1	+0.1	+0.1	+0.2	+0.2	+0.1	+0.1
포항시	8.8	9.1	9.0	8.9	8.9	8.9	8.9	8.8	8.9	9.0	8.9	8.9
		+0.3	+0.2	+0.1	+0.1	+0.1	+0.1	+0.0	+0.1	+0.2	+0.1	+0.1

표 4-63. 경상북도의 일교차 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	11.2	11.4	11.2	11.5	11.3	11.2	11.2	11.3	11.3	11.3	11.4	11.3
		+0.2	+0.0	+0.3	+0.1	+0.0	+0.0	+0.1	+0.1	+0.1	+0.1	+0.2
경산시	11.1	11.2	11.0	11.4	11.1	11.0	11.0	11.1	11.1	11.1	11.2	11.1
		+0.1	-0.1	+0.3	+0.0	-0.1	-0.1	+0.0	+0.0	+0.0	+0.0	+0.1
경주시	10.6	10.8	10.6	10.9	10.6	10.5	10.6	10.6	10.6	10.7	10.7	10.6
		+0.2	+0.0	+0.3	+0.0	-0.1	+0.0	+0.0	+0.0	+0.1	+0.1	+0.0
고령군	12.0	12.1	11.9	12.3	12.0	11.9	11.9	12.1	12.1	12.0	12.2	12.1
		+0.1	-0.1	+0.3	+0.0	-0.1	-0.1	+0.1	+0.1	+0.0	+0.2	+0.1
구미시	11.7	11.8	11.7	12.0	11.7	11.6	11.6	11.7	11.8	11.7	11.9	11.7
		+0.1	+0.0	+0.3	+0.0	-0.1	-0.1	+0.0	+0.1	+0.0	+0.2	+0.0
군위군	12.6	12.7	12.5	12.9	12.6	12.5	12.5	12.6	12.6	12.6	12.8	12.6
		+0.1	-0.1	+0.3	+0.0	-0.1	-0.1	+0.0	+0.0	+0.0	+0.2	+0.0
김천시	12.0	12.1	12.0	12.3	12.0	12.0	11.9	12.1	12.1	12.0	12.2	12.1
		+0.1	+0.0	+0.3	+0.0	+0.0	-0.1	+0.1	+0.1	+0.0	+0.2	+0.1
문경시	11.5	11.6	11.5	11.8	11.6	11.5	11.4	11.6	11.6	11.6	11.7	11.6
		+0.1	+0.0	+0.3	+0.1	+0.0	-0.1	+0.1	+0.1	+0.1	+0.2	+0.1
봉화군	12.5	12.5	12.4	12.7	12.4	12.4	12.3	12.4	12.4	12.5	12.6	12.4
		+0.0	-0.1	+0.2	-0.1	-0.1	-0.2	-0.1	-0.1	+0.0	+0.1	-0.1
상주시	11.3	11.4	11.2	11.6	11.3	11.3	11.1	11.3	11.4	11.3	11.5	11.3
		+0.1	-0.1	+0.3	+0.0	+0.0	-0.2	+0.0	+0.1	+0.0	+0.2	+0.0
성주군	12.0	12.1	12.0	12.3	12.0	11.9	11.9	12.1	12.1	12.0	12.2	12.1
		+0.1	+0.0	+0.3	+0.0	-0.1	-0.1	+0.1	+0.1	+0.0	+0.2	+0.1
안동시	12.2	12.4	12.2	12.5	12.3	12.2	12.1	12.2	12.2	12.3	12.4	12.2
		+0.2	+0.0	+0.3	+0.1	+0.0	-0.1	+0.0	+0.0	+0.1	+0.2	+0.0
영덕군	10.2	10.3	10.2	10.3	10.2	10.1	10.0	10.1	10.1	10.2	10.2	10.1
		+0.1	+0.0	+0.1	+0.0	-0.1	-0.2	-0.1	-0.1	+0.0	+0.0	-0.1
영양군	12.1	12.2	12.1	12.3	12.1	12.1	12.0	12.1	12.1	12.1	12.2	12.1
		+0.1	+0.0	+0.2	+0.0	+0.0	-0.1	+0.0	+0.0	+0.0	+0.1	+0.0
영주시	12.5	12.5	12.4	12.7	12.4	12.4	12.3	12.4	12.4	12.4	12.6	12.4
		+0.0	-0.1	+0.2	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	+0.1	-0.1
영천시	11.9	12.1	11.9	12.2	11.9	11.8	11.8	11.9	11.9	12.0	12.1	11.9
		+0.2	+0.0	+0.3	+0.0	-0.1	-0.1	+0.0	+0.0	+0.1	+0.2	+0.0
예천군	12.0	12.1	12.0	12.3	12.0	12.0	11.8	12.0	12.0	12.0	12.1	12.0
		+0.1	+0.0	+0.3	+0.0	+0.0	-0.2	+0.0	+0.0	+0.0	+0.1	+0.0
울릉군	5.8	5.8	5.8	5.8	5.7	5.6	5.7	5.6	5.6	5.8	5.8	5.6
		+0.0	+0.0	+0.0	-0.1	-0.2	-0.1	-0.2	-0.2	+0.0	+0.0	-0.2
울진군	9.3	9.3	9.3	9.4	9.3	9.2	9.2	9.2	9.2	9.3	9.3	9.2
		+0.0	+0.0	+0.1	+0.0	-0.1	-0.1	-0.1	-0.1	+0.0	+0.0	-0.1
의성군	12.8	12.9	12.7	13.1	12.8	12.7	12.6	12.8	12.8	12.8	13.0	12.8
		+0.1	-0.1	+0.3	+0.0	-0.1	-0.2	+0.0	+0.0	+0.0	+0.2	+0.0
청도군	11.9	12.1	11.8	12.2	12.0	11.8	11.8	11.9	12.0	12.0	12.1	11.9
		+0.2	-0.1	+0.3	+0.1	-0.1	-0.1	+0.0	+0.1	+0.1	+0.2	+0.0
청송군	12.9	13.0	12.8	13.2	12.9	12.8	12.8	12.8	12.8	12.9	13.0	12.8
		+0.1	-0.1	+0.3	+0.0	-0.1	-0.1	-0.1	-0.1	+0.0	+0.1	-0.1
칠곡군	11.6	11.8	11.6	12.0	11.7	11.6	11.6	11.7	11.7	11.7	11.8	11.7
		+0.2	+0.0	+0.4	+0.1	+0.0	+0.0	+0.1	+0.1	+0.1	+0.2	+0.1
포항시	8.8	9.0	8.9	9.1	8.9	8.8	8.8	8.8	8.8	8.9	9.0	8.8
		+0.2	+0.1	+0.3	+0.1	+0.0	+0.0	+0.0	+0.0	+0.1	+0.2	+0.0

표 4-64. 경상북도의 일교차 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	11.2	11.4	11.4	11.2	11.3	11.4	11.2	11.4	11.4	11.4	11.3	11.4
		+0.2	+0.2	+0.0	+0.1	+0.2	+0.0	+0.2	+0.2	+0.2	+0.1	+0.2
경산시	11.1	11.3	11.2	11.0	11.2	11.2	11.1	11.3	11.3	11.2	11.1	11.3
		+0.2	+0.1	-0.1	+0.1	+0.1	+0.0	+0.2	+0.2	+0.1	+0.0	+0.2
경주시	10.6	10.7	10.7	10.5	10.6	10.7	10.6	10.8	10.7	10.7	10.6	10.7
		+0.1	+0.1	-0.1	+0.0	+0.1	+0.0	+0.2	+0.1	+0.1	+0.0	+0.1
고령군	12.0	12.2	12.1	12.0	12.1	12.1	12.0	12.3	12.2	12.2	12.1	12.2
		+0.2	+0.1	+0.0	+0.1	+0.1	+0.0	+0.3	+0.2	+0.2	+0.1	+0.2
구미시	11.7	11.9	11.8	11.7	11.8	11.9	11.7	12.0	11.9	11.9	11.8	11.9
		+0.2	+0.1	+0.0	+0.1	+0.2	+0.0	+0.3	+0.2	+0.2	+0.1	+0.2
군위군	12.6	12.8	12.7	12.6	12.6	12.8	12.5	12.8	12.7	12.8	12.6	12.8
		+0.2	+0.1	+0.0	+0.0	+0.2	-0.1	+0.2	+0.1	+0.2	+0.0	+0.2
김천시	12.0	12.2	12.1	12.0	12.1	12.2	12.0	12.3	12.2	12.2	12.1	12.2
		+0.2	+0.1	+0.0	+0.1	+0.2	+0.0	+0.3	+0.2	+0.2	+0.1	+0.2
문경시	11.5	11.8	11.7	11.6	11.6	11.7	11.6	11.8	11.7	11.7	11.6	11.8
		+0.3	+0.2	+0.1	+0.1	+0.2	+0.1	+0.3	+0.2	+0.2	+0.1	+0.3
봉화군	12.5	12.6	12.5	12.4	12.4	12.6	12.4	12.6	12.6	12.5	12.4	12.6
		+0.1	+0.0	-0.1	-0.1	+0.1	-0.1	+0.1	+0.1	+0.0	-0.1	+0.1
상주시	11.3	11.5	11.4	11.4	11.4	11.5	11.3	11.5	11.5	11.5	11.4	11.5
		+0.2	+0.1	+0.1	+0.1	+0.2	+0.0	+0.2	+0.2	+0.2	+0.1	+0.2
성주군	12.0	12.2	12.1	12.0	12.1	12.1	12.0	12.2	12.2	12.2	12.0	12.2
		+0.2	+0.1	+0.0	+0.1	+0.1	+0.0	+0.2	+0.2	+0.2	+0.0	+0.2
안동시	12.2	12.4	12.4	12.2	12.3	12.4	12.2	12.5	12.4	12.4	12.2	12.4
		+0.2	+0.2	+0.0	+0.1	+0.2	+0.0	+0.3	+0.2	+0.2	+0.0	+0.2
영덕군	10.2	10.3	10.2	10.1	10.1	10.2	10.1	10.2	10.1	10.2	10.1	10.1
		+0.1	+0.0	-0.1	-0.1	+0.0	-0.1	+0.0	-0.1	+0.0	-0.1	-0.1
영양군	12.1	12.2	12.2	12.0	12.1	12.2	12.1	12.3	12.2	12.2	12.1	12.2
		+0.1	+0.1	-0.1	+0.0	+0.1	+0.0	+0.2	+0.1	+0.1	+0.0	+0.1
영주시	12.5	12.6	12.5	12.5	12.4	12.6	12.4	12.6	12.6	12.6	12.4	12.6
		+0.1	+0.0	+0.0	-0.1	+0.1	-0.1	+0.1	+0.1	+0.1	-0.1	+0.1
영천시	11.9	12.1	12.0	11.9	12.0	12.0	11.9	12.1	12.1	12.0	11.9	12.1
		+0.2	+0.1	+0.0	+0.1	+0.1	+0.0	+0.2	+0.2	+0.1	+0.0	+0.2
예천군	12.0	12.2	12.1	12.1	12.0	12.2	12.0	12.2	12.2	12.1	12.0	12.2
		+0.2	+0.1	+0.1	+0.0	+0.2	+0.0	+0.2	+0.2	+0.2	+0.1	+0.0
울릉군	5.8	5.8	5.8	5.7	5.7	5.7	5.6	5.6	5.5	5.8	5.7	5.5
		+0.0	+0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.3	+0.0	-0.1	-0.3
울진군	9.3	9.3	9.3	9.2	9.3	9.3	9.2	9.3	9.2	9.3	9.2	9.3
		+0.0	+0.0	-0.1	+0.0	+0.0	-0.1	+0.0	-0.1	+0.0	-0.1	+0.0
의성군	12.8	13.0	12.9	12.8	12.8	13.0	12.7	13.0	13.0	13.0	12.8	13.0
		+0.2	+0.1	+0.0	+0.0	+0.2	-0.1	+0.2	+0.2	+0.2	+0.0	+0.2
청도군	11.9	12.1	12.0	11.9	12.0	12.1	11.9	12.2	12.1	12.1	11.9	12.1
		+0.2	+0.1	+0.0	+0.1	+0.2	+0.0	+0.3	+0.2	+0.2	+0.0	+0.2
청송군	12.9	13.0	13.0	12.8	12.9	13.0	12.8	13.1	13.0	13.0	12.8	13.0
		+0.1	+0.1	-0.1	+0.0	+0.1	-0.1	+0.2	+0.1	+0.1	-0.1	+0.1
칠곡군	11.6	11.9	11.8	11.7	11.8	11.8	11.7	11.9	11.9	11.8	11.7	11.9
		+0.3	+0.2	+0.1	+0.2	+0.2	+0.1	+0.3	+0.3	+0.2	+0.1	+0.3
포항시	8.8	9.0	8.9	8.8	8.8	8.9	8.8	9.0	8.9	8.9	8.8	9.0
		+0.2	+0.1	+0.0	+0.0	+0.1	+0.0	+0.2	+0.1	+0.1	+0.0	+0.2



그림 4-26. 경상북도의 식물성장가능기간(일) 전망 분포도

표 4-65. 경상북도의 식물성장가능기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	260.1	280.9	281.0	282.3	280.0	283.7	284.7	288.9	294.8	280.9	281.1	291.9
		+20.8	+20.9	+22.2	+19.9	+23.6	+24.6	+28.8	+34.7	+20.8	+21.0	+31.8
경산시	279.2	293.4	298.1	302.1	294.1	295.4	299.2	303.9	310.7	295.7	298.1	307.3
		+14.2	+18.9	+22.9	+14.9	+16.2	+20.0	+24.7	+31.5	+16.5	+18.9	+28.1
경주시	279.6	294.5	299.4	303.2	294.8	297.9	300.4	304.9	312.1	296.9	299.0	308.5
		+14.9	+19.8	+23.6	+15.2	+18.3	+20.8	+25.3	+32.5	+17.3	+19.4	+28.9
고령군	265.9	285.2	284.6	288.6	283.7	286.5	288.7	293.3	299.5	284.9	286.2	296.4
		+19.3	+18.7	+22.7	+17.8	+20.6	+22.8	+27.4	+33.6	+19.0	+20.3	+30.5
구미시	259.8	282.4	280.6	284.4	280.2	284.3	285.3	289.4	296.2	281.5	282.3	292.8
		+22.6	+20.8	+24.6	+20.4	+24.5	+25.5	+29.6	+36.4	+21.7	+22.5	+33.0
군위군	248.5	271.9	268.3	268.7	271.5	274.1	273.5	277.4	283.2	270.1	270.1	280.3
		+23.4	+19.8	+20.2	+23.0	+25.6	+25.0	+28.9	+34.7	+21.6	+21.6	+31.8
김천시	254.3	277.9	274.6	276.3	274.7	279.7	280.5	284.2	290.5	276.2	275.5	287.3
		+23.6	+20.3	+22.0	+20.4	+25.4	+26.2	+29.9	+36.2	+21.9	+21.2	+33.0
문경시	248.1	274.0	269.5	270.0	270.0	273.9	275.3	277.9	283.6	271.7	270.0	280.7
		+25.9	+21.4	+21.9	+21.9	+25.8	+27.2	+29.8	+35.5	+23.6	+21.9	+32.6
봉화군	235.9	258.2	255.5	253.1	257.2	260.0	262.0	265.1	268.4	256.9	255.2	266.8
		+22.3	+19.6	+17.2	+21.3	+24.1	+26.1	+29.2	+32.5	+21.0	+19.3	+30.9
상주시	251.3	276.1	272.3	273.7	272.5	276.9	277.8	280.4	287.6	274.2	273.1	284.0
		+24.8	+21.0	+22.4	+21.2	+25.6	+26.5	+29.1	+36.3	+22.9	+21.8	+32.7
성주군	261.1	282.5	281.2	283.8	280.6	283.9	285.6	289.8	296.3	281.9	282.2	293.1
		+21.4	+20.1	+22.7	+19.5	+22.8	+24.5	+28.7	+35.2	+20.8	+21.1	+32.0
안동시	247.8	272.5	268.6	268.9	271.6	274.1	273.2	277.4	283.2	270.6	270.3	280.3
		+24.7	+20.8	+21.1	+23.8	+26.3	+25.4	+29.6	+35.4	+22.8	+22.5	+32.5
영덕군	278.7	294.9	301.2	302.6	295.4	300.0	301.2	306.6	312.9	298.1	299.0	309.7
		+16.2	+22.5	+23.9	+16.7	+21.3	+22.5	+27.9	+34.2	+19.4	+20.3	+31.0
영양군	237.0	260.7	257.2	256.0	259.9	263.0	263.4	268.2	272.5	258.9	258.0	270.3
		+23.7	+20.2	+19.0	+22.9	+26.0	+26.4	+31.2	+35.5	+21.9	+21.0	+33.3
영주시	247.0	269.5	266.2	265.2	269.2	271.2	271.5	275.4	280.1	267.8	267.2	277.7
		+22.5	+19.2	+18.2	+22.2	+24.2	+24.5	+28.4	+33.1	+20.8	+20.2	+30.7
영천시	262.0	283.4	283.7	287.8	283.1	286.2	287.3	292.0	299.2	283.6	285.4	295.6
		+21.4	+21.7	+25.8	+21.1	+24.2	+25.3	+30.0	+37.2	+21.6	+23.4	+33.6
예천군	248.5	273.4	269.8	269.5	271.2	274.1	275.0	278.0	283.9	271.6	270.3	281.0
		+24.9	+21.3	+21.0	+22.7	+25.6	+26.5	+29.5	+35.4	+23.1	+21.8	+32.5
울릉군	269.6	284.1	291.9	293.1	287.4	294.1	295.8	299.7	307.2	288.0	290.3	303.4
		+14.5	+22.3	+23.5	+17.8	+24.5	+26.2	+30.1	+37.6	+18.4	+20.7	+33.8
울진군	272.9	291.4	297.9	298.7	291.7	298.4	298.9	303.9	308.9	294.7	295.2	306.4
		+18.5	+25.0	+25.8	+18.8	+25.5	+26.0	+31.0	+36.0	+21.8	+22.3	+33.5
의성군	249.4	272.6	269.3	269.5	271.9	274.4	274.2	278.0	284.2	270.9	270.7	281.1
		+23.2	+19.9	+20.1	+22.5	+25.0	+24.8	+28.6	+34.8	+21.5	+21.3	+31.7
청도군	264.0	284.4	284.9	287.4	283.7	286.6	288.1	292.1	298.9	284.6	285.6	295.5
		+20.4	+20.9	+23.4	+19.7	+22.6	+24.1	+28.1	+34.9	+20.6	+21.6	+31.5
청송군	238.8	263.3	260.3	258.5	262.7	266.0	265.4	270.2	274.7	261.8	260.6	272.4
		+24.5	+21.5	+19.7	+23.9	+27.2	+26.6	+31.4	+35.9	+23.0	+21.8	+33.6
칠곡군	263.8	285.3	284.9	288.7	283.2	287.2	289.4	293.1	299.7	285.1	286.0	296.4
		+21.5	+21.1	+24.9	+19.4	+23.4	+25.6	+29.3	+35.9	+21.3	+22.2	+32.6
포항시	289.9	304.3	311.3	312.6	304.4	309.8	310.7	316.2	321.0	307.8	308.5	318.6
		+14.4	+21.4	+22.7	+14.5	+19.9	+20.8	+26.3	+31.1	+17.9	+18.6	+28.7

표 4-66. 경상북도의 식물성장가능기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	260.1	277.5 +17.4	273.2 +13.1	285.1 +25.0	288.8 +28.7	299.9 +39.8	295.6 +35.5	301.7 +41.6	300.7 +40.6	275.3 +15.2	287.0 +26.9	301.2 +41.1
경산시	279.2	293.4 +14.2	286.5 +7.3	303.7 +24.5	305.3 +26.1	315.2 +36.0	307.1 +27.9	318.4 +39.2	314.4 +35.2	289.9 +10.7	304.5 +25.3	316.4 +37.2
경주시	279.6	294.6 +15.0	286.9 +7.3	306.3 +26.7	307.1 +27.5	317.2 +37.6	309.9 +30.3	321.3 +41.7	317.5 +37.9	290.8 +11.2	306.7 +27.1	319.4 +39.8
고령군	265.9	280.2 +14.3	277.3 +11.4	290.4 +24.5	292.2 +26.3	303.5 +37.6	298.9 +33.0	305.9 +40.0	302.5 +36.6	278.8 +12.9	291.3 +25.4	304.2 +38.3
구미시	259.8	276.5 +16.7	275.6 +15.8	286.9 +27.1	289.1 +29.3	300.3 +40.5	295.3 +35.5	302.0 +42.2	299.6 +39.8	276.1 +16.3	288.0 +28.2	300.8 +41.0
군위군	248.5	266.0 +17.5	264.5 +16.0	271.5 +23.0	277.1 +28.6	289.0 +40.5	285.3 +36.8	289.5 +41.0	289.0 +40.5	265.2 +16.7	274.3 +25.8	289.3 +40.8
김천시	254.3	271.7 +17.4	270.0 +15.7	280.5 +26.2	283.0 +28.7	294.7 +40.4	290.5 +36.2	295.1 +40.8	294.3 +40.0	270.8 +16.5	281.7 +27.4	294.7 +40.4
문경시	248.1	266.8 +18.7	265.5 +17.4	272.2 +24.1	276.9 +28.8	289.1 +41.0	285.8 +37.7	289.3 +41.2	289.2 +41.1	266.2 +18.1	274.5 +26.4	289.2 +41.1
봉화군	235.9	254.4 +18.5	249.3 +13.4	257.1 +21.2	263.7 +27.8	274.8 +38.9	273.0 +37.1	274.7 +38.8	277.8 +41.9	251.9 +16.0	260.4 +24.5	276.2 +40.3
상주시	251.3	269.9 +18.6	268.4 +17.1	277.1 +25.8	280.4 +29.1	292.3 +41.0	288.5 +37.2	292.6 +41.3	292.0 +40.7	269.1 +17.8	278.8 +27.5	292.3 +41.0
성주군	261.1	276.9 +15.8	274.6 +13.5	286.6 +25.5	288.8 +27.7	300.4 +39.3	295.8 +34.7	302.1 +41.0	299.4 +38.3	275.8 +14.7	287.7 +26.6	300.8 +39.7
안동시	247.8	266.3 +18.5	263.4 +15.6	270.3 +22.5	277.5 +29.7	289.0 +41.2	285.1 +37.3	288.7 +40.9	288.6 +40.8	264.8 +17.0	273.9 +26.1	288.6 +40.8
영덕군	278.7	296.5 +17.8	286.9 +8.2	306.0 +27.3	307.0 +28.3	318.3 +39.6	312.9 +34.2	322.5 +43.8	319.6 +40.9	291.7 +13.0	306.5 +27.8	321.1 +42.4
영양군	237.0	257.5 +20.5	251.3 +14.3	259.1 +22.1	266.5 +29.5	278.1 +41.1	276.4 +39.4	277.7 +40.7	280.9 +43.9	254.4 +17.4	262.8 +25.8	279.3 +42.3
영주시	247.0	264.8 +17.8	260.9 +13.9	267.3 +20.3	274.6 +27.6	285.3 +38.3	282.4 +35.4	285.1 +38.1	286.9 +39.9	262.8 +15.8	270.9 +23.9	286.0 +39.0
영천시	262.0	280.4 +18.4	275.3 +13.3	289.1 +27.1	291.9 +29.9	303.7 +41.7	297.2 +35.2	305.1 +43.1	303.8 +41.8	277.9 +15.9	290.5 +28.5	304.4 +42.4
예천군	248.5	267.3 +18.8	265.2 +16.7	270.8 +22.3	277.9 +29.4	289.5 +41.0	285.9 +37.4	289.2 +40.7	289.1 +40.6	266.2 +17.7	274.4 +25.9	289.2 +40.7
울릉군	269.6	286.2 +16.6	281.0 +11.4	297.1 +27.5	301.2 +31.6	311.8 +42.2	311.2 +41.6	317.9 +48.3	319.7 +50.1	283.6 +14.0	299.2 +29.6	318.8 +49.2
울진군	272.9	292.2 +19.3	283.9 +11.0	302.2 +29.3	303.9 +31.0	314.3 +41.4	311.3 +38.4	319.1 +46.2	318.3 +45.4	288.1 +15.2	303.1 +30.2	318.7 +45.8
의성군	249.4	266.6 +17.2	265.1 +15.7	271.5 +22.1	278.1 +28.7	289.7 +40.3	285.7 +36.3	289.9 +40.5	289.2 +39.8	265.9 +16.5	274.8 +25.4	289.6 +40.2
청도군	264.0	279.5 +15.5	276.6 +12.6	289.8 +25.8	291.7 +27.7	303.9 +39.9	297.2 +33.2	305.1 +41.1	301.7 +37.7	278.0 +14.0	290.7 +26.7	303.4 +39.4
청송군	238.8	259.9 +21.1	254.2 +15.4	262.1 +23.3	268.5 +29.7	280.6 +41.8	277.9 +39.1	280.4 +41.6	283.0 +44.2	257.0 +18.2	265.3 +26.5	281.7 +42.9
칠곡군	263.8	280.1 +16.3	278.4 +14.6	290.4 +26.6	292.4 +28.6	303.2 +39.4	298.0 +34.2	305.8 +42.0	303.0 +39.2	279.3 +15.5	291.4 +27.6	304.4 +40.6
포항시	289.9	305.8 +15.9	297.5 +7.6	317.2 +27.3	318.0 +28.1	327.1 +37.2	321.4 +31.5	330.9 +41.0	328.5 +38.6	301.7 +11.8	317.6 +27.7	329.7 +39.8

표 4-67. 경상북도의 식물성장가능기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	260.1	274.7	282.3	295.8	302.2	305.9	308.1	314.4	329.4	278.5	299.0	321.9
		+14.6	+22.2	+35.7	+42.1	+45.8	+48.0	+54.3	+69.3	+18.4	+38.9	+61.8
경산시	279.2	290.2	298.4	312.4	319.1	322.7	325.9	327.7	345.1	294.3	315.8	336.4
		+11.0	+19.2	+33.2	+39.9	+43.5	+46.7	+48.5	+65.9	+15.1	+36.6	+57.2
경주시	279.6	291.1	300.0	312.9	321.7	325.3	328.2	330.6	346.9	295.5	317.3	338.8
		+11.5	+20.4	+33.3	+42.1	+45.7	+48.6	+51.0	+67.3	+15.9	+37.7	+59.2
고령군	265.9	277.6	286.3	301.6	308.0	311.9	314.5	317.7	335.1	282.0	304.8	326.4
		+11.7	+20.4	+35.7	+42.1	+46.0	+48.6	+51.8	+69.2	+16.1	+38.9	+60.5
구미시	259.8	275.4	282.8	298.4	304.3	307.3	308.0	313.3	332.0	279.1	301.3	322.6
		+15.6	+23.0	+38.6	+44.5	+47.5	+48.2	+53.5	+72.2	+19.3	+41.5	+62.8
군위군	248.5	263.5	269.5	283.7	288.3	292.2	294.0	301.5	316.3	266.5	286.0	308.9
		+15.0	+21.0	+35.2	+39.8	+43.7	+45.5	+53.0	+67.8	+18.0	+37.5	+60.4
김천시	254.3	270.0	276.9	291.6	298.6	300.7	300.3	308.3	326.0	273.4	295.1	317.2
		+15.7	+22.6	+37.3	+44.3	+46.4	+46.0	+54.0	+71.7	+19.1	+40.8	+62.9
문경시	248.1	265.0	270.1	283.7	290.1	294.3	294.3	302.6	318.8	267.5	286.9	310.7
		+16.9	+22.0	+35.6	+42.0	+46.2	+46.2	+54.5	+70.7	+19.4	+38.8	+62.6
봉화군	235.9	252.5	257.8	267.7	271.9	277.5	282.6	292.5	303.1	255.1	269.8	297.8
		+16.6	+21.9	+31.8	+36.0	+41.6	+46.7	+56.6	+67.2	+19.2	+33.9	+61.9
상주시	251.3	268.2	273.8	287.5	294.2	298.1	297.8	305.8	322.8	271.0	290.9	314.3
		+16.9	+22.5	+36.2	+42.9	+46.8	+46.5	+54.5	+71.5	+19.7	+39.6	+63.0
성주군	261.1	274.7	282.6	298.3	304.3	307.3	309.1	314.3	332.3	278.6	301.3	323.3
		+13.6	+21.5	+37.2	+43.2	+46.2	+48.0	+53.2	+71.2	+17.5	+40.2	+62.2
안동시	247.8	264.4	269.9	283.6	289.8	293.8	294.6	302.3	316.5	267.1	286.7	309.4
		+16.6	+22.1	+35.8	+42.0	+46.0	+46.8	+54.5	+68.7	+19.3	+38.9	+61.6
영덕군	278.7	292.2	301.0	314.9	322.9	326.3	329.2	333.0	347.6	296.6	318.9	340.3
		+13.5	+22.3	+36.2	+44.2	+47.6	+50.5	+54.3	+68.9	+17.9	+40.2	+61.6
영양군	237.0	254.2	260.7	272.2	276.7	281.0	284.4	295.3	306.8	257.5	274.5	301.0
		+17.2	+23.7	+35.2	+39.7	+44.0	+47.4	+58.3	+69.8	+20.5	+37.5	+64.0
영주시	247.0	261.5	267.6	280.4	286.5	290.8	290.7	299.6	313.6	264.5	283.4	306.6
		+14.5	+20.6	+33.4	+39.5	+43.8	+43.7	+52.6	+66.6	+17.5	+36.4	+59.6
영천시	262.0	278.9	285.0	300.6	307.3	311.0	313.4	316.6	334.9	281.9	304.0	325.7
		+16.9	+23.0	+38.6	+45.3	+49.0	+51.4	+54.6	+72.9	+19.9	+42.0	+63.7
예천군	248.5	265.1	270.6	284.1	291.0	295.0	295.0	302.4	317.9	267.9	287.6	310.2
		+16.6	+22.1	+35.6	+42.5	+46.5	+46.5	+53.9	+69.4	+19.4	+39.1	+61.7
울릉군	269.6	281.1	297.0	306.6	316.2	323.1	328.7	337.4	349.7	289.1	311.4	343.6
		+11.5	+27.4	+37.0	+46.6	+53.5	+59.1	+67.8	+80.1	+19.5	+41.8	+74.0
울진군	272.9	286.2	299.0	311.2	318.5	323.5	326.5	332.3	344.9	292.6	314.9	338.6
		+13.3	+26.1	+38.3	+45.6	+50.6	+53.6	+59.4	+72.0	+19.7	+42.0	+65.7
의성군	249.4	264.4	270.5	284.3	289.6	294.2	294.4	302.1	317.0	267.5	287.0	309.5
		+15.0	+21.1	+34.9	+40.2	+44.8	+45.0	+52.7	+67.6	+18.1	+37.6	+60.1
청도군	264.0	277.9	285.0	300.6	308.1	310.9	313.0	316.4	333.7	281.5	304.4	325.0
		+13.9	+21.0	+36.6	+44.1	+46.9	+49.0	+52.4	+69.7	+17.5	+40.4	+61.0
청송군	238.8	256.1	261.5	274.1	277.6	281.5	286.2	295.2	306.6	258.8	275.9	300.9
		+17.3	+22.7	+35.3	+38.8	+42.7	+47.4	+56.4	+67.8	+20.0	+37.1	+62.1
칠곡군	263.8	278.6	286.4	302.6	308.1	311.2	313.2	316.9	335.6	282.5	305.4	326.2
		+14.8	+22.6	+38.8	+44.3	+47.4	+49.4	+53.1	+71.8	+18.7	+41.6	+62.4
포항시	289.9	301.4	311.4	322.9	330.3	330.9	335.0	341.1	351.4	306.4	326.6	346.2
		+11.5	+21.5	+33.0	+40.4	+41.0	+45.1	+51.2	+61.5	+16.5	+36.7	+56.3

표 4-68. 경상북도의 식물성장가능기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	260.1	279.8 +19.7	284.0 +23.9	294.4 +34.3	295.8 +35.7	311.3 +51.2	315.9 +55.8	322.5 +62.4	330.3 +70.2	281.9 +21.8	295.1 +35.0	326.4 +66.3
경산시	279.2	297.6 +18.4	305.4 +26.2	308.1 +28.9	311.4 +32.2	329.0 +49.8	330.7 +51.5	338.4 +59.2	345.5 +66.3	301.5 +22.3	309.7 +30.5	341.9 +62.7
경주시	279.6	298.6 +19.0	306.0 +26.4	310.4 +30.8	314.6 +35.0	331.7 +52.1	331.7 +52.1	340.3 +60.7	348.1 +68.5	302.3 +22.7	312.5 +32.9	344.2 +64.6
고령군	265.9	284.9 +19.0	287.5 +21.6	298.1 +32.2	297.3 +31.4	316.6 +50.7	318.2 +52.3	330.6 +64.7	336.1 +70.2	286.2 +20.3	297.7 +31.8	333.4 +67.5
구미시	259.8	280.7 +20.9	284.4 +24.6	295.2 +35.4	293.6 +33.8	310.6 +50.8	316.2 +56.4	324.4 +64.6	332.8 +73.0	282.5 +22.7	294.4 +34.6	328.6 +68.8
군위군	248.5	267.5 +19.0	268.4 +19.9	282.0 +33.5	283.4 +34.9	296.5 +48.0	305.1 +56.6	306.0 +57.5	315.8 +67.3	267.9 +19.4	282.7 +34.2	310.9 +62.4
김천시	254.3	274.3 +20.0	277.9 +23.6	290.9 +36.6	287.6 +33.3	304.6 +50.3	309.4 +55.1	317.8 +63.5	326.5 +72.2	276.1 +21.8	289.3 +35.0	322.2 +67.9
문경시	248.1	268.0 +19.9	271.0 +22.9	284.2 +36.1	283.2 +35.1	297.8 +49.7	304.7 +56.6	308.8 +60.7	319.2 +71.1	269.5 +21.4	283.7 +35.6	314.0 +65.9
봉화군	235.9	254.7 +18.8	254.5 +18.6	267.6 +31.7	275.3 +39.4	283.3 +47.4	292.6 +56.7	295.0 +59.1	305.1 +69.2	254.6 +18.7	271.4 +35.5	300.1 +64.2
상주시	251.3	271.9 +20.6	274.9 +23.6	288.1 +36.8	286.0 +34.7	300.7 +49.4	307.8 +56.5	313.4 +62.1	323.6 +72.3	273.4 +22.1	287.0 +35.7	318.5 +67.2
성주군	261.1	280.5 +19.4	283.9 +22.8	295.3 +34.2	293.6 +32.5	312.4 +51.3	314.9 +53.8	325.6 +64.5	333.1 +72.0	282.2 +21.1	294.5 +33.4	329.4 +68.3
안동시	247.8	268.1 +20.3	269.3 +21.5	282.7 +34.9	283.3 +35.5	297.4 +49.6	306.0 +58.2	308.1 +60.3	316.5 +68.7	268.7 +20.9	283.0 +35.2	312.3 +64.5
영덕군	278.7	298.1 +19.4	306.9 +28.2	314.2 +35.5	317.2 +38.5	334.0 +55.3	333.9 +55.2	341.5 +62.8	349.1 +70.4	302.5 +23.8	315.7 +37.0	345.3 +66.6
영양군	237.0	257.0 +20.0	256.9 +19.9	271.8 +34.8	277.0 +40.0	286.9 +49.9	295.6 +58.6	298.5 +61.5	307.8 +70.8	256.9 +19.9	274.4 +37.4	303.2 +66.2
영주시	247.0	264.7 +17.7	266.6 +19.6	279.1 +32.1	280.6 +33.6	294.8 +47.8	302.4 +55.4	305.0 +58.0	312.3 +65.3	265.6 +18.6	279.9 +32.9	308.6 +61.6
영천시	262.0	284.2 +22.2	288.8 +26.8	296.7 +34.7	297.2 +35.2	315.0 +53.0	319.7 +57.7	328.5 +66.5	334.3 +72.3	286.5 +24.5	296.9 +34.9	331.4 +69.4
예천군	248.5	268.1 +19.6	270.6 +22.1	283.8 +35.3	283.3 +34.8	298.3 +49.8	305.5 +57.0	308.5 +60.0	317.5 +69.0	269.4 +20.9	283.5 +35.0	313.0 +64.5
울릉군	269.6	288.8 +19.2	295.6 +26.0	309.3 +39.7	309.5 +39.9	332.1 +62.5	337.3 +67.7	350.0 +80.4	354.4 +84.8	292.2 +22.6	309.4 +39.8	352.2 +82.6
울진군	272.9	294.2 +21.3	303.4 +30.5	310.5 +37.6	314.6 +41.7	330.7 +57.8	332.7 +59.8	341.4 +68.5	347.3 +74.4	298.8 +25.9	312.5 +39.6	344.3 +71.4
의성군	249.4	268.3 +18.9	269.9 +20.5	283.4 +34.0	283.5 +34.1	297.2 +47.8	305.5 +56.1	307.4 +58.0	316.3 +66.9	269.1 +19.7	283.5 +34.1	311.8 +62.4
청도군	264.0	285.0 +21.0	286.8 +22.8	296.7 +32.7	296.9 +32.9	315.4 +51.4	317.8 +53.8	328.3 +64.3	334.2 +70.2	285.9 +21.9	296.8 +32.8	331.2 +67.2
청송군	238.8	259.8 +21.0	258.3 +19.5	273.7 +34.9	278.0 +39.2	288.0 +49.2	296.8 +58.0	298.8 +60.0	308.7 +69.9	259.1 +20.3	275.8 +37.0	303.7 +64.9
칠곡군	263.8	284.8 +21.0	288.8 +25.0	298.1 +34.3	297.7 +33.9	315.5 +51.7	319.2 +55.4	329.1 +65.3	336.4 +72.6	286.8 +23.0	297.9 +34.1	332.7 +68.9
포항시	289.9	307.7 +17.8	320.0 +30.1	322.4 +32.5	327.5 +37.6	341.5 +51.6	339.2 +49.3	346.9 +57.0	353.6 +63.7	313.9 +24.0	324.9 +35.0	350.3 +60.4

2) 저온 극한기후지수

겨울철 최고기온 관련 지수

- SSP 시나리오에 따른 경상북도 결빙일수는 현재(2000-2019년, 8.4일) 대비 21세기 중반기에 -4.4~0.3일, 21세기 후반기에 -8.0~-2.5일 변화하고, 일최고기온 연최소는 현재(-4.1℃) 대비 21세기 중반기에 0.1~2.1℃, 21세기 후반기에 0.8~6.2℃ 증가할 것으로 전망됨.
 - SSP1-2.6 시나리오에서 경상북도 결빙일수는 현재 대비 21세기 중/후반기에 0.3일, -2.5일 변화하고, 일최고기온 연최소는 21세기 중/후반기에 0.1℃, 0.8℃ 증가할 것으로 전망됨.
 - SSP2-4.5 시나리오에서 경상북도 결빙일수는 현재 대비 21세기 중/후반기에 3.0일, 6.2일 감소하고, 일최고기온 연최소는 21세기 중/후반기에 1.1℃, 3.4℃ 증가할 것으로 전망됨.
 - SSP3-7.0 시나리오에서 경상북도 결빙일수는 현재 대비 21세기 중/후반기에 4.4일, 7.7일 감소하고, 일최고기온 연최소는 21세기 중/후반기에 2.1℃, 5.2℃ 증가할 것으로 전망됨.
 - SSP5-8.5 시나리오에서 경상북도 결빙일수는 현재 대비 21세기 중/후반기에 3.8일, 8.0일 감소하고, 일최고기온 연최소는 21세기 중/후반기에 1.5℃, 6.2℃ 증가할 것으로 전망됨.
- SSP5-8.5 시나리오에서 현재 대비 21세기 후반기 경상북도 결빙일수 감소폭(-8.0일)은 SSP1-2.6 시나리오에서의 감소폭(-2.5일) 보다 5.5일 크게 나타나며, SSP5-8.5 시나리오에서 21세기 후반기 일최고기온 연최소 증가폭(+6.2℃)은 SSP1-2.6 시나리오에서의 증가폭(+0.8℃) 보다 5.4℃ 크게 나타남.
 - SSP5-8.5에서 21세기 후반기 경상북도 내 결빙일수 감소폭이 가장 큰 지역은 봉화군(-14.8일)이며 가장 작은 지역은 포항시(-3.0일)로 나타남.
 - SSP5-8.5에서 21세기 후반기 경상북도 내 일최고기온 연최소 증가폭이 가장 큰 지역은 울릉군(+7.1℃)이며 가장 작은 지역은 포항시(+5.8℃)로 나타남.

겨울철 최저기온 관련 지수

- SSP 시나리오에 따른 경상북도 한파일수는 현재(2000-2019년, 6.8일) 대비 21세기 중반기에 -3.5~0.7일, 21세기 후반기에 -6.6~-2.1일 변화하고, 일최저기온 연최소는 현재(-13.9℃) 대비 21세기 중반기에 -0.4~1.8℃, 21세기 후반기에 0.8~6.1℃ 변화할 것으로 전망됨.
 - SSP1-2.6 시나리오에서 경상북도 한파일수는 현재 대비 21세기 중/후반기에 0.7일, -2.1일 변화하고, 일최저기온 연최소는 21세기 중/후반기에 -0.4℃, 0.8℃ 변화할 것으로 전망됨.
 - SSP2-4.5 시나리오에서 경상북도 한파일수는 현재 대비 21세기 중/후반기에 1.9일, 5.1일 감소하고, 일최저기온 연최소는 21세기 중/후반기에 0.7℃, 3.1℃ 증가할 것으로 전망됨.
 - SSP3-7.0 시나리오에서 경상북도 한파일수는 현재 대비 21세기 중/후반기에 3.5일, 6.4일 감소하고, 일최저기온 연최소는 21세기 중/후반기에 1.8℃, 5.1℃ 증가할 것으로 전망됨.
 - SSP5-8.5 시나리오에서 경상북도 한파일수는 현재 대비 21세기 중/후반기에 3.2일, 6.6일 감소하고, 일최저기온 연최소는 21세기 중/후반기에 1.4℃, 6.1℃ 증가할 것으로 전망됨.

- SSP5-8.5 시나리오에서 현재 대비 21세기 후반기 경상북도 한파일수 감소폭(-6.6일)은 SSP1-2.6 시나리오에서의 감소폭(-2.1일) 보다 4.5일 크게 나타나며, SSP5-8.5 시나리오에서 21세기 후반기 일최저기온 연최소 증가폭(+6.1°C)은 SSP1-2.6 시나리오에서의 증가폭(+0.8°C) 보다 5.3°C 크게 나타남.
 - SSP5-8.5에서 21세기 후반기 경상북도 내 한파일수 감소폭이 가장 큰 지역은 봉화군(-20.4일)이며 가장 작은 지역은 울릉군(-0.1일)으로 나타남.
 - SSP5-8.5에서 21세기 후반기 경상북도 내 일최저기온 연최소 증가폭이 가장 큰 지역은 울릉군(+7.4°C)이며 가장 작은 지역은 경주시(+4.9°C)로 나타남.



그림 4-27. 경상북도의 한파일수(일) 전망 분포도

표 4-69. 경상북도의 한파일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	6.8	8.3	6.0	7.5	7.6	6.1	5.4	5.1	4.4	7.2	7.5	4.7
		+1.5	-0.8	+0.7	+0.8	-0.7	-1.4	-1.7	-2.4	+0.4	+0.7	-2.1
경산시	1.1	2.4	1.5	2.2	2.3	1.6	1.2	0.7	0.8	1.9	2.3	0.8
		+1.3	+0.4	+1.1	+1.2	+0.5	+0.1	-0.4	-0.3	+0.8	+1.2	-0.3
경주시	1.0	2.5	1.6	2.1	2.2	1.8	1.2	0.9	0.9	2.0	2.2	0.9
		+1.5	+0.6	+1.1	+1.2	+0.8	+0.2	-0.1	-0.1	+1.0	+1.2	-0.1
고령군	3.1	5.1	3.4	4.5	3.9	3.2	2.8	1.9	1.9	4.2	4.2	1.9
		+2.0	+0.3	+1.4	+0.8	+0.1	-0.3	-1.2	-1.2	+1.1	+1.1	-1.2
구미시	3.4	5.6	3.9	5.3	4.9	3.7	3.3	2.5	2.2	4.7	5.1	2.4
		+2.2	+0.5	+1.9	+1.5	+0.3	-0.1	-0.9	-1.2	+1.3	+1.7	-1.0
군위군	11.6	13.2	9.4	11.8	11.7	9.3	8.4	8.1	6.9	11.3	11.8	7.5
		+1.6	-2.2	+0.2	+0.1	-2.3	-3.2	-3.5	-4.7	-0.3	+0.2	-4.1
김천시	5.0	7.0	5.1	6.9	6.2	4.8	4.4	3.5	3.0	6.0	6.5	3.2
		+2.0	+0.1	+1.9	+1.2	-0.2	-0.6	-1.5	-2.0	+1.0	+1.5	-1.8
문경시	8.1	10.6	7.5	9.4	9.8	7.5	6.7	6.4	5.2	9.0	9.6	5.8
		+2.5	-0.6	+1.3	+1.7	-0.6	-1.4	-1.7	-2.9	+0.9	+1.5	-2.3
봉화군	21.9	20.9	16.5	18.6	20.2	16.4	15.5	16.1	13.2	18.7	19.4	14.7
		-1.0	-5.4	-3.3	-1.7	-5.5	-6.4	-5.8	-8.7	-3.2	-2.5	-7.2
상주시	6.3	8.0	5.5	7.2	7.2	5.4	4.8	4.1	3.5	6.8	7.2	3.8
		+1.7	-0.8	+0.9	+0.9	-0.9	-1.5	-2.2	-2.8	+0.5	+0.9	-2.5
성주군	3.7	6.0	4.4	5.8	5.1	4.0	3.7	2.8	2.5	5.2	5.5	2.6
		+2.3	+0.7	+2.1	+1.4	+0.3	+0.0	-0.9	-1.2	+1.5	+1.8	-1.1
안동시	11.9	14.1	10.1	12.5	13.2	10.5	9.5	9.3	7.8	12.1	12.8	8.5
		+2.2	-1.8	+0.6	+1.3	-1.4	-2.4	-2.6	-4.1	+0.2	+0.9	-3.4
영덕군	1.3	2.8	1.9	2.4	2.8	2.2	1.4	1.3	1.3	2.3	2.6	1.3
		+1.5	+0.6	+1.1	+1.5	+0.9	+0.1	+0.0	+0.0	+1.0	+1.3	+0.0
영양군	18.1	18.1	14.1	16.1	17.3	14.1	13.1	13.3	11.1	16.1	16.7	12.2
		+0.0	-4.0	-2.0	-0.8	-4.0	-5.0	-4.8	-7.0	-2.0	-1.4	-5.9
영주시	14.8	16.6	12.4	14.6	15.6	12.6	11.6	11.8	9.7	14.5	15.1	10.8
		+1.8	-2.4	-0.2	+0.8	-2.2	-3.2	-3.0	-5.1	-0.3	+0.3	-4.0
영천시	3.2	5.7	4.0	5.2	5.2	4.1	3.5	2.7	2.7	4.9	5.2	2.7
		+2.5	+0.8	+2.0	+2.0	+0.9	+0.3	-0.5	-0.5	+1.7	+2.0	-0.5
예천군	9.3	12.2	8.7	10.9	11.4	9.0	8.0	7.7	6.4	10.5	11.1	7.0
		+2.9	-0.6	+1.6	+2.1	-0.3	-1.3	-1.6	-2.9	+1.2	+1.8	-2.3
울릉군	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		+0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
울진군	2.1	3.1	2.1	2.7	2.9	2.4	1.6	1.6	1.6	2.6	2.8	1.6
		+1.0	+0.0	+0.6	+0.8	+0.3	-0.5	-0.5	-0.5	+0.5	+0.7	-0.5
의성군	12.2	13.6	9.8	12.2	12.5	9.8	8.9	8.7	7.3	11.7	12.4	8.0
		+1.4	-2.4	+0.0	+0.3	-2.4	-3.3	-3.5	-4.9	-0.5	+0.2	-4.2
청도군	3.7	5.9	3.8	5.2	4.8	3.8	3.4	2.5	2.5	4.9	5.0	2.5
		+2.2	+0.1	+1.5	+1.1	+0.1	-0.3	-1.2	-1.2	+1.2	+1.3	-1.2
청송군	17.2	18.4	13.9	16.4	17.1	13.7	12.7	13.1	11.0	16.1	16.7	12.0
		+1.2	-3.3	-0.8	-0.1	-3.5	-4.5	-4.1	-6.2	-1.1	-0.5	-5.2
칠곡군	2.4	4.4	3.1	4.2	3.8	2.9	2.6	1.7	1.7	3.8	4.0	1.7
		+2.0	+0.7	+1.8	+1.4	+0.5	+0.2	-0.7	-0.7	+1.4	+1.6	-0.7
포항시	0.8	1.4	1.0	1.3	1.5	1.1	0.7	0.6	0.6	1.2	1.4	0.6
		+0.6	+0.2	+0.5	+0.7	+0.3	-0.1	-0.2	-0.2	+0.4	+0.6	-0.2

표 4-70. 경상북도의 한파일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	6.8	8.3	9.4	5.0	4.8	2.9	3.6	1.6	1.8	8.9	4.9	1.7
		+1.5	+2.6	-1.8	-2.0	-3.9	-3.2	-5.2	-5.0	+2.1	-1.9	-5.1
경산시	1.1	2.5	2.7	0.9	0.9	0.5	0.3	0.2	0.1	2.6	0.9	0.1
		+1.4	+1.6	-0.2	-0.2	-0.6	-0.8	-0.9	-1.0	+1.5	-0.2	-1.0
경주시	1.0	2.4	3.0	1.0	1.0	0.5	0.4	0.2	0.1	2.7	1.0	0.2
		+1.4	+2.0	+0.0	+0.0	-0.5	-0.6	-0.8	-0.9	+1.7	+0.0	-0.8
고령군	3.1	5.1	5.5	2.1	2.1	1.0	1.0	0.4	0.3	5.3	2.1	0.3
		+2.0	+2.4	-1.0	-1.0	-2.1	-2.1	-2.7	-2.8	+2.2	-1.0	-2.8
구미시	3.4	6.2	6.5	2.8	2.7	1.3	1.3	0.5	0.4	6.3	2.7	0.5
		+2.8	+3.1	-0.6	-0.7	-2.1	-2.1	-2.9	-3.0	+2.9	-0.7	-2.9
군위군	11.6	13.4	14.9	8.2	7.7	4.7	5.5	2.3	2.7	14.1	8.0	2.5
		+1.8	+3.3	-3.4	-3.9	-6.9	-6.1	-9.3	-8.9	+2.5	-3.6	-9.1
김천시	5.0	7.6	8.2	3.9	3.6	1.8	2.1	0.8	0.7	7.9	3.7	0.8
		+2.6	+3.2	-1.1	-1.4	-3.2	-2.9	-4.2	-4.3	+2.9	-1.3	-4.2
문경시	8.1	10.9	12.0	6.4	6.1	3.3	4.0	1.7	1.8	11.5	6.2	1.7
		+2.8	+3.9	-1.7	-2.0	-4.8	-4.1	-6.4	-6.3	+3.4	-1.9	-6.4
봉화군	21.9	20.1	23.9	14.6	14.1	10.0	12.8	6.4	7.7	22.0	14.3	7.0
		-1.8	+2.0	-7.3	-7.8	-11.9	-9.1	-15.5	-14.2	+0.1	-7.6	-14.9
상주시	6.3	8.5	9.2	4.5	4.2	2.1	2.5	1.0	1.0	8.8	4.4	1.0
		+2.2	+2.9	-1.8	-2.1	-4.2	-3.8	-5.3	-5.3	+2.5	-1.9	-5.3
성주군	3.7	6.6	6.8	3.0	2.9	1.4	1.5	0.6	0.4	6.7	3.0	0.5
		+2.9	+3.1	-0.7	-0.8	-2.3	-2.2	-3.1	-3.3	+3.0	-0.7	-3.2
안동시	11.9	13.9	15.8	9.1	8.7	5.3	6.6	2.9	3.4	14.8	8.9	3.2
		+2.0	+3.9	-2.8	-3.2	-6.6	-5.3	-9.0	-8.5	+2.9	-3.0	-8.7
영덕군	1.3	2.9	3.3	1.3	1.5	0.8	0.8	0.3	0.3	3.1	1.4	0.3
		+1.6	+2.0	+0.0	+0.2	-0.5	-0.5	-1.0	-1.0	+1.8	+0.1	-1.0
영양군	18.1	17.5	20.9	12.2	11.8	8.4	10.4	4.6	5.9	19.2	12.0	5.3
		-0.6	+2.8	-5.9	-6.3	-9.7	-7.7	-13.5	-12.2	+1.1	-6.1	-12.8
영주시	14.8	15.7	18.5	11.1	10.5	6.7	9.0	3.9	4.9	17.1	10.8	4.4
		+0.9	+3.7	-3.7	-4.3	-8.1	-5.8	-10.9	-9.9	+2.3	-4.0	-10.4
영천시	3.2	6.3	6.8	2.9	3.0	1.6	1.7	0.7	0.7	6.5	2.9	0.7
		+3.1	+3.6	-0.3	-0.2	-1.6	-1.5	-2.5	-2.5	+3.3	-0.3	-2.5
예천군	9.3	12.2	13.7	7.7	7.3	4.0	5.1	2.1	2.4	13.0	7.5	2.3
		+2.9	+4.4	-1.6	-2.0	-5.3	-4.2	-7.2	-6.9	+3.7	-1.8	-7.0
울릉군	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
울진군	2.1	3.1	3.5	1.4	1.7	1.0	1.1	0.4	0.4	3.3	1.5	0.4
		+1.0	+1.4	-0.7	-0.4	-1.1	-1.0	-1.7	-1.7	+1.2	-0.6	-1.7
의성군	12.2	13.8	15.4	8.9	8.2	4.9	5.9	2.6	3.0	14.6	8.5	2.8
		+1.6	+3.2	-3.3	-4.0	-7.3	-6.3	-9.6	-9.2	+2.4	-3.7	-9.4
청도군	3.7	6.1	6.6	2.8	2.7	1.4	1.5	0.6	0.5	6.4	2.7	0.5
		+2.4	+2.9	-0.9	-1.0	-2.3	-2.2	-3.1	-3.2	+2.7	-1.0	-3.2
청송군	17.2	17.9	20.7	12.6	11.7	8.1	10.2	4.5	5.7	19.3	12.1	5.1
		+0.7	+3.5	-4.6	-5.5	-9.1	-7.0	-12.7	-11.5	+2.1	-5.1	-12.1
칠곡군	2.4	5.0	5.1	1.9	2.0	0.9	0.8	0.3	0.2	5.0	2.0	0.3
		+2.6	+2.7	-0.5	-0.4	-1.5	-1.6	-2.1	-2.2	+2.6	-0.4	-2.1
포항시	0.8	1.3	1.5	0.6	0.6	0.4	0.3	0.1	0.1	1.4	0.6	0.1
		+0.5	+0.7	-0.2	-0.2	-0.4	-0.5	-0.7	-0.7	+0.6	-0.2	-0.7

표 4-71. 경상북도의 한파일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	6.8	7.2	5.8	4.1	2.5	1.8	1.8	0.6	0.3	6.5	3.3	0.4
		+0.4	-1.0	-2.7	-4.3	-5.0	-5.0	-6.2	-6.5	-0.3	-3.5	-6.4
경산시	1.1	1.4	1.2	0.7	0.2	0.1	0.1	0.0	0.0	1.3	0.4	0.0
		+0.3	+0.1	-0.4	-0.9	-1.0	-1.0	-1.1	-1.1	+0.2	-0.7	-1.1
경주시	1.0	1.6	1.4	0.8	0.3	0.1	0.1	0.0	0.0	1.5	0.6	0.0
		+0.6	+0.4	-0.2	-0.7	-0.9	-0.9	-1.0	-1.0	+0.5	-0.4	-1.0
고령군	3.1	3.7	2.7	1.7	0.6	0.3	0.3	0.1	0.0	3.2	1.1	0.0
		+0.6	-0.4	-1.4	-2.5	-2.8	-2.8	-3.0	-3.1	+0.1	-2.0	-3.1
구미시	3.4	4.3	3.4	2.2	0.9	0.4	0.5	0.1	0.0	3.8	1.5	0.1
		+0.9	+0.0	-1.2	-2.5	-3.0	-2.9	-3.3	-3.4	+0.4	-1.9	-3.3
군위군	11.6	11.6	9.4	6.7	3.9	2.4	2.7	0.7	0.2	10.5	5.3	0.5
		+0.0	-2.2	-4.9	-7.7	-9.2	-8.9	-10.9	-11.4	-1.1	-6.3	-11.1
김천시	5.0	6.1	4.7	3.1	1.5	0.6	0.8	0.1	0.0	5.4	2.3	0.1
		+1.1	-0.3	-1.9	-3.5	-4.4	-4.2	-4.9	-5.0	+0.4	-2.7	-4.9
문경시	8.1	9.4	7.6	5.3	2.9	1.8	1.8	0.4	0.1	8.5	4.1	0.3
		+1.3	-0.5	-2.8	-5.2	-6.3	-6.3	-7.7	-8.0	+0.4	-4.0	-7.8
봉화군	21.9	19.6	16.2	12.4	9.6	8.3	7.4	3.7	2.0	17.9	11.0	2.9
		-2.3	-5.7	-9.5	-12.3	-13.6	-14.5	-18.2	-19.9	-4.0	-10.9	-19.0
상주시	6.3	6.8	5.4	3.5	1.8	0.9	1.1	0.2	0.0	6.1	2.6	0.1
		+0.5	-0.9	-2.8	-4.5	-5.4	-5.2	-6.1	-6.3	-0.2	-3.7	-6.2
성주군	3.7	5.0	3.6	2.4	1.1	0.5	0.5	0.1	0.0	4.3	1.7	0.1
		+1.3	-0.1	-1.3	-2.6	-3.2	-3.2	-3.6	-3.7	+0.6	-2.0	-3.6
안동시	11.9	12.5	10.4	7.6	4.8	3.5	3.4	1.1	0.4	11.4	6.2	0.7
		+0.6	-1.5	-4.3	-7.1	-8.4	-8.5	-10.8	-11.5	-0.5	-5.7	-11.2
영덕군	1.3	2.1	1.7	1.1	0.5	0.2	0.3	0.1	0.0	1.9	0.8	0.1
		+0.8	+0.4	-0.2	-0.8	-1.1	-1.0	-1.2	-1.3	+0.6	-0.5	-1.2
영양군	18.1	16.7	13.7	10.5	7.5	6.1	5.7	2.2	1.1	15.2	9.0	1.6
		-1.4	-4.4	-7.6	-10.6	-12.0	-12.4	-15.9	-17.0	-2.9	-9.1	-16.5
영주시	14.8	14.9	12.7	9.2	6.4	5.3	4.8	1.8	0.8	13.8	7.8	1.3
		+0.1	-2.1	-5.6	-8.4	-9.5	-10.0	-13.0	-14.0	-1.0	-7.0	-13.5
영천시	3.2	4.5	3.5	2.6	1.2	0.7	0.7	0.2	0.1	4.0	1.9	0.1
		+1.3	+0.3	-0.6	-2.0	-2.5	-2.5	-3.0	-3.1	+0.8	-1.3	-3.1
예천군	9.3	10.9	9.0	6.2	3.6	2.4	2.5	0.6	0.1	9.9	4.9	0.4
		+1.6	-0.3	-3.1	-5.7	-6.9	-6.8	-8.7	-9.2	+0.6	-4.4	-8.9
울릉군	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
울진군	2.1	2.5	2.0	1.2	0.7	0.4	0.4	0.1	0.1	2.3	1.0	0.1
		+0.4	-0.1	-0.9	-1.4	-1.7	-1.7	-2.0	-2.0	+0.2	-1.1	-2.0
의성군	12.2	12.0	10.0	7.1	4.2	2.7	3.0	0.8	0.2	11.0	5.7	0.5
		-0.2	-2.2	-5.1	-8.0	-9.5	-9.2	-11.4	-12.0	-1.2	-6.5	-11.7
청도군	3.7	4.5	3.4	2.2	0.9	0.5	0.6	0.1	0.0	3.9	1.5	0.1
		+0.8	-0.3	-1.5	-2.8	-3.2	-3.1	-3.6	-3.7	+0.2	-2.2	-3.6
청송군	17.2	16.6	13.9	10.7	7.4	5.7	5.6	2.0	0.9	15.2	9.0	1.4
		-0.6	-3.3	-6.5	-9.8	-11.5	-11.6	-15.2	-16.3	-2.0	-8.2	-15.8
칠곡군	2.4	3.1	2.5	1.6	0.5	0.2	0.3	0.1	0.0	2.8	1.1	0.0
		+0.7	+0.1	-0.8	-1.9	-2.2	-2.1	-2.3	-2.4	+0.4	-1.3	-2.4
포항시	0.8	1.1	0.9	0.5	0.3	0.1	0.2	0.0	0.0	1.0	0.4	0.0
		+0.3	+0.1	-0.3	-0.5	-0.7	-0.6	-0.8	-0.8	+0.2	-0.4	-0.8

표 4-72. 경상북도의 한파일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	6.8	6.1	4.6	3.9	3.2	1.1	1.0	0.2	0.1	5.4	3.6	0.2
		-0.7	-2.2	-2.9	-3.6	-5.7	-5.8	-6.6	-6.7	-1.4	-3.2	-6.6
경산시	1.1	1.2	1.2	0.6	0.4	0.0	0.0	0.0	0.0	1.2	0.5	0.0
		+0.1	+0.1	-0.5	-0.7	-1.1	-1.1	-1.1	-1.1	+0.1	-0.6	-1.1
경주시	1.0	1.3	1.3	0.8	0.6	0.1	0.1	0.0	0.0	1.3	0.7	0.0
		+0.3	+0.3	-0.2	-0.4	-0.9	-0.9	-1.0	-1.0	+0.3	-0.3	-1.0
고령군	3.1	2.8	2.3	1.7	1.2	0.2	0.1	0.0	0.0	2.6	1.5	0.0
		-0.3	-0.8	-1.4	-1.9	-2.9	-3.0	-3.1	-3.1	-0.5	-1.6	-3.1
구미시	3.4	3.6	2.9	2.0	1.5	0.2	0.2	0.0	0.0	3.2	1.7	0.0
		+0.2	-0.5	-1.4	-1.9	-3.2	-3.2	-3.4	-3.4	-0.2	-1.7	-3.4
군위군	11.6	10.2	7.6	6.3	5.1	1.6	1.3	0.2	0.1	8.9	5.7	0.2
		-1.4	-4.0	-5.3	-6.5	-10.0	-10.3	-11.4	-11.5	-2.7	-5.9	-11.4
김천시	5.0	5.2	3.8	2.8	2.2	0.4	0.2	0.1	0.0	4.5	2.5	0.0
		+0.2	-1.2	-2.2	-2.8	-4.6	-4.8	-4.9	-5.0	-0.5	-2.5	-5.0
문경시	8.1	8.0	5.9	4.7	3.7	1.0	0.8	0.1	0.0	6.9	4.2	0.1
		-0.1	-2.2	-3.4	-4.4	-7.1	-7.3	-8.0	-8.1	-1.2	-3.9	-8.0
봉화군	21.9	17.4	12.8	12.0	10.2	5.2	5.2	1.9	1.1	15.1	11.1	1.5
		-4.5	-9.1	-9.9	-11.7	-16.7	-16.7	-20.0	-20.8	-6.8	-10.8	-20.4
상주시	6.3	5.8	4.3	3.2	2.5	0.6	0.4	0.1	0.0	5.0	2.8	0.0
		-0.5	-2.0	-3.1	-3.8	-5.7	-5.9	-6.2	-6.3	-1.3	-3.5	-6.3
성주군	3.7	4.0	3.1	2.3	1.7	0.3	0.2	0.0	0.0	3.5	2.0	0.0
		+0.3	-0.6	-1.4	-2.0	-3.4	-3.5	-3.7	-3.7	-0.2	-1.7	-3.7
안동시	11.9	10.6	8.0	7.1	5.7	2.1	1.9	0.4	0.2	9.3	6.4	0.3
		-1.3	-3.9	-4.8	-6.2	-9.8	-10.0	-11.5	-11.7	-2.6	-5.5	-11.6
영덕군	1.3	1.6	1.5	1.1	0.9	0.2	0.1	0.0	0.0	1.5	1.0	0.0
		+0.3	+0.2	-0.2	-0.4	-1.1	-1.2	-1.3	-1.3	+0.2	-0.3	-1.3
영양군	18.1	14.2	10.5	9.8	8.1	3.7	3.4	0.9	0.5	12.3	9.0	0.7
		-3.9	-7.6	-8.3	-10.0	-14.4	-14.7	-17.2	-17.6	-5.8	-9.1	-17.4
영주시	14.8	12.8	9.3	9.0	7.4	3.1	2.8	0.6	0.3	11.1	8.2	0.5
		-2.0	-5.5	-5.8	-7.4	-11.7	-12.0	-14.2	-14.5	-3.7	-6.6	-14.3
영천시	3.2	3.7	3.2	2.4	1.7	0.4	0.4	0.1	0.0	3.4	2.1	0.0
		+0.5	+0.0	-0.8	-1.5	-2.8	-2.8	-3.1	-3.2	+0.2	-1.1	-3.2
예천군	9.3	9.2	6.7	5.8	4.6	1.3	1.2	0.2	0.1	8.0	5.2	0.1
		-0.1	-2.6	-3.5	-4.7	-8.0	-8.1	-9.1	-9.2	-1.3	-4.1	-9.2
울릉군	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
울진군	2.1	1.8	1.5	1.3	0.9	0.3	0.2	0.0	0.0	1.6	1.1	0.0
		-0.3	-0.6	-0.8	-1.2	-1.8	-1.9	-2.1	-2.1	-0.5	-1.0	-2.1
의성군	12.2	10.7	7.9	6.6	5.3	1.7	1.5	0.2	0.1	9.3	5.9	0.2
		-1.5	-4.3	-5.6	-6.9	-10.5	-10.7	-12.0	-12.1	-2.9	-6.3	-12.0
청도군	3.7	3.5	3.0	2.2	1.6	0.3	0.2	0.0	0.0	3.2	1.9	0.0
		-0.2	-0.7	-1.5	-2.1	-3.4	-3.5	-3.7	-3.7	-0.5	-1.8	-3.7
청송군	17.2	14.5	10.9	9.9	8.2	3.5	3.1	0.8	0.3	12.7	9.1	0.6
		-2.7	-6.3	-7.3	-9.0	-13.7	-14.1	-16.4	-16.9	-4.5	-8.1	-16.6
칠곡군	2.4	2.5	2.2	1.5	1.1	0.1	0.1	0.0	0.0	2.3	1.3	0.0
		+0.1	-0.2	-0.9	-1.3	-2.3	-2.3	-2.4	-2.4	-0.1	-1.1	-2.4
포항시	0.8	0.8	0.8	0.5	0.4	0.1	0.1	0.0	0.0	0.8	0.4	0.0
		+0.0	+0.0	-0.3	-0.4	-0.7	-0.7	-0.8	-0.8	+0.0	-0.4	-0.8

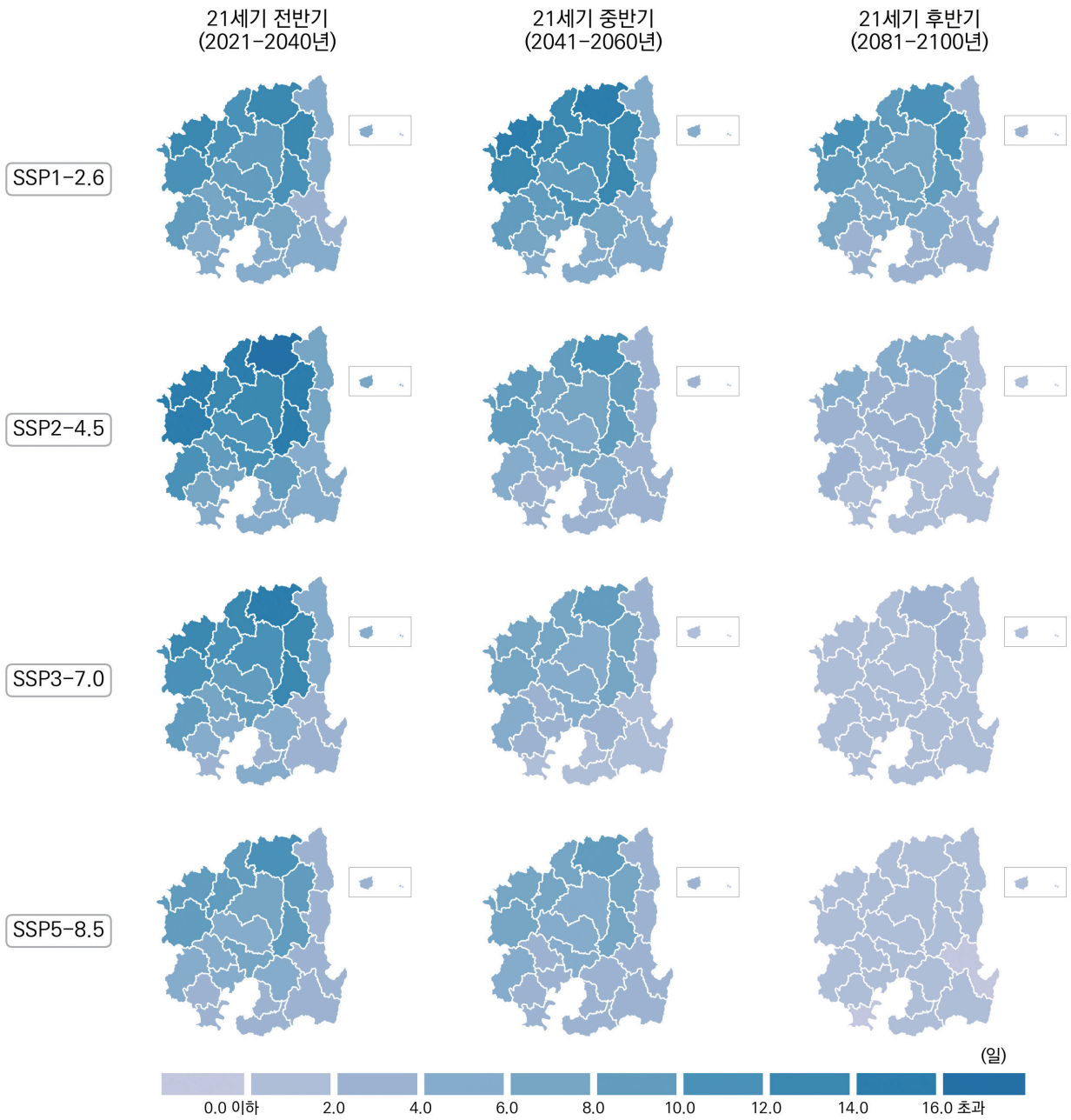


그림 4-28. 경상북도의 결빙일수(일) 전망 분포도

표 4-73. 경상북도의 결빙일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	8.4	8.4 +0.0	6.9 -1.5	8.5 +0.1	8.9 +0.5	6.9 -1.5	6.5 -1.9	6.3 -2.1	5.5 -2.9	7.6 -0.8	8.7 +0.3	5.9 -2.5
경산시	3.3	4.6 +1.3	4.1 +0.8	5.1 +1.8	5.3 +2.0	3.4 +0.1	3.2 -0.1	2.9 -0.4	2.7 -0.6	4.4 +1.1	5.2 +1.9	2.8 -0.5
경주시	3.6	4.6 +1.0	3.8 +0.2	4.8 +1.2	4.8 +1.2	3.5 -0.1	3.0 -0.6	2.9 -0.7	2.7 -0.9	4.2 +0.6	4.8 +1.2	2.8 -0.8
고령군	3.2	4.4 +1.2	4.0 +0.8	5.0 +1.8	4.9 +1.7	3.2 +0.0	3.1 -0.1	2.8 -0.4	2.6 -0.6	4.2 +1.0	4.9 +1.7	2.7 -0.5
구미시	6.9	7.5 +0.6	6.4 -0.5	8.0 +1.1	8.4 +1.5	5.9 -1.0	5.9 -1.0	5.4 -1.5	4.7 -2.2	6.9 +0.0	8.2 +1.3	5.0 -1.9
군위군	10.0	9.6 -0.4	8.0 -2.0	10.1 +0.1	10.5 +0.5	7.9 -2.1	7.9 -2.1	7.4 -2.6	6.4 -3.6	8.8 -1.2	10.3 +0.3	6.9 -3.1
김천시	9.5	9.3 -0.2	7.4 -2.1	9.4 -0.1	9.8 +0.3	7.3 -2.2	7.4 -2.1	6.8 -2.7	5.8 -3.7	8.3 -1.2	9.6 +0.1	6.3 -3.2
문경시	14.3	13.7 -0.6	10.9 -3.4	13.6 -0.7	14.6 +0.3	11.6 -2.7	11.2 -3.1	11.1 -3.2	9.2 -5.1	12.3 -2.0	14.1 -0.2	10.2 -4.1
봉화군	16.3	15.0 -1.3	12.1 -4.2	14.5 -1.8	15.5 -0.8	13.2 -3.1	12.3 -4.0	12.4 -3.9	10.7 -5.6	13.5 -2.8	15.0 -1.3	11.5 -4.8
상주시	13.3	12.6 -0.7	10.0 -3.3	12.6 -0.7	13.4 +0.1	10.5 -2.8	10.1 -3.2	10.0 -3.3	8.2 -5.1	11.3 -2.0	13.0 -0.3	9.1 -4.2
성주군	5.3	6.1 +0.8	5.4 +0.1	6.7 +1.4	6.8 +1.5	4.6 -0.7	4.6 -0.7	4.2 -1.1	3.8 -1.5	5.8 +0.5	6.8 +1.5	4.0 -1.3
안동시	10.2	10.6 +0.4	8.6 -1.6	10.9 +0.7	11.4 +1.2	8.8 -1.4	8.5 -1.7	8.5 -1.7	7.3 -2.9	9.6 -0.6	11.2 +1.0	7.9 -2.3
영덕군	4.6	5.0 +0.4	4.1 -0.5	5.4 +0.8	5.7 +1.1	4.4 -0.2	4.0 -0.6	3.4 -1.2	3.3 -1.3	4.5 -0.1	5.6 +1.0	3.4 -1.2
영양군	14.3	13.5 -0.8	11.1 -3.2	13.1 -1.2	14.0 -0.3	11.7 -2.6	11.0 -3.3	10.8 -3.5	9.4 -4.9	12.3 -2.0	13.6 -0.7	10.1 -4.2
영주시	12.9	12.7 -0.2	10.2 -2.7	12.7 -0.2	13.5 +0.6	11.0 -1.9	10.5 -2.4	10.4 -2.5	9.1 -3.8	11.4 -1.5	13.1 +0.2	9.8 -3.1
영천시	6.3	6.6 +0.3	5.8 -0.5	7.0 +0.7	7.4 +1.1	5.3 -1.0	5.1 -1.2	4.6 -1.7	4.2 -2.1	6.2 -0.1	7.2 +0.9	4.4 -1.9
예천군	11.3	11.5 +0.2	9.4 -1.9	11.9 +0.6	12.6 +1.3	9.8 -1.5	9.5 -1.8	9.4 -1.9	7.9 -3.4	10.5 -0.8	12.3 +1.0	8.6 -2.7
울릉군	12.4	6.6 -5.8	4.6 -7.8	5.5 -6.9	4.8 -7.6	5.2 -7.2	3.6 -8.8	3.2 -9.2	2.8 -9.6	5.6 -6.8	5.1 -7.3	3.0 -9.4
울진군	5.5	5.3 -0.2	4.3 -1.2	5.3 -0.2	5.6 +0.1	4.8 -0.7	4.1 -1.4	3.7 -1.8	3.6 -1.9	4.8 -0.7	5.5 +0.0	3.6 -1.9
의성군	8.8	9.0 +0.2	7.5 -1.3	9.6 +0.8	10.0 +1.2	7.4 -1.4	7.4 -1.4	7.0 -1.8	6.0 -2.8	8.3 -0.5	9.8 +1.0	6.5 -2.3
청도군	4.6	4.9 +0.3	4.2 -0.4	5.3 +0.7	5.3 +0.7	3.6 -1.0	3.4 -1.2	3.1 -1.5	2.9 -1.7	4.6 +0.0	5.3 +0.7	3.0 -1.6
청송군	14.0	12.9 -1.1	10.4 -3.6	12.9 -1.1	13.5 -0.5	11.0 -3.0	10.6 -3.4	10.3 -3.7	9.0 -5.0	11.7 -2.3	13.2 -0.8	9.7 -4.3
칠곡군	5.8	6.5 +0.7	5.7 -0.1	6.9 +1.1	7.4 +1.6	5.0 -0.8	4.9 -0.9	4.5 -1.3	4.1 -1.7	6.1 +0.3	7.1 +1.3	4.3 -1.5
포항시	3.0	4.1 +1.1	3.5 +0.5	4.4 +1.4	4.4 +1.4	3.3 +0.3	2.8 -0.2	2.6 -0.4	2.5 -0.5	3.8 +0.8	4.4 +1.4	2.6 -0.4

표 4-74. 경상북도의 결빙일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	8.4	8.9	11.0	5.3	5.5	3.8	5.0	2.0	2.3	9.9	5.4	2.2
		+0.5	+2.6	-3.1	-2.9	-4.6	-3.4	-6.4	-6.1	+1.5	-3.0	-6.2
경산시	3.3	5.6	5.9	2.4	2.7	1.8	1.9	0.7	0.6	5.8	2.5	0.6
		+2.3	+2.6	-0.9	-0.6	-1.5	-1.4	-2.6	-2.7	+2.5	-0.8	-2.7
경주시	3.6	5.4	5.9	2.4	2.7	1.8	2.0	0.7	0.7	5.6	2.5	0.7
		+1.8	+2.3	-1.2	-0.9	-1.8	-1.6	-2.9	-2.9	+2.0	-1.1	-2.9
고령군	3.2	5.2	5.7	2.3	2.5	1.7	1.8	0.6	0.6	5.4	2.4	0.6
		+2.0	+2.5	-0.9	-0.7	-1.5	-1.4	-2.6	-2.6	+2.2	-0.8	-2.6
구미시	6.9	8.1	10.1	4.7	4.6	3.0	4.1	1.5	1.6	9.1	4.7	1.5
		+1.2	+3.2	-2.2	-2.3	-3.9	-2.8	-5.4	-5.3	+2.2	-2.2	-5.4
군위군	10.0	9.8	13.0	6.4	6.2	4.5	6.0	2.3	2.8	11.4	6.3	2.5
		-0.2	+3.0	-3.6	-3.8	-5.5	-4.0	-7.7	-7.2	+1.4	-3.7	-7.5
김천시	9.5	9.3	12.0	5.9	5.7	4.0	5.3	1.9	2.2	10.7	5.8	2.1
		-0.2	+2.5	-3.6	-3.8	-5.5	-4.2	-7.6	-7.3	+1.2	-3.7	-7.4
문경시	14.3	13.7	17.3	9.6	9.3	6.8	9.0	3.9	4.6	15.5	9.5	4.2
		-0.6	+3.0	-4.7	-5.0	-7.5	-5.3	-10.4	-9.7	+1.2	-4.8	-10.1
봉화군	16.3	15.3	19.0	10.7	10.8	7.7	10.1	4.9	5.4	17.2	10.8	5.2
		-1.0	+2.7	-5.6	-5.5	-8.6	-6.2	-11.4	-10.9	+0.9	-5.5	-11.1
상주시	13.3	12.5	15.9	8.7	8.3	6.2	8.1	3.4	4.0	14.2	8.5	3.7
		-0.8	+2.6	-4.6	-5.0	-7.1	-5.2	-9.9	-9.3	+0.9	-4.8	-9.6
성주군	5.3	6.9	8.2	3.6	3.6	2.5	2.9	1.0	1.1	7.5	3.6	1.1
		+1.6	+2.9	-1.7	-1.7	-2.8	-2.4	-4.3	-4.2	+2.2	-1.7	-4.2
안동시	10.2	10.9	14.4	7.3	7.3	4.9	7.0	2.8	3.4	12.7	7.3	3.1
		+0.7	+4.2	-2.9	-2.9	-5.3	-3.2	-7.4	-6.8	+2.5	-2.9	-7.1
영덕군	4.6	6.0	7.3	2.9	3.4	2.2	2.9	1.0	1.0	6.7	3.2	1.0
		+1.4	+2.7	-1.7	-1.2	-2.4	-1.7	-3.6	-3.6	+2.1	-1.4	-3.6
영양군	14.3	13.6	17.3	9.3	9.4	6.8	9.1	4.3	4.7	15.5	9.4	4.5
		-0.7	+3.0	-5.0	-4.9	-7.5	-5.2	-10.0	-9.6	+1.2	-4.9	-9.8
영주시	12.9	13.0	16.9	9.1	8.9	6.3	8.6	3.7	4.5	15.0	9.0	4.1
		+0.1	+4.0	-3.8	-4.0	-6.6	-4.3	-9.2	-8.4	+2.1	-3.9	-8.8
영천시	6.3	7.4	8.8	4.0	4.2	2.9	3.6	1.4	1.5	8.1	4.1	1.4
		+1.1	+2.5	-2.3	-2.1	-3.4	-2.7	-4.9	-4.8	+1.8	-2.2	-4.9
예천군	11.3	11.9	15.3	8.1	8.0	5.6	7.6	3.2	3.9	13.6	8.0	3.5
		+0.6	+4.0	-3.2	-3.3	-5.7	-3.7	-8.1	-7.4	+2.3	-3.3	-7.8
울릉군	12.4	7.1	8.0	2.5	3.6	2.2	2.8	0.8	1.0	7.5	3.1	0.9
		-5.3	-4.4	-9.9	-8.8	-10.2	-9.6	-11.6	-11.4	-4.9	-9.3	-11.5
울진군	5.5	6.3	7.6	3.0	3.7	2.5	3.3	1.3	1.4	6.9	3.3	1.3
		+0.8	+2.1	-2.5	-1.8	-3.0	-2.2	-4.2	-4.1	+1.4	-2.2	-4.2
의성군	8.8	9.5	12.4	6.0	6.0	4.1	5.7	2.1	2.6	10.9	6.0	2.3
		+0.7	+3.6	-2.8	-2.8	-4.7	-3.1	-6.7	-6.2	+2.1	-2.8	-6.5
청도군	4.6	5.7	6.2	2.6	2.8	2.0	2.2	0.6	0.7	5.9	2.7	0.7
		+1.1	+1.6	-2.0	-1.8	-2.6	-2.4	-4.0	-3.9	+1.3	-1.9	-3.9
청송군	14.0	12.8	16.6	8.9	8.8	6.4	8.8	3.8	4.4	14.7	8.9	4.1
		-1.2	+2.6	-5.1	-5.2	-7.6	-5.2	-10.2	-9.6	+0.7	-5.1	-9.9
칠곡군	5.8	7.3	8.8	3.8	3.9	2.6	3.3	1.2	1.3	8.0	3.9	1.3
		+1.5	+3.0	-2.0	-1.9	-3.2	-2.5	-4.6	-4.5	+2.2	-1.9	-4.5
포항시	3.0	5.0	5.6	2.0	2.6	1.6	1.9	0.6	0.6	5.3	2.3	0.6
		+2.0	+2.6	-1.0	-0.4	-1.4	-1.1	-2.4	-2.4	+2.3	-0.7	-2.4

표 4-75. 경상북도의 결빙일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	8.4	8.4	7.1	4.7	3.3	2.6	2.6	1.1	0.4	7.7	4.0	0.7
		+0.0	-1.3	-3.7	-5.1	-5.8	-5.8	-7.3	-8.0	-0.7	-4.4	-7.7
경산시	3.3	4.3	3.5	2.0	1.4	0.4	0.9	0.2	0.0	3.9	1.7	0.1
		+1.0	+0.2	-1.3	-1.9	-2.9	-2.4	-3.1	-3.3	+0.6	-1.6	-3.2
경주시	3.6	4.1	3.5	2.1	1.3	0.5	0.9	0.2	0.0	3.8	1.7	0.1
		+0.5	-0.1	-1.5	-2.3	-3.1	-2.7	-3.4	-3.6	+0.2	-1.9	-3.5
고령군	3.2	4.3	3.3	1.9	1.3	0.4	0.8	0.1	0.0	3.8	1.6	0.1
		+1.1	+0.1	-1.3	-1.9	-2.8	-2.4	-3.1	-3.2	+0.6	-1.6	-3.1
구미시	6.9	7.6	6.5	4.0	2.7	1.5	2.0	0.4	0.1	7.0	3.3	0.3
		+0.7	-0.4	-2.9	-4.2	-5.4	-4.9	-6.5	-6.8	+0.1	-3.6	-6.6
군위군	10.0	9.9	8.6	5.7	3.9	2.8	3.0	0.9	0.3	9.3	4.8	0.6
		-0.1	-1.4	-4.3	-6.1	-7.2	-7.0	-9.1	-9.7	-0.7	-5.2	-9.4
김천시	9.5	9.4	7.8	5.2	3.5	2.3	2.6	0.8	0.2	8.6	4.3	0.5
		-0.1	-1.7	-4.3	-6.0	-7.2	-6.9	-8.7	-9.3	-0.9	-5.2	-9.0
문경시	14.3	14.2	11.7	8.3	6.1	5.5	5.1	2.3	1.0	13.0	7.2	1.6
		-0.1	-2.6	-6.0	-8.2	-8.8	-9.2	-12.0	-13.3	-1.3	-7.1	-12.7
봉화군	16.3	15.4	13.0	9.2	7.4	7.3	6.0	3.7	1.5	14.2	8.3	2.6
		-0.9	-3.3	-7.1	-8.9	-9.0	-10.3	-12.6	-14.8	-2.1	-8.0	-13.7
상주시	13.3	13.2	10.8	7.5	5.4	4.5	4.5	1.9	0.8	12.0	6.4	1.3
		-0.1	-2.5	-5.8	-7.9	-8.8	-8.8	-11.4	-12.5	-1.3	-6.9	-12.0
성주군	5.3	6.1	4.9	3.2	2.0	0.9	1.3	0.3	0.1	5.5	2.6	0.2
		+0.8	-0.4	-2.1	-3.3	-4.4	-4.0	-5.0	-5.2	+0.2	-2.7	-5.1
안동시	10.2	10.7	9.5	6.5	4.6	3.7	3.7	1.5	0.5	10.1	5.5	1.0
		+0.5	-0.7	-3.7	-5.6	-6.5	-6.5	-8.7	-9.7	-0.1	-4.7	-9.2
영덕군	4.6	5.1	4.5	2.7	1.8	1.0	1.3	0.4	0.1	4.8	2.3	0.2
		+0.5	-0.1	-1.9	-2.8	-3.6	-3.3	-4.2	-4.5	+0.2	-2.3	-4.4
영양군	14.3	13.8	11.7	8.1	6.5	6.2	5.1	2.9	1.3	12.7	7.3	2.1
		-0.5	-2.6	-6.2	-7.8	-8.1	-9.2	-11.4	-13.0	-1.6	-7.0	-12.2
영주시	12.9	13.0	11.2	7.9	5.9	5.7	4.9	2.4	1.0	12.1	6.9	1.7
		+0.1	-1.7	-5.0	-7.0	-7.2	-8.0	-10.5	-11.9	-0.8	-6.0	-11.2
영천시	6.3	6.4	5.6	3.5	2.4	1.5	1.8	0.5	0.2	6.0	3.0	0.4
		+0.1	-0.7	-2.8	-3.9	-4.8	-4.5	-5.8	-6.1	-0.3	-3.3	-5.9
예천군	11.3	12.1	10.2	7.1	5.1	4.3	4.2	1.8	0.7	11.1	6.1	1.2
		+0.8	-1.1	-4.2	-6.2	-7.0	-7.1	-9.5	-10.6	-0.2	-5.2	-10.1
울릉군	12.4	6.1	4.1	2.3	1.6	0.9	1.0	0.3	0.0	5.1	1.9	0.2
		-6.3	-8.3	-10.1	-10.8	-11.5	-11.4	-12.1	-12.4	-7.3	-10.5	-12.2
울진군	5.5	5.3	4.4	2.8	2.1	1.6	1.6	0.8	0.3	4.9	2.4	0.6
		-0.2	-1.1	-2.7	-3.4	-3.9	-3.9	-4.7	-5.2	-0.6	-3.1	-4.9
의성군	8.8	9.4	8.1	5.4	3.6	2.5	2.9	0.9	0.2	8.7	4.5	0.5
		+0.6	-0.7	-3.4	-5.2	-6.3	-5.9	-7.9	-8.6	-0.1	-4.3	-8.3
청도군	4.6	4.6	3.8	2.3	1.5	0.6	1.0	0.2	0.1	4.2	1.9	0.1
		+0.0	-0.8	-2.3	-3.1	-4.0	-3.6	-4.4	-4.5	-0.4	-2.7	-4.5
청송군	14.0	13.0	11.3	7.8	6.0	5.5	4.8	2.4	1.1	12.1	6.9	1.7
		-1.0	-2.7	-6.2	-8.0	-8.5	-9.2	-11.6	-12.9	-1.9	-7.1	-12.3
칠곡군	5.8	6.4	5.5	3.3	2.2	1.1	1.5	0.3	0.1	5.9	2.7	0.2
		+0.6	-0.3	-2.5	-3.6	-4.7	-4.3	-5.5	-5.7	+0.1	-3.1	-5.6
포항시	3.0	3.9	3.1	1.9	1.2	0.5	0.9	0.3	0.0	3.5	1.6	0.1
		+0.9	+0.1	-1.1	-1.8	-2.5	-2.1	-2.7	-3.0	+0.5	-1.4	-2.9

표 4-76. 경상북도의 결빙일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	8.4	6.3	4.6	4.7	4.4	1.7	1.7	0.5	0.2	5.5	4.6	0.4
		-2.1	-3.8	-3.7	-4.0	-6.7	-6.7	-7.9	-8.2	-2.9	-3.8	-8.0
경산시	3.3	2.8	2.4	2.3	2.0	0.6	0.4	0.1	0.0	2.6	2.2	0.1
		-0.5	-0.9	-1.0	-1.3	-2.7	-2.9	-3.2	-3.3	-0.7	-1.1	-3.2
경주시	3.6	2.7	2.2	2.4	2.1	0.7	0.4	0.1	0.0	2.5	2.2	0.1
		-0.9	-1.4	-1.2	-1.5	-2.9	-3.2	-3.5	-3.6	-1.1	-1.4	-3.5
고령군	3.2	2.8	2.4	2.3	1.9	0.6	0.3	0.1	0.0	2.6	2.1	0.0
		-0.4	-0.8	-0.9	-1.3	-2.6	-2.9	-3.1	-3.2	-0.6	-1.1	-3.2
구미시	6.9	5.5	4.0	4.1	3.8	1.2	1.1	0.2	0.1	4.7	3.9	0.1
		-1.4	-2.9	-2.8	-3.1	-5.7	-5.8	-6.7	-6.8	-2.2	-3.0	-6.8
군위군	10.0	7.7	5.3	5.4	5.3	1.9	1.9	0.4	0.2	6.5	5.4	0.3
		-2.3	-4.7	-4.6	-4.7	-8.1	-8.1	-9.6	-9.8	-3.5	-4.6	-9.7
김천시	9.5	7.1	4.9	5.0	4.8	1.6	1.6	0.3	0.1	6.0	4.9	0.2
		-2.4	-4.6	-4.5	-4.7	-7.9	-7.9	-9.2	-9.4	-3.5	-4.6	-9.3
문경시	14.3	11.6	7.9	8.1	7.8	3.3	3.4	1.1	0.5	9.7	7.9	0.8
		-2.7	-6.4	-6.2	-6.5	-11.0	-10.9	-13.2	-13.8	-4.6	-6.4	-13.5
봉화군	16.3	12.2	9.0	8.9	8.8	3.9	4.3	1.9	1.1	10.6	8.8	1.5
		-4.1	-7.3	-7.4	-7.5	-12.4	-12.0	-14.4	-15.2	-5.7	-7.5	-14.8
상주시	13.3	10.4	7.2	7.3	7.0	2.9	2.9	0.9	0.4	8.8	7.2	0.6
		-2.9	-6.1	-6.0	-6.3	-10.4	-10.4	-12.4	-12.9	-4.5	-6.1	-12.7
성주군	5.3	4.4	3.3	3.3	2.9	0.9	0.7	0.1	0.0	3.8	3.1	0.1
		-0.9	-2.0	-2.0	-2.4	-4.4	-4.6	-5.2	-5.3	-1.5	-2.2	-5.2
안동시	10.2	8.4	5.9	6.1	6.0	2.4	2.5	0.6	0.3	7.2	6.0	0.4
		-1.8	-4.3	-4.1	-4.2	-7.8	-7.7	-9.6	-9.9	-3.0	-4.2	-9.8
영덕군	4.6	3.5	2.6	2.7	2.6	0.9	0.7	0.1	0.1	3.0	2.6	0.1
		-1.1	-2.0	-1.9	-2.0	-3.7	-3.9	-4.5	-4.5	-1.6	-2.0	-4.5
영양군	14.3	10.9	7.8	8.0	7.7	3.4	3.7	1.5	0.8	9.3	7.8	1.1
		-3.4	-6.5	-6.3	-6.6	-10.9	-10.6	-12.8	-13.5	-5.0	-6.5	-13.2
영주시	12.9	10.4	7.4	7.5	7.3	3.1	3.4	1.1	0.6	8.9	7.4	0.8
		-2.5	-5.5	-5.4	-5.6	-9.8	-9.5	-11.8	-12.3	-4.0	-5.5	-12.1
영천시	6.3	4.7	3.5	3.6	3.3	1.2	1.0	0.3	0.1	4.1	3.5	0.2
		-1.6	-2.8	-2.7	-3.0	-5.1	-5.3	-6.0	-6.2	-2.2	-2.8	-6.1
예천군	11.3	9.5	6.7	6.8	6.6	2.7	2.8	0.8	0.4	8.1	6.7	0.6
		-1.8	-4.6	-4.5	-4.7	-8.6	-8.5	-10.5	-10.9	-3.2	-4.6	-10.7
울릉군	12.4	4.1	2.6	2.8	2.3	0.6	0.4	0.1	0.1	3.3	2.5	0.1
		-8.3	-9.8	-9.6	-10.1	-11.8	-12.0	-12.3	-12.3	-9.1	-9.9	-12.3
울진군	5.5	3.8	2.9	2.9	2.7	1.2	1.0	0.4	0.2	3.3	2.8	0.3
		-1.7	-2.6	-2.6	-2.8	-4.3	-4.5	-5.1	-5.3	-2.2	-2.7	-5.2
의성군	8.8	7.1	4.9	5.1	4.9	1.8	1.8	0.3	0.1	6.0	5.0	0.2
		-1.7	-3.9	-3.7	-3.9	-7.0	-7.0	-8.5	-8.7	-2.8	-3.8	-8.6
청도군	4.6	3.0	2.6	2.5	2.1	0.7	0.5	0.1	0.0	2.8	2.3	0.1
		-1.6	-2.0	-2.1	-2.5	-3.9	-4.1	-4.5	-4.6	-1.8	-2.3	-4.5
청송군	14.0	10.5	7.3	7.6	7.3	3.2	3.5	1.2	0.5	8.9	7.5	0.8
		-3.5	-6.7	-6.4	-6.7	-10.8	-10.5	-12.8	-13.5	-5.1	-6.5	-13.2
칠곡군	5.8	4.7	3.5	3.6	3.2	1.0	0.8	0.2	0.0	4.1	3.4	0.1
		-1.1	-2.3	-2.2	-2.6	-4.8	-5.0	-5.6	-5.8	-1.7	-2.4	-5.7
포항시	3.0	2.5	2.1	2.2	2.0	0.6	0.4	0.1	0.0	2.3	2.1	0.0
		-0.5	-0.9	-0.8	-1.0	-2.4	-2.6	-2.9	-3.0	-0.7	-0.9	-3.0

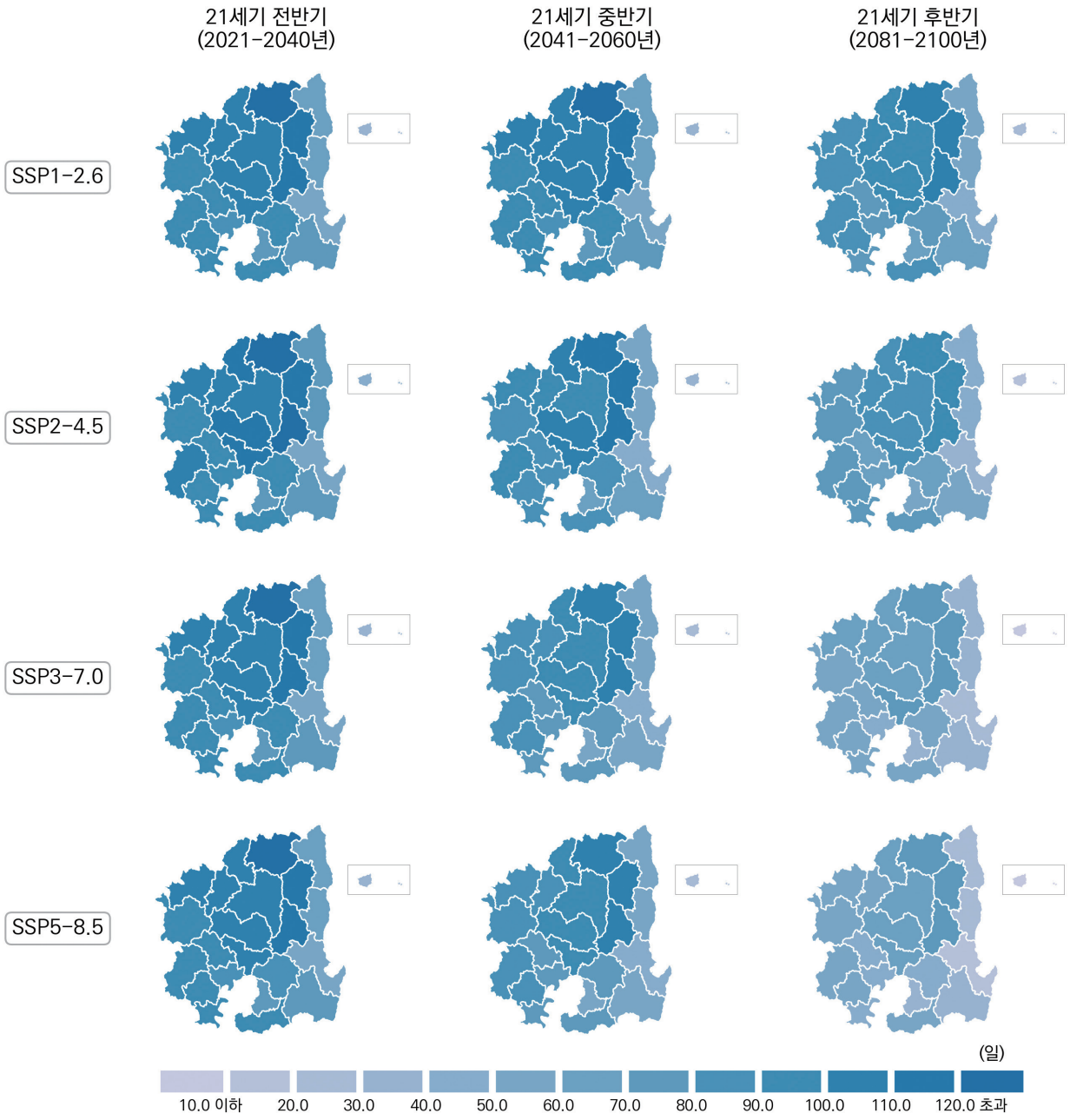


그림 4-29. 경상북도의 서리일수(일) 전망 분포도

표 4-77. 경상북도의 서리일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	109.0	91.3	88.7	89.9	91.0	85.5	83.9	81.9	76.8	90.0	90.5	79.3
		-17.7	-20.3	-19.1	-18.0	-23.5	-25.1	-27.1	-32.2	-19.0	-18.5	-29.7
경산시	91.8	73.6	69.2	72.6	75.2	70.4	68.3	64.3	60.0	71.4	73.9	62.1
		-18.2	-22.6	-19.2	-16.6	-21.4	-23.5	-27.5	-31.8	-20.4	-17.9	-29.7
경주시	90.8	73.7	70.4	72.4	74.7	70.1	67.8	64.1	59.6	72.0	73.6	61.9
		-17.1	-20.4	-18.4	-16.1	-20.7	-23.0	-26.7	-31.2	-18.8	-17.2	-28.9
고령군	110.7	92.8	89.8	91.0	91.8	87.7	85.6	82.4	77.5	91.3	91.4	80.0
		-17.9	-20.9	-19.7	-18.9	-23.0	-25.1	-28.3	-33.2	-19.4	-19.3	-30.7
구미시	111.2	92.1	89.2	90.4	92.2	86.6	85.0	82.0	76.9	90.7	91.3	79.4
		-19.1	-22.0	-20.8	-19.0	-24.6	-26.2	-29.2	-34.3	-20.5	-19.9	-31.8
군위군	126.7	110.3	109.3	109.7	108.6	103.3	102.7	101.3	95.9	109.8	109.2	98.6
		-16.4	-17.4	-17.0	-18.1	-23.4	-24.0	-25.4	-30.8	-16.9	-17.5	-28.1
김천시	118.4	99.9	97.9	98.3	99.2	93.9	92.2	89.8	84.8	98.9	98.7	87.3
		-18.5	-20.5	-20.1	-19.2	-24.5	-26.2	-28.6	-33.6	-19.5	-19.7	-31.1
문경시	121.9	101.8	99.8	100.8	101.6	95.3	94.1	92.0	86.8	100.8	101.2	89.4
		-20.1	-22.1	-21.1	-20.3	-26.6	-27.8	-29.9	-35.1	-21.1	-20.7	-32.5
봉화군	139.6	122.0	120.5	122.0	120.3	113.2	112.9	112.8	107.1	121.3	121.2	110.0
		-17.6	-19.1	-17.6	-19.3	-26.4	-26.7	-26.8	-32.5	-18.3	-18.4	-29.6
상주시	117.7	97.5	95.6	96.3	97.5	91.6	90.4	87.7	82.7	96.6	96.9	85.2
		-20.2	-22.1	-21.4	-20.2	-26.1	-27.3	-30.0	-35.0	-21.1	-20.8	-32.5
성주군	114.6	96.3	94.0	94.5	95.5	90.8	88.9	86.1	81.2	95.1	95.0	83.7
		-18.3	-20.6	-20.1	-19.1	-23.8	-25.7	-28.5	-33.4	-19.5	-19.6	-30.9
안동시	125.3	106.2	105.0	106.3	105.6	99.9	99.1	97.4	92.2	105.6	106.0	94.8
		-19.1	-20.3	-19.0	-19.7	-25.4	-26.2	-27.9	-33.1	-19.7	-19.3	-30.5
영덕군	87.8	68.6	65.3	66.1	70.3	65.1	61.9	59.5	54.3	66.9	68.2	56.9
		-19.2	-22.5	-21.7	-17.5	-22.7	-25.9	-28.3	-33.5	-20.9	-19.6	-30.9
영양군	135.9	118.4	117.4	118.7	117.0	110.4	109.9	109.9	104.1	117.9	117.8	107.0
		-17.5	-18.5	-17.2	-18.9	-25.5	-26.0	-26.0	-31.8	-18.0	-18.1	-28.9
영주시	129.9	110.1	108.4	109.9	109.1	102.6	101.7	100.4	95.5	109.2	109.5	98.0
		-19.8	-21.5	-20.0	-20.8	-27.3	-28.2	-29.5	-34.4	-20.7	-20.4	-31.9
영천시	111.9	91.8	89.3	90.5	91.2	86.6	84.8	81.5	76.3	90.6	90.9	78.9
		-20.1	-22.6	-21.4	-20.7	-25.3	-27.1	-30.4	-35.6	-21.3	-21.0	-33.0
예천군	124.1	104.4	102.5	103.6	103.8	97.5	96.4	94.7	89.7	103.5	103.7	92.2
		-19.7	-21.6	-20.5	-20.3	-26.6	-27.7	-29.4	-34.4	-20.6	-20.4	-31.9
울릉군	55.2	41.0	36.2	35.5	38.8	34.2	30.3	30.4	27.1	38.6	37.1	28.8
		-14.2	-19.0	-19.7	-16.4	-21.0	-24.9	-24.8	-28.1	-16.6	-18.1	-26.4
울진군	85.7	68.6	63.6	64.9	68.9	63.9	60.3	58.8	53.8	66.1	66.9	56.3
		-17.1	-22.1	-20.8	-16.8	-21.8	-25.4	-26.9	-31.9	-19.6	-18.8	-29.4
의성군	127.1	109.5	108.5	109.4	108.4	102.6	102.3	100.6	95.1	109.0	108.9	97.9
		-17.6	-18.6	-17.7	-18.7	-24.5	-24.8	-26.5	-32.0	-18.1	-18.2	-29.2
청도군	110.5	93.6	90.9	92.3	92.4	88.3	86.2	83.3	78.6	92.2	92.3	80.9
		-16.9	-19.6	-18.2	-18.1	-22.2	-24.3	-27.2	-31.9	-18.3	-18.2	-29.6
청송군	137.7	119.1	118.7	119.7	117.6	111.1	111.4	111.0	105.0	118.9	118.6	108.0
		-18.6	-19.0	-18.0	-20.1	-26.6	-26.3	-26.7	-32.7	-18.8	-19.1	-29.7
칠곡군	107.1	88.5	85.1	86.7	89.0	83.6	81.5	78.3	73.4	86.8	87.9	75.9
		-18.6	-22.0	-20.4	-18.1	-23.5	-25.6	-28.8	-33.7	-20.3	-19.2	-31.2
포항시	67.0	55.6	51.2	53.7	57.4	52.2	49.9	48.3	43.0	53.4	55.6	45.6
		-11.4	-15.8	-13.3	-9.6	-14.8	-17.1	-18.7	-24.0	-13.6	-11.4	-21.4

표 4-78. 경상북도의 서리일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	109.0	92.4	95.1	84.3	81.8	73.2	74.6	68.9	69.8	93.8	83.1	69.3
		-16.6	-13.9	-24.7	-27.2	-35.8	-34.4	-40.1	-39.2	-15.2	-25.9	-39.7
경산시	91.8	76.0	79.3	66.9	64.1	56.9	59.5	52.0	54.3	77.6	65.5	53.1
		-15.8	-12.5	-24.9	-27.7	-34.9	-32.3	-39.8	-37.5	-14.2	-26.3	-38.7
경주시	90.8	75.4	78.7	66.6	63.7	56.8	59.2	50.8	53.3	77.0	65.2	52.0
		-15.4	-12.1	-24.2	-27.1	-34.0	-31.6	-40.0	-37.5	-13.8	-25.6	-38.8
고령군	110.7	93.9	97.3	86.1	83.2	74.6	76.2	70.7	72.1	95.6	84.6	71.4
		-16.8	-13.4	-24.6	-27.5	-36.1	-34.5	-40.0	-38.6	-15.1	-26.1	-39.3
구미시	111.2	93.5	96.5	85.3	82.5	73.8	75.4	69.3	70.7	95.0	83.9	70.0
		-17.7	-14.7	-25.9	-28.7	-37.4	-35.8	-41.9	-40.5	-16.2	-27.3	-41.2
군위군	126.7	111.5	113.0	103.7	101.6	92.0	92.7	89.2	88.8	112.2	102.7	89.0
		-15.2	-13.7	-23.0	-25.1	-34.7	-34.0	-37.5	-37.9	-14.5	-24.0	-37.7
김천시	118.4	100.6	103.4	92.9	90.0	81.5	82.3	76.7	77.5	102.0	91.4	77.1
		-17.8	-15.0	-25.5	-28.4	-36.9	-36.1	-41.7	-40.9	-16.4	-27.0	-41.3
문경시	121.9	102.6	104.9	95.1	92.7	83.2	83.9	78.9	79.8	103.8	93.9	79.4
		-19.3	-17.0	-26.8	-29.2	-38.7	-38.0	-43.0	-42.1	-18.1	-28.0	-42.5
봉화군	139.6	122.1	123.6	115.4	111.9	103.4	101.4	99.9	98.8	122.9	113.6	99.4
		-17.5	-16.0	-24.2	-27.7	-36.2	-38.2	-39.7	-40.8	-16.7	-26.0	-40.2
상주시	117.7	98.6	101.2	90.7	88.2	79.3	80.2	74.5	75.8	99.9	89.4	75.2
		-19.1	-16.5	-27.0	-29.5	-38.4	-37.5	-43.2	-41.9	-17.8	-28.3	-42.5
성주군	114.6	97.3	100.6	89.6	86.7	78.1	79.2	74.2	75.1	99.0	88.2	74.7
		-17.3	-14.0	-25.0	-27.9	-36.5	-35.4	-40.4	-39.5	-15.6	-26.4	-39.9
안동시	125.3	107.9	109.6	100.4	97.5	88.1	89.0	84.9	85.4	108.8	99.0	85.1
		-17.4	-15.7	-24.9	-27.8	-37.2	-36.3	-40.4	-39.9	-16.5	-26.3	-40.2
영덕군	87.8	69.5	73.7	60.7	58.8	51.3	53.7	44.6	46.8	71.6	59.7	45.7
		-18.3	-14.1	-27.1	-29.0	-36.5	-34.1	-43.2	-41.0	-16.2	-28.1	-42.1
영양군	135.9	118.8	120.4	112.3	108.7	99.7	99.0	96.7	95.7	119.6	110.5	96.2
		-17.1	-15.5	-23.6	-27.2	-36.2	-36.9	-39.2	-40.2	-16.3	-25.4	-39.7
영주시	129.9	111.0	112.9	103.8	100.7	91.8	91.6	88.2	88.3	112.0	102.2	88.2
		-18.9	-17.0	-26.1	-29.2	-38.1	-38.3	-41.7	-41.6	-17.9	-27.7	-41.7
영천시	111.9	93.2	95.5	85.1	82.0	73.3	75.3	68.7	70.5	94.3	83.6	69.6
		-18.7	-16.4	-26.8	-29.9	-38.6	-36.6	-43.2	-41.4	-17.6	-28.3	-42.3
예천군	124.1	105.5	107.4	97.9	95.3	85.7	86.6	82.2	82.7	106.5	96.6	82.4
		-18.6	-16.7	-26.2	-28.8	-38.4	-37.5	-41.9	-41.4	-17.6	-27.5	-41.7
울릉군	55.2	41.7	45.2	30.7	29.8	20.0	23.8	16.3	15.2	43.5	30.3	15.7
		-13.5	-10.0	-24.5	-25.4	-35.2	-31.4	-38.9	-40.0	-11.7	-24.9	-39.5
울진군	85.7	68.4	73.2	59.2	57.8	49.9	52.1	43.7	45.6	70.8	58.5	44.6
		-17.3	-12.5	-26.5	-27.9	-35.8	-33.6	-42.0	-40.1	-14.9	-27.2	-41.1
의성군	127.1	111.2	112.7	103.3	101.0	91.3	92.2	88.3	88.3	112.0	102.2	88.3
		-15.9	-14.4	-23.8	-26.1	-35.8	-34.9	-38.8	-38.8	-15.1	-24.9	-38.8
청도군	110.5	94.9	97.6	87.2	84.4	75.4	77.3	72.1	73.1	96.3	85.8	72.6
		-15.6	-12.9	-23.3	-26.1	-35.1	-33.2	-38.4	-37.4	-14.2	-24.7	-37.9
청송군	137.7	120.2	121.3	112.9	110.1	100.7	100.5	97.8	97.2	120.7	111.5	97.5
		-17.5	-16.4	-24.8	-27.6	-37.0	-37.2	-39.9	-40.5	-17.0	-26.2	-40.2
칠곡군	107.1	90.1	93.2	81.8	79.0	70.5	72.2	65.7	67.5	91.6	80.4	66.6
		-17.0	-13.9	-25.3	-28.1	-36.6	-34.9	-41.4	-39.6	-15.5	-26.7	-40.5
포항시	67.0	57.1	61.3	47.7	47.3	40.1	43.3	33.8	36.2	59.2	47.5	35.0
		-9.9	-5.7	-19.3	-19.7	-26.9	-23.7	-33.2	-30.8	-7.8	-19.5	-32.0

표 4-79. 경상북도의 서리일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	109.0	93.9	86.7	78.7	72.9	67.9	64.0	57.2	47.4	90.3	75.8	52.3
		-15.1	-22.3	-30.3	-36.1	-41.1	-45.0	-51.8	-61.6	-18.7	-33.2	-56.7
경산시	91.8	76.5	68.8	60.9	55.5	52.5	49.8	42.3	33.3	72.6	58.2	37.8
		-15.3	-23.0	-30.9	-36.3	-39.3	-42.0	-49.5	-58.5	-19.2	-33.6	-54.0
경주시	90.8	76.2	68.2	60.5	55.1	51.6	48.4	41.1	32.4	72.2	57.8	36.7
		-14.6	-22.6	-30.3	-35.7	-39.2	-42.4	-49.7	-58.4	-18.6	-33.0	-54.1
고령군	110.7	95.2	88.1	80.9	74.5	68.7	65.1	58.3	48.1	91.7	77.7	53.2
		-15.5	-22.6	-29.8	-36.2	-42.0	-45.6	-52.4	-62.6	-19.0	-33.0	-57.5
구미시	111.2	94.8	87.2	79.8	73.3	68.4	64.7	56.9	46.7	91.0	76.5	51.8
		-16.4	-24.0	-31.4	-37.9	-42.8	-46.5	-54.3	-64.5	-20.2	-34.7	-59.4
군위군	126.7	112.8	106.4	98.6	93.1	86.8	82.3	76.7	65.0	109.6	95.9	70.9
		-13.9	-20.3	-28.1	-33.6	-39.9	-44.4	-50.0	-61.7	-17.1	-30.8	-55.8
김천시	118.4	102.9	95.1	87.1	81.0	75.1	71.6	63.4	52.8	99.0	84.0	58.1
		-15.5	-23.3	-31.3	-37.4	-43.3	-46.8	-55.0	-65.6	-19.4	-34.4	-60.3
문경시	121.9	104.8	97.5	89.1	82.8	77.5	73.5	66.0	55.3	101.2	86.0	60.7
		-17.1	-24.4	-32.8	-39.1	-44.4	-48.4	-55.9	-66.6	-20.7	-35.9	-61.2
봉화군	139.6	124.8	118.7	110.1	103.6	95.9	90.9	85.1	73.1	121.7	106.8	79.1
		-14.8	-20.9	-29.5	-36.0	-43.7	-48.7	-54.5	-66.5	-17.9	-32.8	-60.5
상주시	117.7	100.6	93.0	85.1	78.6	73.5	69.7	62.0	51.6	96.8	81.8	56.8
		-17.1	-24.7	-32.6	-39.1	-44.2	-48.0	-55.7	-66.1	-20.9	-35.9	-60.9
성주군	114.6	99.1	91.7	84.1	78.1	72.0	68.4	61.0	50.6	95.4	81.1	55.8
		-15.5	-22.9	-30.5	-36.5	-42.6	-46.2	-53.6	-64.0	-19.2	-33.5	-58.8
안동시	125.3	108.9	102.8	95.1	88.6	82.9	78.4	72.5	61.2	105.9	91.9	66.8
		-16.4	-22.5	-30.2	-36.7	-42.4	-46.9	-52.8	-64.1	-19.4	-33.4	-58.5
영덕군	87.8	71.4	63.2	54.4	49.5	46.4	42.7	35.6	28.0	67.3	51.9	31.8
		-16.4	-24.6	-33.4	-38.3	-41.4	-45.1	-52.2	-59.8	-20.5	-35.9	-56.0
영양군	135.9	121.0	115.4	106.6	100.9	93.4	88.3	82.1	70.0	118.2	103.7	76.1
		-14.9	-20.5	-29.3	-35.0	-42.5	-47.6	-53.8	-65.9	-17.7	-32.2	-59.8
영주시	129.9	113.0	106.5	98.1	91.9	85.5	80.7	74.3	63.4	109.8	95.0	68.9
		-16.9	-23.4	-31.8	-38.0	-44.4	-49.2	-55.6	-66.5	-20.1	-34.9	-61.0
영천시	111.9	93.9	86.9	79.2	72.8	68.4	64.5	57.5	47.0	90.4	76.0	52.2
		-18.0	-25.0	-32.7	-39.1	-43.5	-47.4	-54.4	-64.9	-21.5	-35.9	-59.7
예천군	124.1	107.0	100.4	92.4	85.7	80.3	76.1	69.1	58.5	103.7	89.0	63.8
		-17.1	-23.7	-31.7	-38.4	-43.8	-48.0	-55.0	-65.6	-20.4	-35.1	-60.3
울릉군	55.2	42.7	33.5	25.1	21.9	17.1	14.6	8.6	4.5	38.1	23.5	6.6
		-12.5	-21.7	-30.1	-33.3	-38.1	-40.6	-46.6	-50.7	-17.1	-31.7	-48.6
울진군	85.7	70.7	62.3	53.2	48.6	45.0	40.9	34.2	26.6	66.5	50.9	30.4
		-15.0	-23.4	-32.5	-37.1	-40.7	-44.8	-51.5	-59.1	-19.2	-34.8	-55.3
의성군	127.1	112.5	105.9	98.6	92.4	86.3	81.8	75.8	64.3	109.2	95.5	70.0
		-14.6	-21.2	-28.5	-34.7	-40.8	-45.3	-51.3	-62.8	-17.9	-31.6	-57.1
청도군	110.5	95.4	89.0	81.7	75.5	70.7	66.4	60.6	49.9	92.2	78.6	55.3
		-15.1	-21.5	-28.8	-35.0	-39.8	-44.1	-49.9	-60.6	-18.3	-31.9	-55.2
청송군	137.7	122.0	116.2	108.2	102.2	94.7	89.4	84.3	71.7	119.1	105.2	78.0
		-15.7	-21.5	-29.5	-35.5	-43.0	-48.3	-53.4	-66.0	-18.6	-32.5	-59.7
칠곡군	107.1	91.1	83.8	76.3	69.7	65.1	61.5	53.7	43.8	87.4	73.0	48.7
		-16.0	-23.3	-30.8	-37.4	-42.0	-45.6	-53.4	-63.3	-19.7	-34.1	-58.4
포항시	67.0	58.3	50.3	42.3	38.1	35.6	33.6	26.6	20.0	54.3	40.2	23.3
		-8.7	-16.7	-24.7	-28.9	-31.4	-33.4	-40.4	-47.0	-12.7	-26.8	-43.7

표 4-80. 경상북도의 서리일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	109.0	91.6	86.7	78.8	71.2	61.8	58.2	50.5	44.9	89.2	75.0	47.7
		-17.4	-22.3	-30.2	-37.8	-47.2	-50.8	-58.5	-64.1	-19.8	-34.0	-61.3
경산시	91.8	73.5	67.5	61.7	56.9	44.0	44.5	37.0	29.5	70.5	59.3	33.2
		-18.3	-24.3	-30.1	-34.9	-47.8	-47.3	-54.8	-62.3	-21.3	-32.5	-58.6
경주시	90.8	72.9	67.5	61.1	55.9	43.4	43.8	35.8	28.8	70.2	58.5	32.3
		-17.9	-23.3	-29.7	-34.9	-47.4	-47.0	-55.0	-62.0	-20.6	-32.3	-58.5
고령군	110.7	93.8	88.1	80.7	73.1	62.5	60.2	51.1	44.2	90.9	76.9	47.7
		-16.9	-22.6	-30.0	-37.6	-48.2	-50.5	-59.6	-66.5	-19.8	-33.8	-63.0
구미시	111.2	93.3	87.1	79.9	72.0	61.8	59.2	50.3	43.8	90.2	76.0	47.0
		-17.9	-24.1	-31.3	-39.2	-49.4	-52.0	-60.9	-67.4	-21.0	-35.2	-64.2
군위군	126.7	111.5	108.5	98.6	88.5	82.6	75.6	68.8	64.2	110.0	93.5	66.5
		-15.2	-18.2	-28.1	-38.2	-44.1	-51.1	-57.9	-62.5	-16.7	-33.2	-60.2
김천시	118.4	101.1	95.5	87.2	78.3	69.1	65.1	55.8	50.1	98.3	82.8	52.9
		-17.3	-22.9	-31.2	-40.1	-49.3	-53.3	-62.6	-68.3	-20.1	-35.6	-65.5
문경시	121.9	102.7	97.8	89.4	80.2	71.8	66.8	58.8	53.0	100.2	84.8	55.9
		-19.2	-24.1	-32.5	-41.7	-50.1	-55.1	-63.1	-68.9	-21.7	-37.1	-66.0
봉화군	139.6	123.4	120.0	109.0	97.8	92.5	83.1	75.8	71.4	121.7	103.4	73.6
		-16.2	-19.6	-30.6	-41.8	-47.1	-56.5	-63.8	-68.2	-17.9	-36.2	-66.0
상주시	117.7	98.9	93.1	85.4	76.4	67.5	63.5	55.0	48.7	96.0	80.9	51.8
		-18.8	-24.6	-32.3	-41.3	-50.2	-54.2	-62.7	-69.0	-21.7	-36.8	-65.9
성주군	114.6	97.8	92.0	84.2	76.0	65.9	63.0	53.5	47.3	94.9	80.1	50.4
		-16.8	-22.6	-30.4	-38.6	-48.7	-51.6	-61.1	-67.3	-19.7	-34.5	-64.2
안동시	125.3	107.6	104.5	95.1	85.3	78.5	71.9	64.8	60.1	106.0	90.2	62.4
		-17.7	-20.8	-30.2	-40.0	-46.8	-53.4	-60.5	-65.2	-19.3	-35.1	-62.9
영덕군	87.8	66.9	61.0	55.3	51.2	37.1	38.2	30.6	24.4	64.0	53.2	27.5
		-20.9	-26.8	-32.5	-36.6	-50.7	-49.6	-57.2	-63.4	-23.8	-34.6	-60.3
영양군	135.9	120.0	117.7	105.9	95.6	89.7	80.6	73.3	69.1	118.9	100.8	71.2
		-15.9	-18.2	-30.0	-40.3	-46.2	-55.3	-62.6	-66.8	-17.0	-35.1	-64.7
영주시	129.9	111.0	107.9	97.9	87.8	81.0	74.1	66.1	62.2	109.5	92.8	64.1
		-18.9	-22.0	-32.0	-42.1	-48.9	-55.8	-63.8	-67.7	-20.4	-37.1	-65.8
영천시	111.9	92.3	87.2	79.2	71.8	61.4	58.9	51.0	44.2	89.7	75.5	47.6
		-19.6	-24.7	-32.7	-40.1	-50.5	-53.0	-60.9	-67.7	-22.2	-36.4	-64.3
예천군	124.1	105.1	101.4	92.6	82.6	75.2	69.4	61.7	56.7	103.2	87.6	59.2
		-19.0	-22.7	-31.5	-41.5	-48.9	-54.7	-62.4	-67.4	-20.9	-36.5	-64.9
울릉군	55.2	36.6	31.6	25.9	21.8	11.9	9.4	5.9	2.9	34.1	23.9	4.4
		-18.6	-23.6	-29.3	-33.4	-43.3	-45.8	-49.3	-52.3	-21.1	-31.3	-50.8
울진군	85.7	65.7	60.0	53.8	50.2	35.9	36.1	29.2	23.4	62.9	52.0	26.3
		-20.0	-25.7	-31.9	-35.5	-49.8	-49.6	-56.5	-62.3	-22.8	-33.7	-59.4
의성군	127.1	110.9	107.9	98.2	87.8	82.1	74.9	68.0	63.5	109.4	93.0	65.7
		-16.2	-19.2	-28.9	-39.3	-45.0	-52.2	-59.1	-63.6	-17.7	-34.1	-61.4
청도군	110.5	94.4	89.2	81.7	74.1	64.4	61.4	53.6	46.8	91.8	77.9	50.2
		-16.1	-21.3	-28.8	-36.4	-46.1	-49.1	-56.9	-63.7	-18.7	-32.6	-60.3
청송군	137.7	121.1	118.3	107.3	96.6	90.6	82.4	75.4	71.3	119.7	101.9	73.3
		-16.6	-19.4	-30.4	-41.1	-47.1	-55.3	-62.3	-66.4	-18.0	-35.8	-64.4
칠곡군	107.1	89.9	83.3	76.2	69.1	58.2	56.5	47.1	40.4	86.6	72.7	43.8
		-17.2	-23.8	-30.9	-38.0	-48.9	-50.6	-60.0	-66.7	-20.5	-34.4	-63.3
포항시	67.0	53.8	47.6	42.9	40.3	27.8	29.4	22.0	16.4	50.7	41.6	19.2
		-13.2	-19.4	-24.1	-26.7	-39.2	-37.6	-45.0	-50.6	-16.3	-25.4	-47.8

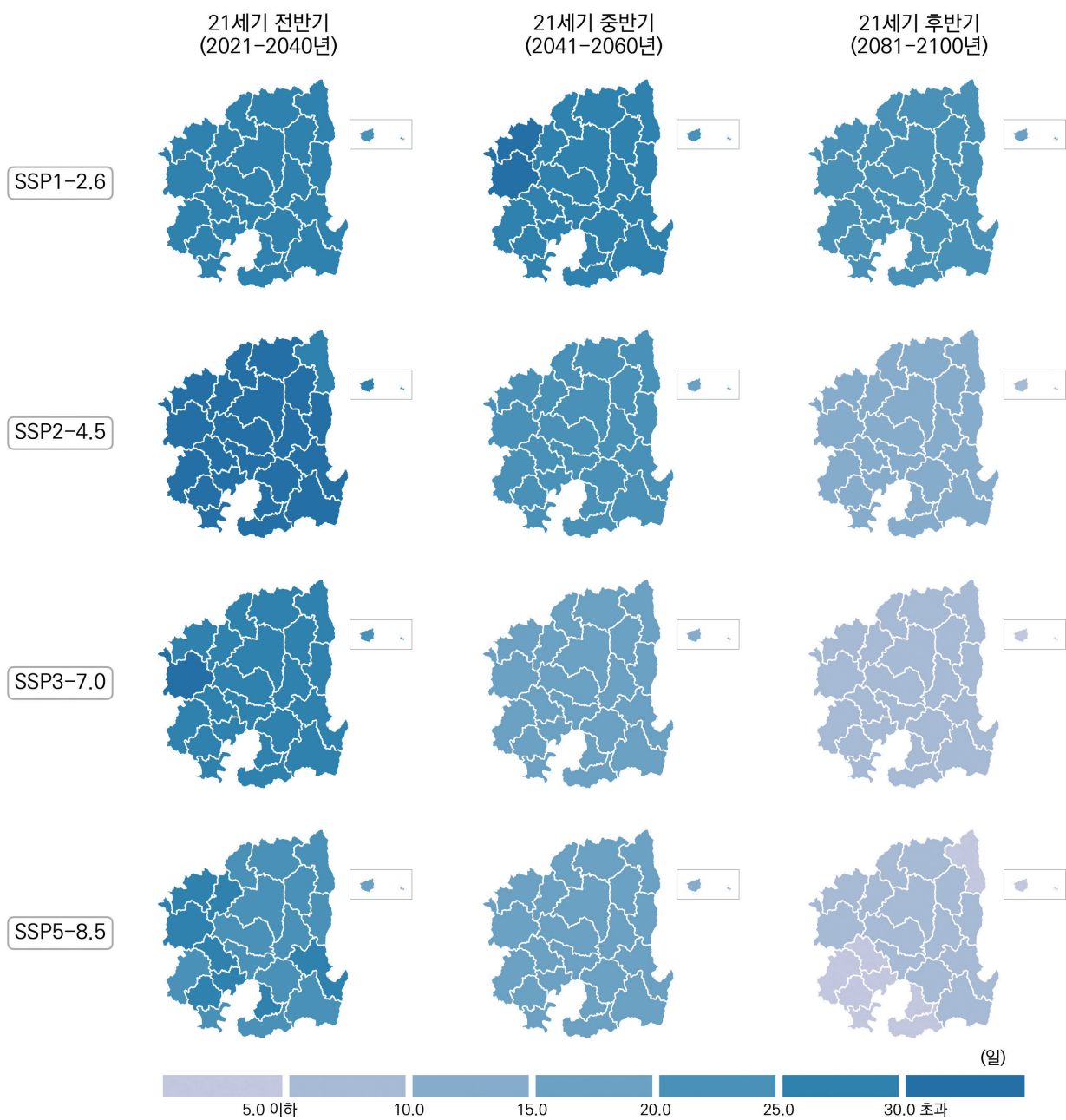


그림 4-30. 경상북도의 한랭일(일) 전망 분포도

표 4-81. 경상북도의 한랭일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.1	30.7	24.9	27.7	30.2	26.6	24.6	24.5	20.4	27.8	29.0	22.5
		-5.4	-11.2	-8.4	-5.9	-9.5	-11.5	-11.6	-15.7	-8.3	-7.1	-13.6
경산시	36.0	31.9	25.4	28.5	30.6	27.0	24.9	24.9	20.5	28.6	29.6	22.7
		-4.1	-10.6	-7.5	-5.4	-9.0	-11.1	-11.1	-15.5	-7.4	-6.4	-13.3
경주시	35.8	31.2	25.3	28.1	30.2	26.9	24.9	24.7	20.8	28.3	29.2	22.7
		-4.6	-10.5	-7.7	-5.6	-8.9	-10.9	-11.1	-15.0	-7.5	-6.6	-13.1
고령군	36.3	31.7	25.4	28.5	30.3	26.4	24.1	24.5	20.2	28.5	29.4	22.4
		-4.6	-10.9	-7.8	-6.0	-9.9	-12.2	-11.8	-16.1	-7.8	-6.9	-13.9
구미시	35.6	31.7	25.6	28.7	31.2	26.9	24.9	25.3	20.7	28.7	29.9	23.0
		-3.9	-10.0	-6.9	-4.4	-8.7	-10.7	-10.3	-14.9	-6.9	-5.7	-12.6
군위군	35.6	31.0	25.1	28.2	30.5	26.8	24.7	25.0	20.5	28.0	29.4	22.8
		-4.6	-10.5	-7.4	-5.1	-8.8	-10.9	-10.6	-15.1	-7.6	-6.2	-12.8
김천시	36.1	31.5	25.5	28.6	31.0	26.7	24.8	24.9	20.6	28.5	29.8	22.8
		-4.6	-10.6	-7.5	-5.1	-9.4	-11.3	-11.2	-15.5	-7.6	-6.3	-13.3
문경시	36.4	31.3	25.6	28.9	31.7	27.7	25.8	25.8	21.3	28.4	30.3	23.5
		-5.1	-10.8	-7.5	-4.7	-8.7	-10.6	-10.6	-15.1	-8.0	-6.1	-12.9
봉화군	35.5	28.9	23.9	26.8	29.8	26.1	25.2	24.4	20.7	26.4	28.3	22.5
		-6.6	-11.6	-8.7	-5.7	-9.4	-10.3	-11.1	-14.8	-9.1	-7.2	-13.0
상주시	36.0	31.6	25.7	28.8	31.7	27.4	25.4	25.7	21.1	28.7	30.3	23.4
		-4.4	-10.3	-7.2	-4.3	-8.6	-10.6	-10.3	-14.9	-7.3	-5.7	-12.6
성주군	36.4	32.2	25.8	28.8	30.9	26.9	24.9	25.1	20.6	29.0	29.9	22.9
		-4.2	-10.6	-7.6	-5.5	-9.5	-11.5	-11.3	-15.8	-7.4	-6.5	-13.5
안동시	35.8	30.6	24.7	28.0	30.8	27.2	25.3	25.4	20.9	27.7	29.4	23.1
		-5.2	-11.1	-7.8	-5.0	-8.6	-10.5	-10.4	-14.9	-8.1	-6.4	-12.7
영덕군	36.4	29.9	24.5	26.8	29.8	26.7	25.1	23.9	20.5	27.2	28.3	22.2
		-6.5	-11.9	-9.6	-6.6	-9.7	-11.3	-12.5	-15.9	-9.2	-8.1	-14.2
영양군	36.0	29.0	23.9	26.6	29.7	26.2	25.1	23.9	20.5	26.5	28.2	22.2
		-7.0	-12.1	-9.4	-6.3	-9.8	-10.9	-12.1	-15.5	-9.5	-7.8	-13.8
영주시	36.2	30.3	24.8	28.3	31.0	27.2	25.9	25.4	21.5	27.5	29.6	23.4
		-5.9	-11.4	-7.9	-5.2	-9.0	-10.3	-10.8	-14.7	-8.7	-6.6	-12.8
영천시	35.6	31.3	25.0	28.2	30.4	26.9	24.7	24.8	20.5	28.1	29.3	22.7
		-4.3	-10.6	-7.4	-5.2	-8.7	-10.9	-10.8	-15.1	-7.5	-6.3	-12.9
예천군	35.8	31.2	25.4	28.7	31.3	27.5	25.7	25.7	21.3	28.3	30.0	23.5
		-4.6	-10.4	-7.1	-4.5	-8.3	-10.1	-10.1	-14.5	-7.5	-5.8	-12.3
울릉군	36.8	25.1	20.9	20.5	22.6	19.9	16.5	17.0	14.6	23.0	21.6	15.8
		-11.7	-15.9	-16.3	-14.2	-16.9	-20.3	-19.8	-22.2	-13.8	-15.2	-21.0
울진군	37.2	28.5	23.6	25.1	27.8	24.7	22.8	22.2	19.3	26.1	26.4	20.8
		-8.7	-13.6	-12.1	-9.4	-12.5	-14.4	-15.0	-17.9	-11.1	-10.8	-16.4
의성군	35.8	31.1	25.0	28.3	30.8	27.1	25.1	25.3	20.7	28.0	29.5	23.0
		-4.7	-10.8	-7.5	-5.0	-8.7	-10.7	-10.5	-15.1	-7.8	-6.3	-12.8
청도군	36.3	31.3	25.3	28.4	30.3	26.5	24.2	24.4	20.1	28.3	29.3	22.3
		-5.0	-11.0	-7.9	-6.0	-9.8	-12.1	-11.9	-16.2	-8.0	-7.0	-14.0
청송군	36.5	30.1	24.4	27.4	30.1	26.8	25.1	24.5	20.5	27.2	28.8	22.5
		-6.4	-12.1	-9.1	-6.4	-9.7	-11.4	-12.0	-16.0	-9.3	-7.7	-14.0
칠곡군	35.8	31.9	25.5	28.5	30.8	26.8	24.8	25.1	20.6	28.7	29.6	22.8
		-3.9	-10.3	-7.3	-5.0	-9.0	-11.0	-10.7	-15.2	-7.1	-6.2	-13.0
포항시	35.8	31.2	25.9	28.2	31.0	27.6	25.5	25.0	21.1	28.5	29.6	23.1
		-4.6	-9.9	-7.6	-4.8	-8.2	-10.3	-10.8	-14.7	-7.3	-6.2	-12.7

표 4-82. 경상북도의 한랭일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.1	28.8	33.4	22.7	22.4	18.1	21.3	12.9	13.7	31.1	22.5	13.3
		-7.3	-2.7	-13.4	-13.7	-18.0	-14.8	-23.2	-22.4	-5.0	-13.6	-22.8
경산시	36.0	29.0	34.0	23.0	22.4	18.7	22.0	13.0	13.8	31.5	22.7	13.4
		-7.0	-2.0	-13.0	-13.6	-17.3	-14.0	-23.0	-22.2	-4.5	-13.3	-22.6
경주시	35.8	29.0	33.5	22.7	22.7	18.6	21.7	13.1	14.1	31.2	22.7	13.6
		-6.8	-2.3	-13.1	-13.1	-17.2	-14.1	-22.7	-21.7	-4.6	-13.1	-22.2
고령군	36.3	28.6	34.0	22.8	22.4	18.1	21.5	12.6	13.3	31.3	22.6	13.0
		-7.7	-2.3	-13.5	-13.9	-18.2	-14.8	-23.7	-23.0	-5.0	-13.7	-23.3
구미시	35.6	28.9	34.2	23.5	22.6	18.5	22.1	12.9	14.0	31.6	23.1	13.5
		-6.7	-1.4	-12.1	-13.0	-17.1	-13.5	-22.7	-21.6	-4.0	-12.5	-22.1
군위군	35.6	28.9	33.4	23.0	22.4	18.4	22.1	13.2	13.9	31.1	22.7	13.5
		-6.7	-2.2	-12.6	-13.2	-17.2	-13.5	-22.4	-21.7	-4.5	-12.9	-22.1
김천시	36.1	28.7	33.9	23.2	22.9	18.5	21.9	12.9	13.9	31.3	23.0	13.4
		-7.4	-2.2	-12.9	-13.2	-17.6	-14.2	-23.2	-22.2	-4.8	-13.1	-22.7
문경시	36.4	29.8	34.4	24.2	23.6	19.3	22.7	13.9	14.9	32.1	23.9	14.4
		-6.6	-2.0	-12.2	-12.8	-17.1	-13.7	-22.5	-21.5	-4.3	-12.5	-22.0
봉화군	35.5	29.1	32.9	22.4	22.2	17.8	20.5	13.1	13.7	31.0	22.3	13.4
		-6.4	-2.6	-13.1	-13.3	-17.7	-15.0	-22.4	-21.8	-4.5	-13.2	-22.1
상주시	36.0	29.4	34.5	24.0	23.3	19.1	22.4	13.4	14.5	32.0	23.7	13.9
		-6.6	-1.5	-12.0	-12.7	-16.9	-13.6	-22.6	-21.5	-4.0	-12.3	-22.1
성주군	36.4	28.7	34.5	23.2	22.9	18.5	22.0	13.0	13.8	31.6	23.1	13.4
		-7.7	-1.9	-13.2	-13.5	-17.9	-14.4	-23.4	-22.6	-4.8	-13.3	-23.0
안동시	35.8	29.5	33.6	23.4	22.9	18.7	22.0	13.8	14.7	31.6	23.1	14.2
		-6.3	-2.2	-12.4	-12.9	-17.1	-13.8	-22.0	-21.1	-4.2	-12.7	-21.6
영덕군	36.4	28.9	33.3	21.9	22.3	17.8	21.0	13.0	13.5	31.1	22.1	13.3
		-7.5	-3.1	-14.5	-14.1	-18.6	-15.4	-23.4	-22.9	-5.3	-14.3	-23.1
영양군	36.0	28.7	32.5	22.0	22.2	17.7	20.6	13.0	13.5	30.6	22.1	13.3
		-7.3	-3.5	-14.0	-13.8	-18.3	-15.4	-23.0	-22.5	-5.4	-13.9	-22.7
영주시	36.2	30.1	33.9	23.7	23.5	18.7	22.1	14.3	15.0	32.0	23.6	14.6
		-6.1	-2.3	-12.5	-12.7	-17.5	-14.1	-21.9	-21.2	-4.2	-12.6	-21.6
영천시	35.6	28.9	33.5	22.6	22.2	18.4	21.7	13.0	13.8	31.2	22.4	13.4
		-6.7	-2.1	-13.0	-13.4	-17.2	-13.9	-22.6	-21.8	-4.4	-13.2	-22.2
예천군	35.8	30.0	34.3	24.1	23.5	19.1	22.7	13.9	14.9	32.1	23.8	14.4
		-5.8	-1.5	-11.7	-12.3	-16.7	-13.1	-21.9	-20.9	-3.7	-12.0	-21.4
울릉군	36.8	23.4	28.3	16.0	16.4	11.0	13.0	7.0	6.8	25.8	16.2	6.9
		-13.4	-8.5	-20.8	-20.4	-25.8	-23.8	-29.8	-30.0	-11.0	-20.6	-29.9
울진군	37.2	27.6	31.6	20.8	21.2	15.8	18.2	11.1	11.3	29.6	21.0	11.2
		-9.6	-5.6	-16.4	-16.0	-21.4	-19.0	-26.1	-25.9	-7.6	-16.2	-26.0
의성군	35.8	29.3	33.9	23.4	22.7	18.6	22.2	13.5	14.4	31.6	23.0	13.9
		-6.5	-1.9	-12.4	-13.1	-17.2	-13.6	-22.3	-21.4	-4.2	-12.8	-21.9
청도군	36.3	28.6	33.6	22.6	21.9	18.3	21.6	12.7	13.5	31.1	22.3	13.1
		-7.7	-2.7	-13.7	-14.4	-18.0	-14.7	-23.6	-22.8	-5.2	-14.0	-23.2
청송군	36.5	29.1	32.8	22.3	22.3	18.2	21.5	13.4	14.0	31.0	22.3	13.7
		-7.4	-3.7	-14.2	-14.2	-18.3	-15.0	-23.1	-22.5	-5.5	-14.2	-22.8
칠곡군	35.8	28.6	34.0	23.4	22.5	18.3	21.9	12.8	13.8	31.3	22.9	13.3
		-7.2	-1.8	-12.4	-13.3	-17.5	-13.9	-23.0	-22.0	-4.5	-12.9	-22.5
포항시	35.8	29.7	34.2	23.0	23.3	19.0	22.1	13.6	14.3	31.9	23.1	14.0
		-6.1	-1.6	-12.8	-12.5	-16.8	-13.7	-22.2	-21.5	-3.9	-12.7	-21.8

표 4-83. 경상북도의 한랭일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.1	31.9	25.6	18.8	16.8	15.7	14.4	9.8	6.3	28.7	17.8	8.0
		-4.2	-10.5	-17.3	-19.3	-20.4	-21.7	-26.3	-29.8	-7.4	-18.3	-28.1
경산시	36.0	32.4	26.0	19.5	16.8	16.2	14.7	9.9	6.3	29.2	18.2	8.1
		-3.6	-10.0	-16.5	-19.2	-19.8	-21.3	-26.1	-29.7	-6.8	-17.8	-27.9
경주시	35.8	32.4	25.7	19.2	17.0	15.9	14.7	9.9	6.6	29.0	18.1	8.2
		-3.4	-10.1	-16.6	-18.8	-19.9	-21.1	-25.9	-29.2	-6.8	-17.7	-27.6
고령군	36.3	32.4	25.9	18.8	16.6	15.5	14.2	9.4	5.7	29.1	17.7	7.5
		-3.9	-10.4	-17.5	-19.7	-20.8	-22.1	-26.9	-30.6	-7.2	-18.6	-28.8
구미시	35.6	32.9	26.5	19.2	16.9	16.1	14.9	9.9	6.0	29.7	18.1	8.0
		-2.7	-9.1	-16.4	-18.7	-19.5	-20.7	-25.7	-29.6	-5.9	-17.5	-27.6
군위군	35.6	32.1	25.9	19.2	17.0	16.2	14.8	10.1	6.4	29.0	18.1	8.2
		-3.5	-9.7	-16.4	-18.6	-19.4	-20.8	-25.5	-29.2	-6.6	-17.5	-27.4
김천시	36.1	32.5	26.4	19.1	16.9	15.8	14.9	9.8	6.0	29.5	18.0	7.9
		-3.6	-9.7	-17.0	-19.2	-20.3	-21.2	-26.3	-30.1	-6.6	-18.1	-28.2
문경시	36.4	33.2	26.9	19.8	17.8	16.8	15.6	10.6	7.0	30.0	18.8	8.8
		-3.2	-9.5	-16.6	-18.6	-19.6	-20.8	-25.8	-29.4	-6.4	-17.6	-27.6
봉화군	35.5	30.9	25.1	18.7	17.0	15.8	14.4	10.4	7.0	28.0	17.8	8.7
		-4.6	-10.4	-16.8	-18.5	-19.7	-21.1	-25.1	-28.5	-7.5	-17.7	-26.8
상주시	36.0	33.3	26.8	19.6	17.4	16.4	15.4	10.3	6.6	30.1	18.5	8.4
		-2.7	-9.2	-16.4	-18.6	-19.6	-20.6	-25.7	-29.4	-5.9	-17.5	-27.6
성주군	36.4	32.8	26.5	19.2	16.9	15.8	14.8	9.7	6.0	29.6	18.1	7.8
		-3.6	-9.9	-17.2	-19.5	-20.6	-21.6	-26.7	-30.4	-6.8	-18.3	-28.6
안동시	35.8	32.0	26.2	19.4	17.6	16.5	15.2	10.6	7.1	29.1	18.5	8.8
		-3.8	-9.6	-16.4	-18.2	-19.3	-20.6	-25.2	-28.7	-6.7	-17.3	-27.0
영덕군	36.4	31.5	24.8	18.4	17.2	15.7	14.1	10.2	6.5	28.1	17.8	8.3
		-4.9	-11.6	-18.0	-19.2	-20.7	-22.3	-26.2	-29.9	-8.3	-18.6	-28.1
영양군	36.0	30.7	25.2	18.3	16.9	15.7	14.4	10.1	6.7	28.0	17.6	8.4
		-5.3	-10.8	-17.7	-19.1	-20.3	-21.6	-25.9	-29.3	-8.0	-18.4	-27.6
영주시	36.2	31.9	26.3	19.7	18.0	16.9	15.5	11.1	7.6	29.1	18.9	9.4
		-4.3	-9.9	-16.5	-18.2	-19.3	-20.7	-25.1	-28.6	-7.1	-17.3	-26.8
영천시	35.6	31.9	25.9	19.3	17.0	16.0	14.6	10.1	6.5	28.9	18.1	8.3
		-3.7	-9.7	-16.3	-18.6	-19.6	-21.0	-25.5	-29.1	-6.7	-17.5	-27.3
예천군	35.8	32.8	26.8	19.7	17.9	16.8	15.6	10.7	7.1	29.8	18.8	8.9
		-3.0	-9.0	-16.1	-17.9	-19.0	-20.2	-25.1	-28.7	-6.0	-17.0	-26.9
울릉군	36.8	25.3	18.4	12.3	10.4	8.0	6.9	3.8	1.5	21.9	11.3	2.7
		-11.5	-18.4	-24.5	-26.4	-28.8	-29.9	-33.0	-35.3	-14.9	-25.5	-34.1
울진군	37.2	30.2	23.5	17.1	15.3	13.8	11.9	8.6	5.1	26.8	16.2	6.8
		-7.0	-13.7	-20.1	-21.9	-23.4	-25.3	-28.6	-32.1	-10.4	-21.0	-30.4
의성군	35.8	32.4	26.4	19.3	17.3	16.4	15.0	10.3	6.6	29.4	18.3	8.4
		-3.4	-9.4	-16.5	-18.5	-19.4	-20.8	-25.5	-29.2	-6.4	-17.5	-27.4
청도군	36.3	32.1	25.3	19.0	16.6	15.8	14.2	9.5	6.0	28.7	17.8	7.7
		-4.2	-11.0	-17.3	-19.7	-20.5	-22.1	-26.8	-30.3	-7.6	-18.5	-28.6
청송군	36.5	31.3	25.5	18.8	17.0	16.0	14.8	10.5	6.9	28.4	17.9	8.7
		-5.2	-11.0	-17.7	-19.5	-20.5	-21.7	-26.0	-29.6	-8.1	-18.6	-27.8
칠곡군	35.8	32.5	26.3	19.1	16.7	15.9	14.7	9.7	6.0	29.4	17.9	7.9
		-3.3	-9.5	-16.7	-19.1	-19.9	-21.1	-26.1	-29.8	-6.4	-17.9	-27.9
포항시	35.8	33.0	25.9	19.5	17.7	16.3	15.0	10.2	6.6	29.4	18.6	8.4
		-2.8	-9.9	-16.3	-18.1	-19.5	-20.8	-25.6	-29.2	-6.4	-17.2	-27.4

표 4-84. 경상북도의 한랭일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.1	27.5	21.4	19.2	18.5	10.7	11.1	6.6	3.6	24.5	18.8	5.1
		-8.6	-14.7	-16.9	-17.6	-25.4	-25.0	-29.5	-32.5	-11.6	-17.3	-31.0
경산시	36.0	28.6	21.8	19.6	18.7	11.0	11.5	6.5	3.3	25.2	19.1	4.9
		-7.4	-14.2	-16.4	-17.3	-25.0	-24.5	-29.5	-32.7	-10.8	-16.9	-31.1
경주시	35.8	27.9	21.8	19.9	19.0	11.2	11.8	7.0	3.8	24.9	19.4	5.4
		-7.9	-14.0	-15.9	-16.8	-24.6	-24.0	-28.8	-32.0	-10.9	-16.4	-30.4
고령군	36.3	28.5	21.3	19.6	18.1	10.5	10.9	5.8	2.8	24.9	18.8	4.3
		-7.8	-15.0	-16.7	-18.2	-25.8	-25.4	-30.5	-33.5	-11.4	-17.5	-32.0
구미시	35.6	28.7	21.7	19.8	18.9	10.8	11.4	6.3	3.0	25.2	19.4	4.7
		-6.9	-13.9	-15.8	-16.7	-24.8	-24.2	-29.3	-32.6	-10.4	-16.2	-30.9
군위군	35.6	28.0	21.5	19.5	18.9	11.1	11.4	6.6	3.5	24.7	19.2	5.1
		-7.6	-14.1	-16.1	-16.7	-24.5	-24.2	-29.0	-32.1	-10.9	-16.4	-30.5
김천시	36.1	28.3	21.5	19.7	18.6	10.8	11.4	6.3	3.0	24.9	19.1	4.6
		-7.8	-14.6	-16.4	-17.5	-25.3	-24.7	-29.8	-33.1	-11.2	-17.0	-31.5
문경시	36.4	28.4	22.3	20.0	19.6	11.2	12.1	7.1	4.0	25.4	19.8	5.5
		-8.0	-14.1	-16.4	-16.8	-25.2	-24.3	-29.3	-32.4	-11.0	-16.6	-30.9
봉화군	35.5	26.4	21.2	18.5	18.3	10.8	10.9	7.3	4.5	23.8	18.4	5.9
		-9.1	-14.3	-17.0	-17.2	-24.7	-24.6	-28.2	-31.0	-11.7	-17.1	-29.6
상주시	36.0	28.5	22.1	20.0	19.5	11.1	11.9	6.8	3.5	25.3	19.8	5.2
		-7.5	-13.9	-16.0	-16.5	-24.9	-24.1	-29.2	-32.5	-10.7	-16.2	-30.8
성주군	36.4	28.7	21.8	20.0	18.6	10.7	11.3	6.1	2.9	25.3	19.3	4.5
		-7.7	-14.6	-16.4	-17.8	-25.7	-25.1	-30.3	-33.5	-11.1	-17.1	-31.9
안동시	35.8	27.8	21.9	19.2	19.2	11.1	11.7	7.4	4.2	24.9	19.2	5.8
		-8.0	-13.9	-16.6	-16.6	-24.7	-24.1	-28.4	-31.6	-10.9	-16.6	-30.0
영덕군	36.4	26.5	21.4	19.1	18.4	10.8	11.0	7.3	4.3	23.9	18.8	5.8
		-9.9	-15.0	-17.3	-18.0	-25.6	-25.4	-29.1	-32.1	-12.5	-17.6	-30.6
영양군	36.0	26.6	21.1	18.5	18.2	10.7	11.0	7.1	4.3	23.8	18.4	5.7
		-9.4	-14.9	-17.5	-17.8	-25.3	-25.0	-28.9	-31.7	-12.2	-17.6	-30.3
영주시	36.2	27.7	22.2	19.5	19.6	11.3	11.8	7.7	4.8	24.9	19.5	6.3
		-8.5	-14.0	-16.7	-16.6	-24.9	-24.4	-28.5	-31.4	-11.3	-16.7	-29.9
영천시	35.6	28.0	21.7	19.3	18.7	11.0	11.6	6.7	3.7	24.8	19.0	5.2
		-7.6	-13.9	-16.3	-16.9	-24.6	-24.0	-28.9	-31.9	-10.8	-16.6	-30.4
예천군	35.8	28.2	22.3	19.7	19.6	11.3	12.0	7.2	4.2	25.2	19.7	5.7
		-7.6	-13.5	-16.1	-16.2	-24.5	-23.8	-28.6	-31.6	-10.6	-16.1	-30.1
울릉군	36.8	19.9	15.8	13.3	11.1	5.3	4.4	2.5	0.9	17.9	12.2	1.7
		-16.9	-21.0	-23.5	-25.7	-31.5	-32.4	-34.3	-35.9	-18.9	-24.6	-35.1
울진군	37.2	25.1	19.8	17.7	16.4	9.3	8.9	5.6	3.2	22.5	17.1	4.4
		-12.1	-17.4	-19.5	-20.8	-27.9	-28.3	-31.6	-34.0	-14.7	-20.1	-32.8
의성군	35.8	28.0	21.9	19.4	19.2	11.1	11.6	6.9	3.7	24.9	19.3	5.3
		-7.8	-13.9	-16.4	-16.6	-24.7	-24.2	-28.9	-32.1	-10.9	-16.5	-30.5
청도군	36.3	28.5	21.6	19.5	18.2	10.7	11.0	6.2	3.1	25.0	18.9	4.6
		-7.8	-14.7	-16.8	-18.1	-25.6	-25.3	-30.1	-33.2	-11.3	-17.4	-31.7
청송군	36.5	27.3	21.4	18.9	18.8	11.0	11.5	7.2	4.1	24.3	18.8	5.6
		-9.2	-15.1	-17.6	-17.7	-25.5	-25.0	-29.3	-32.4	-12.2	-17.7	-30.9
칠곡군	35.8	28.7	21.6	19.8	18.7	10.7	11.2	6.2	3.0	25.2	19.3	4.6
		-7.1	-14.2	-16.0	-17.1	-25.1	-24.6	-29.6	-32.8	-10.6	-16.5	-31.2
포항시	35.8	27.9	22.3	20.1	19.5	11.4	12.1	7.4	4.2	25.1	19.8	5.8
		-7.9	-13.5	-15.7	-16.3	-24.4	-23.7	-28.4	-31.6	-10.7	-16.0	-30.0

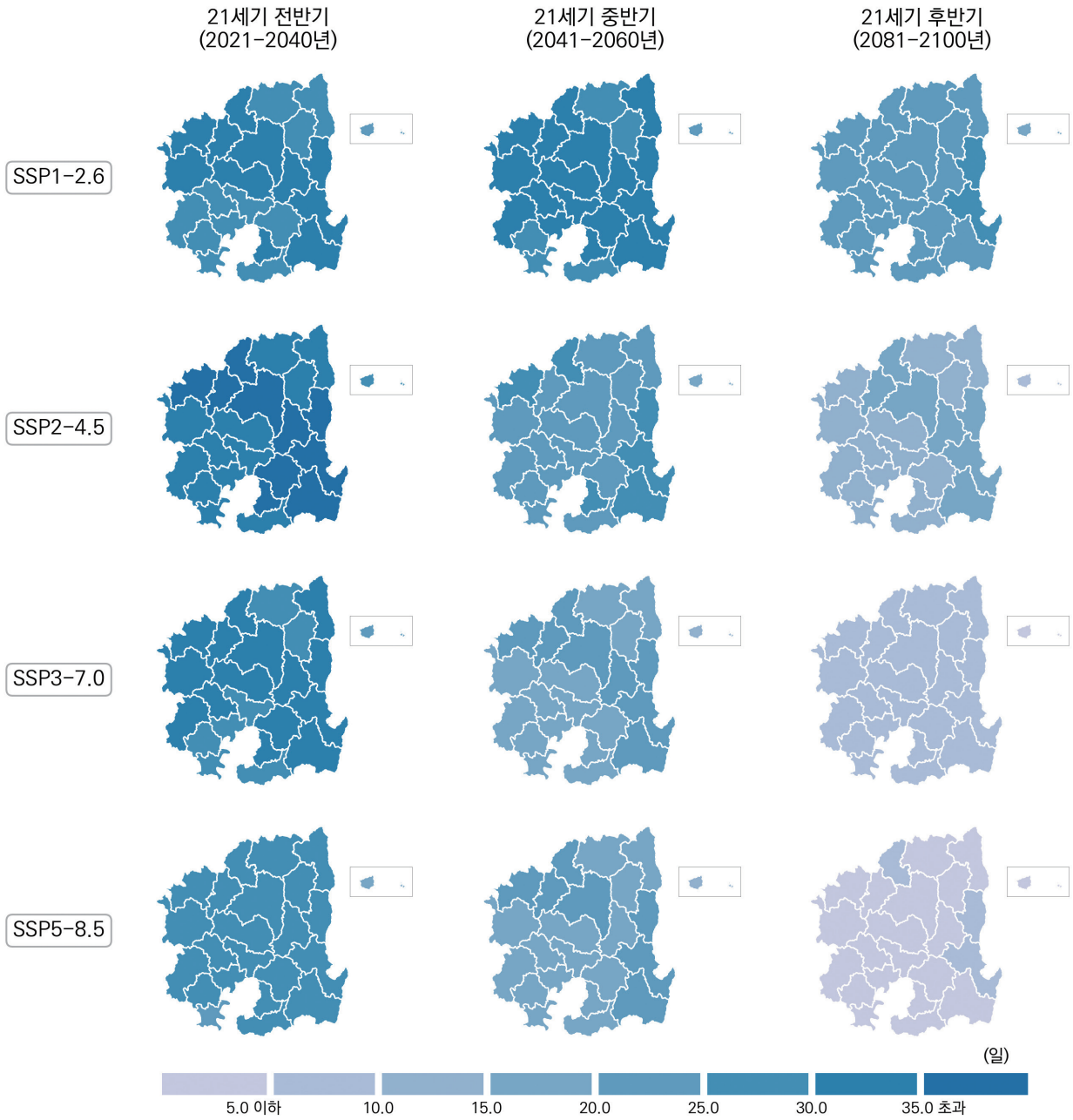


그림 4-31. 경상북도의 한랭야(일) 전망 분포도

표 4-85. 경상북도의 한랭야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	35.2	32.8	26.5	29.3	32.0	26.8	25.3	25.8	21.2	29.7	30.6	23.5
		-2.4	-8.7	-5.9	-3.2	-8.4	-9.9	-9.4	-14.0	-5.5	-4.6	-11.7
경산시	34.9	33.6	26.6	30.2	32.7	27.6	25.4	26.4	21.7	30.1	31.4	24.1
		-1.3	-8.3	-4.7	-2.2	-7.3	-9.5	-8.5	-13.2	-4.8	-3.5	-10.8
경주시	35.2	33.4	27.4	30.5	33.3	28.3	26.7	26.8	22.5	30.4	31.9	24.7
		-1.8	-7.8	-4.7	-1.9	-6.9	-8.5	-8.4	-12.7	-4.8	-3.3	-10.5
고령군	35.2	31.5	24.5	28.1	29.6	25.4	23.1	23.6	19.6	28.0	28.9	21.6
		-3.7	-10.7	-7.1	-5.6	-9.8	-12.1	-11.6	-15.6	-7.2	-6.3	-13.6
구미시	35.4	33.2	26.5	29.3	31.8	26.4	24.3	25.2	20.6	29.9	30.6	22.9
		-2.2	-8.9	-6.1	-3.6	-9.0	-11.1	-10.2	-14.8	-5.5	-4.8	-12.5
군위군	35.0	32.9	26.0	29.4	31.4	26.4	24.7	25.5	20.6	29.5	30.4	23.0
		-2.1	-9.0	-5.6	-3.6	-8.6	-10.3	-9.5	-14.4	-5.5	-4.6	-12.0
김천시	34.5	32.7	26.0	29.1	31.4	25.9	24.0	24.9	20.3	29.4	30.2	22.6
		-1.8	-8.5	-5.4	-3.1	-8.6	-10.5	-9.6	-14.2	-5.1	-4.3	-11.9
문경시	35.1	34.3	28.0	30.5	33.3	27.6	26.4	27.1	21.8	31.1	31.9	24.5
		-0.8	-7.1	-4.6	-1.8	-7.5	-8.7	-8.0	-13.3	-4.0	-3.2	-10.6
봉화군	34.9	31.7	25.7	28.2	31.4	26.2	25.9	26.0	21.3	28.7	29.8	23.6
		-3.2	-9.2	-6.7	-3.5	-8.7	-9.0	-8.9	-13.6	-6.2	-5.1	-11.3
상주시	34.8	33.7	27.2	29.8	32.4	27.1	25.2	26.2	21.0	30.4	31.1	23.6
		-1.1	-7.6	-5.0	-2.4	-7.7	-9.6	-8.6	-13.8	-4.4	-3.7	-11.2
성주군	35.3	31.7	25.1	28.4	30.1	25.2	23.2	24.0	19.8	28.4	29.2	21.9
		-3.6	-10.2	-6.9	-5.2	-10.1	-12.1	-11.3	-15.5	-6.9	-6.1	-13.4
안동시	35.5	33.6	27.1	29.7	32.9	27.6	26.8	27.2	21.8	30.3	31.3	24.5
		-1.9	-8.4	-5.8	-2.6	-7.9	-8.7	-8.3	-13.7	-5.2	-4.2	-11.0
영덕군	35.2	34.2	29.3	31.5	35.2	29.5	28.4	28.6	23.7	31.7	33.3	26.1
		-1.0	-5.9	-3.7	+0.0	-5.7	-6.8	-6.6	-11.5	-3.5	-1.9	-9.1
영양군	35.3	31.6	25.6	27.8	31.1	26.0	25.5	25.7	21.0	28.6	29.5	23.4
		-3.7	-9.7	-7.5	-4.2	-9.3	-9.8	-9.6	-14.3	-6.7	-5.8	-11.9
영주시	35.0	33.7	27.3	29.9	33.2	27.6	27.4	27.7	22.4	30.5	31.5	25.0
		-1.3	-7.7	-5.1	-1.8	-7.4	-7.6	-7.3	-12.6	-4.5	-3.5	-10.0
영천시	35.0	33.2	26.8	30.0	32.3	27.6	25.4	26.4	21.6	30.0	31.2	24.0
		-1.8	-8.2	-5.0	-2.7	-7.4	-9.6	-8.6	-13.4	-5.0	-3.8	-11.0
예천군	35.0	34.0	27.7	30.1	33.2	27.5	26.8	27.1	22.0	30.8	31.7	24.6
		-1.0	-7.3	-4.9	-1.8	-7.5	-8.2	-7.9	-13.0	-4.2	-3.3	-10.4
울릉군	36.4	26.5	21.1	21.8	23.4	19.8	16.4	17.2	14.8	23.8	22.6	16.0
		-9.9	-15.3	-14.6	-13.0	-16.6	-20.0	-19.2	-21.6	-12.6	-13.8	-20.4
울진군	35.8	31.6	27.3	28.7	32.2	27.0	26.1	26.3	22.2	29.4	30.4	24.2
		-4.2	-8.5	-7.1	-3.6	-8.8	-9.7	-9.5	-13.6	-6.4	-5.4	-11.6
의성군	35.2	33.5	26.7	29.6	32.0	27.1	25.5	26.1	21.0	30.1	30.8	23.5
		-1.7	-8.5	-5.6	-3.2	-8.1	-9.7	-9.1	-14.2	-5.1	-4.4	-11.7
청도군	35.4	32.3	25.1	29.1	30.7	26.5	24.4	24.7	20.6	28.7	29.9	22.6
		-3.1	-10.3	-6.3	-4.7	-8.9	-11.0	-10.7	-14.8	-6.7	-5.5	-12.8
청송군	36.3	33.3	27.1	29.8	32.9	27.6	26.5	27.1	22.1	30.2	31.3	24.6
		-3.0	-9.2	-6.5	-3.4	-8.7	-9.8	-9.2	-14.2	-6.1	-5.0	-11.7
칠곡군	34.7	32.7	26.0	29.0	31.4	26.0	23.9	24.8	20.4	29.3	30.2	22.6
		-2.0	-8.7	-5.7	-3.3	-8.7	-10.8	-9.9	-14.3	-5.4	-4.5	-12.1
포항시	35.3	33.8	28.3	31.0	34.5	29.0	27.6	27.7	23.2	31.0	32.7	25.4
		-1.5	-7.0	-4.3	-0.8	-6.3	-7.7	-7.6	-12.1	-4.3	-2.6	-9.9

표 4-86. 경상북도의 한랭야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	35.2	32.4	36.7	24.3	24.3	18.1	21.5	12.9	15.6	34.5	24.3	14.2
		-2.8	+1.5	-10.9	-10.9	-17.1	-13.7	-22.3	-19.6	-0.7	-10.9	-21.0
경산시	34.9	33.1	37.3	25.6	25.5	19.1	22.2	13.5	16.3	35.2	25.5	14.9
		-1.8	+2.4	-9.3	-9.4	-15.8	-12.7	-21.4	-18.6	+0.3	-9.4	-20.0
경주시	35.2	33.9	38.2	25.4	25.7	19.8	22.7	14.1	16.5	36.0	25.6	15.3
		-1.3	+3.0	-9.8	-9.5	-15.4	-12.5	-21.1	-18.7	+0.8	-9.6	-19.9
고령군	35.2	30.8	34.9	23.4	22.7	16.9	19.2	11.3	13.7	32.8	23.1	12.5
		-4.4	-0.3	-11.8	-12.5	-18.3	-16.0	-23.9	-21.5	-2.4	-12.1	-22.7
구미시	35.4	32.4	36.3	24.5	24.0	17.7	20.9	11.9	15.3	34.3	24.2	13.6
		-3.0	+0.9	-10.9	-11.4	-17.7	-14.5	-23.5	-20.1	-1.1	-11.2	-21.8
군위군	35.0	32.0	35.9	24.2	24.0	17.8	20.8	12.2	15.6	33.9	24.1	13.9
		-3.0	+0.9	-10.8	-11.0	-17.2	-14.2	-22.8	-19.4	-1.1	-10.9	-21.1
김천시	34.5	32.1	36.3	24.6	23.5	17.7	20.7	11.8	15.2	34.2	24.0	13.5
		-2.4	+1.8	-9.9	-11.0	-16.8	-13.8	-22.7	-19.3	-0.3	-10.5	-21.0
문경시	35.1	33.3	37.5	25.1	25.0	18.1	22.4	13.3	16.6	35.4	25.1	15.0
		-1.8	+2.4	-10.0	-10.1	-17.0	-12.7	-21.8	-18.5	+0.3	-10.0	-20.1
봉화군	34.9	31.2	35.9	23.5	23.8	17.9	21.4	13.6	15.9	33.6	23.6	14.8
		-3.7	+1.0	-11.4	-11.1	-17.0	-13.5	-21.3	-19.0	-1.3	-11.3	-20.1
상주시	34.8	32.7	36.8	24.8	24.3	17.7	21.4	12.5	15.7	34.7	24.5	14.1
		-2.1	+2.0	-10.0	-10.5	-17.1	-13.4	-22.3	-19.1	-0.1	-10.3	-20.7
성주군	35.3	31.0	35.2	23.7	23.0	17.1	19.7	11.4	14.4	33.1	23.4	12.9
		-4.3	-0.1	-11.6	-12.3	-18.2	-15.6	-23.9	-20.9	-2.2	-11.9	-22.4
안동시	35.5	33.0	37.2	24.9	24.7	18.7	22.6	13.5	17.0	35.1	24.8	15.2
		-2.5	+1.7	-10.6	-10.8	-16.8	-12.9	-22.0	-18.5	-0.4	-10.7	-20.3
영덕군	35.2	35.0	39.7	26.0	26.9	20.3	24.2	14.9	17.4	37.3	26.5	16.1
		-0.2	+4.5	-9.2	-8.3	-14.9	-11.0	-20.3	-17.8	+2.1	-8.7	-19.1
영양군	35.3	31.0	35.9	23.0	23.4	18.1	21.8	13.0	15.7	33.5	23.2	14.3
		-4.3	+0.6	-12.3	-11.9	-17.2	-13.5	-22.3	-19.6	-1.8	-12.1	-21.0
영주시	35.0	33.1	37.7	25.1	25.2	18.9	23.1	14.2	17.5	35.4	25.2	15.8
		-1.9	+2.7	-9.9	-9.8	-16.1	-11.9	-20.8	-17.5	+0.4	-9.8	-19.2
영천시	35.0	33.3	37.5	24.9	25.1	18.9	21.9	13.3	16.2	35.4	25.0	14.8
		-1.7	+2.5	-10.1	-9.9	-16.1	-13.1	-21.7	-18.8	+0.4	-10.0	-20.2
예천군	35.0	33.3	37.4	25.1	24.9	18.4	22.7	13.4	16.8	35.4	25.0	15.1
		-1.7	+2.4	-9.9	-10.1	-16.6	-12.3	-21.6	-18.2	+0.4	-10.0	-19.9
울릉군	36.4	26.4	29.7	16.1	17.7	10.4	12.7	6.9	6.6	28.1	16.9	6.7
		-10.0	-6.7	-20.3	-18.7	-26.0	-23.7	-29.5	-29.8	-8.3	-19.5	-29.7
울진군	35.8	32.6	37.3	23.7	24.6	18.1	22.3	13.6	15.2	34.9	24.2	14.4
		-3.2	+1.5	-12.1	-11.2	-17.7	-13.5	-22.2	-20.6	-0.9	-11.6	-21.4
의성군	35.2	32.3	36.3	24.5	24.1	17.9	21.6	12.5	16.0	34.3	24.3	14.3
		-2.9	+1.1	-10.7	-11.1	-17.3	-13.6	-22.7	-19.2	-0.9	-10.9	-20.9
청도군	35.4	31.7	35.7	24.4	24.1	18.3	20.5	12.9	15.1	33.7	24.2	14.0
		-3.7	+0.3	-11.0	-11.3	-17.1	-14.9	-22.5	-20.3	-1.7	-11.2	-21.4
청송군	36.3	32.9	37.7	24.8	24.9	19.0	22.9	13.7	17.0	35.3	24.9	15.4
		-3.4	+1.4	-11.5	-11.4	-17.3	-13.4	-22.6	-19.3	-1.0	-11.4	-20.9
칠곡군	34.7	31.9	35.9	24.3	23.9	17.6	20.6	11.7	15.1	33.9	24.1	13.4
		-2.8	+1.2	-10.4	-10.8	-17.1	-14.1	-23.0	-19.6	-0.8	-10.6	-21.3
포항시	35.3	34.3	38.9	25.8	26.6	19.9	23.9	14.6	17.0	36.6	26.2	15.8
		-1.0	+3.6	-9.5	-8.7	-15.4	-11.4	-20.7	-18.3	+1.3	-9.1	-19.5

표 4-87. 경상북도의 한랭야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	35.2	33.6	27.2	21.5	17.3	15.2	14.1	8.6	4.9	30.4	19.4	6.7
		-1.6	-8.0	-13.7	-17.9	-20.0	-21.1	-26.6	-30.3	-4.8	-15.8	-28.5
경산시	34.9	34.5	28.4	22.3	17.7	15.4	14.3	8.9	5.0	31.4	20.0	7.0
		-0.4	-6.5	-12.6	-17.2	-19.5	-20.6	-26.0	-29.9	-3.5	-14.9	-27.9
경주시	35.2	34.4	28.5	22.3	18.2	16.2	15.3	9.5	5.5	31.4	20.3	7.5
		-0.8	-6.7	-12.9	-17.0	-19.0	-19.9	-25.7	-29.7	-3.8	-14.9	-27.7
고령군	35.2	32.0	25.8	20.2	15.5	13.0	12.0	6.9	3.3	28.9	17.8	5.1
		-3.2	-9.4	-15.0	-19.7	-22.2	-23.2	-28.3	-31.9	-6.3	-17.4	-30.1
구미시	35.4	33.7	27.4	21.9	16.7	14.4	13.4	7.6	4.2	30.5	19.3	5.9
		-1.7	-8.0	-13.5	-18.7	-21.0	-22.0	-27.8	-31.2	-4.9	-16.1	-29.5
군위군	35.0	33.2	26.8	21.6	16.8	14.8	13.6	8.2	4.7	30.0	19.2	6.5
		-1.8	-8.2	-13.4	-18.2	-20.2	-21.4	-26.8	-30.3	-5.0	-15.8	-28.5
김천시	34.5	33.6	27.3	21.5	16.5	14.1	13.2	7.3	3.9	30.4	19.0	5.6
		-0.9	-7.2	-13.0	-18.0	-20.4	-21.3	-27.2	-30.6	-4.1	-15.5	-28.9
문경시	35.1	35.3	28.3	22.9	18.0	16.2	14.7	8.8	5.1	31.8	20.5	6.9
		+0.2	-6.8	-12.2	-17.1	-18.9	-20.4	-26.3	-30.0	-3.3	-14.6	-28.2
봉화군	34.9	32.3	25.8	20.6	17.6	15.8	14.5	9.7	5.8	29.1	19.1	7.7
		-2.6	-9.1	-14.3	-17.3	-19.1	-20.4	-25.2	-29.1	-5.8	-15.8	-27.2
상주시	34.8	34.5	27.7	22.2	17.4	15.3	13.6	7.7	4.2	31.1	19.8	6.0
		-0.3	-7.1	-12.6	-17.4	-19.5	-21.2	-27.1	-30.6	-3.7	-15.0	-28.8
성주군	35.3	32.3	26.1	20.6	15.8	13.2	12.5	6.9	3.5	29.2	18.2	5.2
		-3.0	-9.2	-14.7	-19.5	-22.1	-22.8	-28.4	-31.8	-6.1	-17.1	-30.1
안동시	35.5	34.0	27.6	22.4	17.9	16.4	14.8	9.6	5.7	30.8	20.1	7.6
		-1.5	-7.9	-13.1	-17.6	-19.1	-20.7	-25.9	-29.8	-4.7	-15.4	-27.9
영덕군	35.2	35.9	29.0	22.8	20.0	17.5	16.9	10.3	6.2	32.4	21.4	8.3
		+0.7	-6.2	-12.4	-15.2	-17.7	-18.3	-24.9	-29.0	-2.8	-13.8	-26.9
영양군	35.3	32.1	25.7	20.4	17.3	15.0	14.4	9.1	5.5	28.9	18.9	7.3
		-3.2	-9.6	-14.9	-18.0	-20.3	-20.9	-26.2	-29.8	-6.4	-16.4	-28.0
영주시	35.0	34.7	27.9	22.5	18.7	17.2	15.5	10.3	6.1	31.3	20.6	8.2
		-0.3	-7.1	-12.5	-16.3	-17.8	-19.5	-24.7	-28.9	-3.7	-14.4	-26.8
영천시	35.0	34.0	28.1	22.1	17.6	15.4	14.4	8.8	5.2	31.1	19.8	7.0
		-1.0	-6.9	-12.9	-17.4	-19.6	-20.6	-26.2	-29.8	-3.9	-15.2	-28.0
예천군	35.0	34.9	28.2	22.7	17.8	16.5	15.0	9.3	5.3	31.5	20.3	7.3
		-0.1	-6.8	-12.3	-17.2	-18.5	-20.0	-25.7	-29.7	-3.5	-14.7	-27.7
울릉군	36.4	27.1	20.1	13.7	11.4	7.6	6.8	2.9	1.0	23.6	12.6	1.9
		-9.3	-16.3	-22.7	-25.0	-28.8	-29.6	-33.5	-35.4	-12.8	-23.8	-34.5
울진군	35.8	34.0	26.3	20.4	18.3	15.7	14.5	9.3	5.3	30.1	19.4	7.3
		-1.8	-9.5	-15.4	-17.5	-20.1	-21.3	-26.5	-30.5	-5.7	-16.4	-28.5
의성군	35.2	33.5	27.3	21.9	17.2	15.2	13.9	8.6	4.9	30.4	19.6	6.8
		-1.7	-7.9	-13.3	-18.0	-20.0	-21.3	-26.6	-30.3	-4.8	-15.6	-28.4
청도군	35.4	32.4	26.7	21.3	16.7	14.4	13.2	8.6	4.5	29.5	19.0	6.5
		-3.0	-8.7	-14.1	-18.7	-21.0	-22.2	-26.8	-30.9	-5.9	-16.4	-28.9
청송군	36.3	34.2	28.0	22.2	18.2	16.1	15.3	9.8	6.0	31.1	20.2	7.9
		-2.1	-8.3	-14.1	-18.1	-20.2	-21.0	-26.5	-30.3	-5.2	-16.1	-28.4
칠곡군	34.7	33.1	27.0	21.5	16.4	14.0	13.1	7.5	3.9	30.0	18.9	5.7
		-1.6	-7.7	-13.2	-18.3	-20.7	-21.6	-27.2	-30.8	-4.7	-15.8	-29.0
포항시	35.3	35.3	29.0	23.0	19.1	17.2	16.3	10.2	6.1	32.1	21.0	8.2
		+0.0	-6.3	-12.3	-16.2	-18.1	-19.0	-25.1	-29.2	-3.2	-14.3	-27.1

표 4-88. 경상북도의 한랭야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	35.2	29.6	23.0	20.6	17.8	10.2	10.1	5.2	2.6	26.3	19.2	3.9
		-5.6	-12.2	-14.6	-17.4	-25.0	-25.1	-30.0	-32.6	-8.9	-16.0	-31.3
경산시	34.9	30.4	23.5	20.9	18.2	10.6	10.4	5.3	2.7	27.0	19.5	4.0
		-4.5	-11.4	-14.0	-16.7	-24.3	-24.5	-29.6	-32.2	-7.9	-15.4	-30.9
경주시	35.2	30.8	24.2	21.7	18.8	11.1	11.1	6.3	3.2	27.5	20.3	4.7
		-4.4	-11.0	-13.5	-16.4	-24.1	-24.1	-28.9	-32.0	-7.7	-14.9	-30.5
고령군	35.2	28.4	21.2	18.9	16.3	8.9	8.1	3.4	1.5	24.8	17.6	2.4
		-6.8	-14.0	-16.3	-18.9	-26.3	-27.1	-31.8	-33.7	-10.4	-17.6	-32.8
구미시	35.4	30.1	22.7	20.3	17.2	9.8	9.1	3.9	2.0	26.4	18.7	2.9
		-5.3	-12.7	-15.1	-18.2	-25.6	-26.3	-31.5	-33.4	-9.0	-16.7	-32.5
군위군	35.0	29.8	22.7	20.0	17.6	9.7	9.6	4.5	2.1	26.2	18.8	3.3
		-5.2	-12.3	-15.0	-17.4	-25.3	-25.4	-30.5	-32.9	-8.8	-16.2	-31.7
김천시	34.5	30.0	22.6	20.3	17.1	9.8	8.9	3.9	1.9	26.3	18.7	2.9
		-4.5	-11.9	-14.2	-17.4	-24.7	-25.6	-30.6	-32.6	-8.2	-15.8	-31.6
문경시	35.1	31.0	24.1	21.7	18.6	10.7	10.6	5.0	2.4	27.5	20.1	3.7
		-4.1	-11.0	-13.4	-16.5	-24.4	-24.5	-30.1	-32.7	-7.6	-15.0	-31.4
봉화군	34.9	28.1	22.3	20.1	18.0	10.5	10.7	6.4	3.5	25.2	19.1	4.9
		-6.8	-12.6	-14.8	-16.9	-24.4	-24.2	-28.5	-31.4	-9.7	-15.8	-30.0
상주시	34.8	30.6	23.5	20.8	17.8	10.1	9.6	4.1	2.0	27.1	19.3	3.1
		-4.2	-11.3	-14.0	-17.0	-24.7	-25.2	-30.7	-32.8	-7.7	-15.5	-31.7
성주군	35.3	28.9	21.4	19.3	16.2	9.2	8.3	3.5	1.7	25.1	17.7	2.6
		-6.4	-13.9	-16.0	-19.1	-26.1	-27.0	-31.8	-33.6	-10.2	-17.6	-32.7
안동시	35.5	30.3	23.5	21.3	18.8	10.7	11.2	6.0	3.1	26.9	20.1	4.5
		-5.2	-12.0	-14.2	-16.7	-24.8	-24.3	-29.5	-32.4	-8.6	-15.4	-31.0
영덕군	35.2	31.1	25.7	23.4	20.2	12.2	12.8	7.0	3.9	28.4	21.8	5.5
		-4.1	-9.5	-11.8	-15.0	-23.0	-22.4	-28.2	-31.3	-6.8	-13.4	-29.7
영양군	35.3	28.2	22.1	19.9	17.4	10.3	10.9	6.0	2.9	25.2	18.6	4.5
		-7.1	-13.2	-15.4	-17.9	-25.0	-24.4	-29.3	-32.4	-10.1	-16.7	-30.8
영주시	35.0	30.3	24.3	21.7	19.1	11.2	11.7	6.7	3.5	27.3	20.4	5.1
		-4.7	-10.7	-13.3	-15.9	-23.8	-23.3	-28.3	-31.5	-7.7	-14.6	-29.9
영천시	35.0	30.5	23.2	20.9	18.1	10.4	10.5	5.5	2.8	26.9	19.5	4.1
		-4.5	-11.8	-14.1	-16.9	-24.6	-24.5	-29.5	-32.2	-8.1	-15.5	-30.9
예천군	35.0	30.8	23.8	21.6	18.6	10.6	10.9	5.3	2.7	27.3	20.1	4.0
		-4.2	-11.2	-13.4	-16.4	-24.4	-24.1	-29.7	-32.3	-7.7	-14.9	-31.0
울릉군	36.4	22.0	17.1	13.9	11.6	5.3	3.6	1.4	0.6	19.5	12.7	1.0
		-14.4	-19.3	-22.5	-24.8	-31.1	-32.8	-35.0	-35.8	-16.9	-23.7	-35.4
울진군	35.8	28.4	23.2	21.3	18.6	10.4	11.2	6.4	3.6	25.8	19.9	5.0
		-7.4	-12.6	-14.5	-17.2	-25.4	-24.6	-29.4	-32.2	-10.0	-15.9	-30.8
의성군	35.2	30.1	23.1	20.4	17.9	10.0	10.0	4.7	2.3	26.6	19.2	3.5
		-5.1	-12.1	-14.8	-17.3	-25.2	-25.2	-30.5	-32.9	-8.6	-16.0	-31.7
청도군	35.4	29.0	22.3	19.9	17.1	9.8	9.6	4.8	2.3	25.6	18.5	3.5
		-6.4	-13.1	-15.5	-18.3	-25.6	-25.8	-30.6	-33.1	-9.8	-16.9	-31.9
청송군	36.3	30.2	23.6	21.2	18.4	11.1	11.5	6.4	3.3	26.9	19.8	4.8
		-6.1	-12.7	-15.1	-17.9	-25.2	-24.8	-29.9	-33.0	-9.4	-16.5	-31.5
칠곡군	34.7	29.8	22.4	20.1	16.9	9.6	8.9	3.9	1.9	26.1	18.5	2.9
		-4.9	-12.3	-14.6	-17.8	-25.1	-25.8	-30.8	-32.8	-8.6	-16.2	-31.8
포항시	35.3	30.7	25.1	22.8	19.7	11.7	11.9	6.8	3.6	27.9	21.2	5.2
		-4.6	-10.2	-12.5	-15.6	-23.6	-23.4	-28.5	-31.7	-7.4	-14.1	-30.1

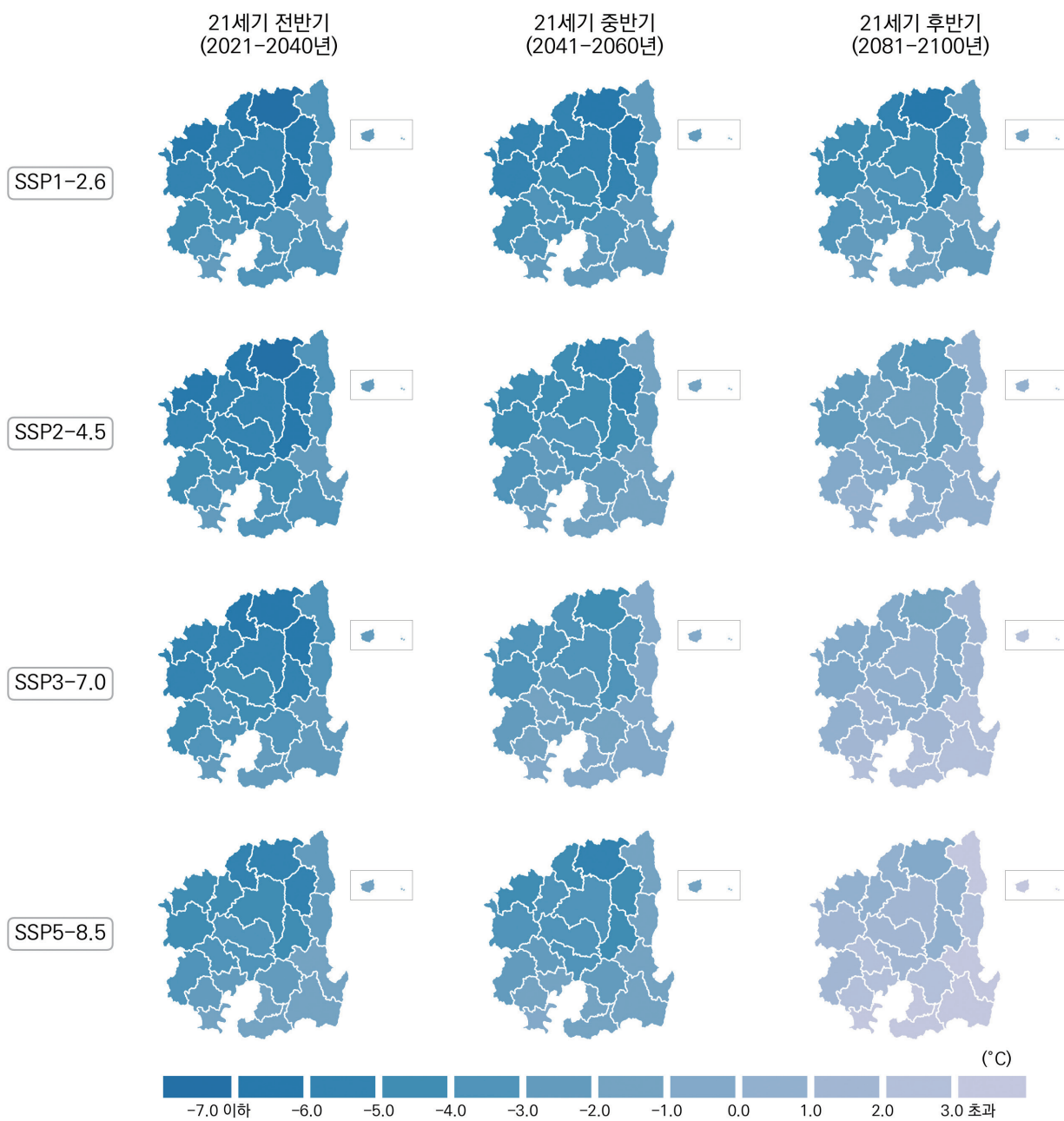


그림 4-32. 경상북도의 일최고기온 연최소(°C) 전망 분포도

표 4-89. 경상북도의 일최고기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	-4.1	-4.7	-4.1	-4.0	-4.0	-3.9	-3.5	-3.0	-3.5	-4.4	-4.0	-3.3
		-0.6	+0.0	+0.1	+0.1	+0.2	+0.6	+1.1	+0.6	-0.3	+0.1	+0.8
경산시	-2.6	-3.1	-2.8	-2.6	-2.7	-2.4	-2.1	-1.6	-2.0	-3.0	-2.7	-1.8
		-0.5	-0.2	+0.0	-0.1	+0.2	+0.5	+1.0	+0.6	-0.4	-0.1	+0.8
경주시	-2.8	-3.2	-2.8	-2.5	-2.6	-2.4	-1.9	-1.7	-2.2	-3.0	-2.5	-2.0
		-0.4	+0.0	+0.3	+0.2	+0.4	+0.9	+1.1	+0.6	-0.2	+0.3	+0.8
고령군	-2.2	-2.9	-2.6	-2.4	-2.6	-2.2	-1.9	-1.5	-1.8	-2.8	-2.5	-1.6
		-0.7	-0.4	-0.2	-0.4	+0.0	+0.3	+0.7	+0.4	-0.6	-0.3	+0.6
구미시	-3.8	-4.5	-4.0	-3.9	-3.8	-3.6	-3.3	-2.8	-3.1	-4.2	-3.8	-2.9
		-0.7	-0.2	-0.1	+0.0	+0.2	+0.5	+1.0	+0.7	-0.4	+0.0	+0.9
군위군	-4.8	-5.3	-4.9	-4.6	-4.7	-4.5	-4.1	-3.6	-4.0	-5.1	-4.7	-3.8
		-0.5	-0.1	+0.2	+0.1	+0.3	+0.7	+1.2	+0.8	-0.3	+0.1	+1.0
김천시	-4.5	-4.9	-4.4	-4.3	-4.2	-4.1	-3.8	-3.3	-3.6	-4.7	-4.3	-3.4
		-0.4	+0.1	+0.2	+0.3	+0.4	+0.7	+1.2	+0.9	-0.2	+0.2	+1.1
문경시	-5.9	-6.4	-5.8	-5.7	-5.6	-5.5	-5.3	-4.7	-5.1	-6.1	-5.7	-4.9
		-0.5	+0.1	+0.2	+0.3	+0.4	+0.6	+1.2	+0.8	-0.2	+0.2	+1.0
봉화군	-6.5	-7.6	-6.7	-6.9	-6.6	-6.9	-6.2	-5.7	-6.5	-7.2	-6.7	-6.1
		-1.1	-0.2	-0.4	-0.1	-0.4	+0.3	+0.8	+0.0	-0.7	-0.2	+0.4
상주시	-5.5	-5.9	-5.4	-5.3	-5.2	-5.0	-4.9	-4.2	-4.6	-5.7	-5.3	-4.4
		-0.4	+0.1	+0.2	+0.3	+0.5	+0.6	+1.3	+0.9	-0.2	+0.2	+1.1
성주군	-3.2	-3.8	-3.4	-3.2	-3.2	-3.0	-2.7	-2.2	-2.5	-3.6	-3.2	-2.4
		-0.6	-0.2	+0.0	+0.0	+0.2	+0.5	+1.0	+0.7	-0.4	+0.0	+0.8
안동시	-4.9	-5.9	-5.3	-5.2	-5.2	-5.3	-4.6	-4.2	-4.7	-5.6	-5.2	-4.5
		-1.0	-0.4	-0.3	-0.3	-0.4	+0.3	+0.7	+0.2	-0.7	-0.3	+0.4
영덕군	-3.2	-3.9	-3.2	-3.2	-3.0	-3.2	-2.5	-2.2	-2.9	-3.5	-3.1	-2.5
		-0.7	+0.0	+0.0	+0.2	+0.0	+0.7	+1.0	+0.3	-0.3	+0.1	+0.7
영양군	-5.9	-7.0	-6.2	-6.2	-6.0	-6.5	-5.5	-5.3	-6.0	-6.6	-6.1	-5.6
		-1.1	-0.3	-0.3	-0.1	-0.6	+0.4	+0.6	-0.1	-0.7	-0.2	+0.3
영주시	-5.7	-6.7	-5.9	-6.0	-5.9	-6.1	-5.5	-4.9	-5.5	-6.3	-5.9	-5.2
		-1.0	-0.2	-0.3	-0.2	-0.4	+0.2	+0.8	+0.2	-0.6	-0.2	+0.5
영천시	-3.7	-4.1	-3.7	-3.5	-3.6	-3.4	-2.9	-2.6	-3.0	-3.9	-3.5	-2.8
		-0.4	+0.0	+0.2	+0.1	+0.3	+0.8	+1.1	+0.7	-0.2	+0.2	+0.9
예천군	-5.2	-6.0	-5.4	-5.3	-5.3	-5.2	-4.8	-4.3	-4.8	-5.7	-5.3	-4.5
		-0.8	-0.2	-0.1	-0.1	+0.0	+0.4	+0.9	+0.4	-0.5	-0.1	+0.7
울릉군	-4.0	-3.0	-1.6	-2.2	-1.8	-2.0	-1.2	-1.0	-1.6	-2.3	-2.0	-1.3
		+1.0	+2.4	+1.8	+2.2	+2.0	+2.8	+3.0	+2.4	+1.7	+2.0	+2.7
울진군	-3.0	-4.0	-2.9	-3.1	-2.7	-3.1	-2.4	-1.8	-2.9	-3.5	-2.9	-2.3
		-1.0	+0.1	-0.1	+0.3	-0.1	+0.6	+1.2	+0.1	-0.5	+0.1	+0.7
의성군	-4.4	-5.2	-4.7	-4.6	-4.6	-4.5	-4.0	-3.5	-4.0	-5.0	-4.6	-3.8
		-0.8	-0.3	-0.2	-0.2	-0.1	+0.4	+0.9	+0.4	-0.6	-0.2	+0.6
청도군	-2.8	-3.2	-2.8	-2.6	-2.7	-2.4	-2.0	-1.7	-2.1	-3.0	-2.7	-1.9
		-0.4	+0.0	+0.2	+0.1	+0.4	+0.8	+1.1	+0.7	-0.2	+0.1	+0.9
청송군	-5.7	-6.5	-5.9	-5.7	-5.7	-5.9	-5.1	-4.8	-5.4	-6.2	-5.7	-5.1
		-0.8	-0.2	+0.0	+0.0	-0.2	+0.6	+0.9	+0.3	-0.5	+0.0	+0.6
칠곡군	-3.6	-4.0	-3.6	-3.4	-3.4	-3.2	-2.9	-2.4	-2.8	-3.8	-3.4	-2.6
		-0.4	+0.0	+0.2	+0.2	+0.4	+0.7	+1.2	+0.8	-0.2	+0.2	+1.0
포항시	-2.3	-3.0	-2.5	-2.2	-2.4	-2.3	-1.7	-1.6	-2.1	-2.8	-2.3	-1.8
		-0.7	-0.2	+0.1	-0.1	+0.0	+0.6	+0.7	+0.2	-0.5	+0.0	+0.5

표 4-90. 경상북도의 일최고기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	-4.1	-4.8	-4.3	-3.3	-2.7	-2.1	-2.6	-0.6	-0.8	-4.5	-3.0	-0.7
		-0.7	-0.2	+0.8	+1.4	+2.0	+1.5	+3.5	+3.3	-0.4	+1.1	+3.4
경산시	-2.6	-3.4	-2.8	-2.1	-1.3	-0.8	-1.2	0.8	0.5	-3.1	-1.7	0.7
		-0.8	-0.2	+0.5	+1.3	+1.8	+1.4	+3.4	+3.1	-0.5	+0.9	+3.3
경주시	-2.8	-3.3	-2.8	-2.0	-1.4	-0.7	-1.1	1.0	0.6	-3.1	-1.7	0.8
		-0.5	+0.0	+0.8	+1.4	+2.1	+1.7	+3.8	+3.4	-0.3	+1.1	+3.6
고령군	-2.2	-3.2	-2.6	-1.9	-1.2	-0.8	-1.0	0.9	0.7	-2.9	-1.5	0.8
		-1.0	-0.4	+0.3	+1.0	+1.4	+1.2	+3.1	+2.9	-0.7	+0.7	+3.0
구미시	-3.8	-4.6	-4.0	-3.1	-2.5	-1.9	-2.4	-0.5	-0.6	-4.3	-2.8	-0.5
		-0.8	-0.2	+0.7	+1.3	+1.9	+1.4	+3.3	+3.2	-0.5	+1.0	+3.3
군위군	-4.8	-5.4	-4.8	-4.0	-3.3	-2.7	-3.2	-1.3	-1.4	-5.1	-3.7	-1.3
		-0.6	+0.0	+0.8	+1.5	+2.1	+1.6	+3.5	+3.4	-0.3	+1.1	+3.5
김천시	-4.5	-5.1	-4.4	-3.6	-3.0	-2.4	-2.8	-0.9	-1.0	-4.7	-3.3	-0.9
		-0.6	+0.1	+0.9	+1.5	+2.1	+1.7	+3.6	+3.5	-0.2	+1.2	+3.6
문경시	-5.9	-6.5	-5.8	-5.0	-4.2	-3.6	-4.3	-2.3	-2.4	-6.2	-4.6	-2.3
		-0.6	+0.1	+0.9	+1.7	+2.3	+1.6	+3.6	+3.5	-0.3	+1.3	+3.6
봉화군	-6.5	-7.4	-7.0	-6.1	-5.3	-4.6	-5.2	-3.1	-3.2	-7.2	-5.7	-3.2
		-0.9	-0.5	+0.4	+1.2	+1.9	+1.3	+3.4	+3.3	-0.7	+0.8	+3.3
상주시	-5.5	-6.1	-5.3	-4.5	-3.9	-3.2	-3.8	-1.9	-2.0	-5.7	-4.2	-2.0
		-0.6	+0.2	+1.0	+1.6	+2.3	+1.7	+3.6	+3.5	-0.2	+1.3	+3.5
성주군	-3.2	-4.1	-3.4	-2.6	-2.0	-1.4	-1.8	0.1	0.0	-3.7	-2.3	0.1
		-0.9	-0.2	+0.6	+1.2	+1.8	+1.4	+3.3	+3.2	-0.5	+0.9	+3.3
안동시	-4.9	-6.0	-5.4	-4.6	-3.8	-3.1	-3.8	-1.8	-1.9	-5.7	-4.2	-1.8
		-1.1	-0.5	+0.3	+1.1	+1.8	+1.1	+3.1	+3.0	-0.8	+0.7	+3.1
영덕군	-3.2	-3.9	-3.4	-2.4	-1.8	-1.1	-1.6	0.4	0.2	-3.7	-2.1	0.3
		-0.7	-0.2	+0.8	+1.4	+2.1	+1.6	+3.6	+3.4	-0.5	+1.1	+3.5
영양군	-5.9	-6.9	-6.5	-5.5	-4.8	-4.1	-4.7	-2.5	-2.7	-6.7	-5.2	-2.6
		-1.0	-0.6	+0.4	+1.1	+1.8	+1.2	+3.4	+3.2	-0.8	+0.7	+3.3
영주시	-5.7	-6.6	-6.2	-5.3	-4.4	-3.8	-4.5	-2.4	-2.5	-6.4	-4.9	-2.5
		-0.9	-0.5	+0.4	+1.3	+1.9	+1.2	+3.3	+3.2	-0.7	+0.8	+3.2
영천시	-3.7	-4.3	-3.7	-2.9	-2.2	-1.6	-2.1	0.0	-0.3	-4.0	-2.6	-0.2
		-0.6	+0.0	+0.8	+1.5	+2.1	+1.6	+3.7	+3.4	-0.3	+1.1	+3.5
예천군	-5.2	-6.1	-5.5	-4.7	-3.8	-3.2	-3.9	-1.9	-2.0	-5.8	-4.2	-1.9
		-0.9	-0.3	+0.5	+1.4	+2.0	+1.3	+3.3	+3.2	-0.6	+1.0	+3.3
울릉군	-4.0	-2.6	-2.9	-0.6	-1.3	-0.6	-1.0	0.7	0.4	-2.8	-1.0	0.5
		+1.4	+1.1	+3.4	+2.7	+3.4	+3.0	+4.7	+4.4	+1.2	+3.0	+4.5
울진군	-3.0	-3.8	-3.4	-2.0	-1.8	-1.1	-1.5	0.5	0.2	-3.6	-1.9	0.4
		-0.8	-0.4	+1.0	+1.2	+1.9	+1.5	+3.5	+3.2	-0.6	+1.1	+3.4
의성군	-4.4	-5.3	-4.7	-3.9	-3.2	-2.6	-3.1	-1.2	-1.3	-5.0	-3.5	-1.3
		-0.9	-0.3	+0.5	+1.2	+1.8	+1.3	+3.2	+3.1	-0.6	+0.9	+3.1
청도군	-2.8	-3.4	-2.8	-2.1	-1.4	-1.0	-1.3	0.8	0.5	-3.1	-1.7	0.7
		-0.6	+0.0	+0.7	+1.4	+1.8	+1.5	+3.6	+3.3	-0.3	+1.1	+3.5
청송군	-5.7	-6.5	-6.0	-5.2	-4.4	-3.8	-4.3	-2.3	-2.5	-6.3	-4.8	-2.4
		-0.8	-0.3	+0.5	+1.3	+1.9	+1.4	+3.4	+3.2	-0.6	+0.9	+3.3
칠곡군	-3.6	-4.2	-3.6	-2.8	-2.1	-1.5	-2.1	-0.1	-0.2	-3.9	-2.5	-0.1
		-0.6	+0.0	+0.8	+1.5	+2.1	+1.5	+3.5	+3.4	-0.3	+1.1	+3.5
포항시	-2.3	-3.2	-2.6	-1.8	-1.2	-0.5	-0.9	1.2	0.8	-2.9	-1.5	1.0
		-0.9	-0.3	+0.5	+1.1	+1.8	+1.4	+3.5	+3.1	-0.6	+0.8	+3.3

표 4-91. 경상북도의 일최고기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	-4.1	-4.0	-4.1	-2.1	-1.8	-0.6	-0.7	0.4	1.8	-4.0	-2.0	1.1
		+0.1	+0.0	+2.0	+2.3	+3.5	+3.4	+4.5	+5.9	+0.1	+2.1	+5.2
경산시	-2.6	-2.5	-2.6	-1.0	-0.5	0.8	0.6	1.8	3.1	-2.6	-0.7	2.4
		+0.1	+0.0	+1.6	+2.1	+3.4	+3.2	+4.4	+5.7	+0.0	+1.9	+5.0
경주시	-2.8	-2.6	-2.7	-0.7	-0.4	0.7	0.8	1.6	3.0	-2.6	-0.6	2.3
		+0.2	+0.1	+2.1	+2.4	+3.5	+3.6	+4.4	+5.8	+0.2	+2.2	+5.1
고령군	-2.2	-2.4	-2.4	-0.9	-0.4	0.9	0.7	2.0	3.2	-2.4	-0.6	2.6
		-0.2	-0.2	+1.3	+1.8	+3.1	+2.9	+4.2	+5.4	-0.2	+1.6	+4.8
구미시	-3.8	-3.8	-3.8	-2.1	-1.7	-0.3	-0.6	0.6	2.0	-3.8	-1.9	1.3
		+0.0	+0.0	+1.7	+2.1	+3.5	+3.2	+4.4	+5.8	+0.0	+1.9	+5.1
군위군	-4.8	-4.6	-4.7	-2.9	-2.5	-1.2	-1.4	-0.2	1.2	-4.6	-2.7	0.5
		+0.2	+0.1	+1.9	+2.3	+3.6	+3.4	+4.6	+6.0	+0.2	+2.1	+5.3
김천시	-4.5	-4.3	-4.3	-2.6	-2.2	-0.8	-1.1	0.2	1.5	-4.3	-2.4	0.9
		+0.2	+0.2	+1.9	+2.3	+3.7	+3.4	+4.7	+6.0	+0.2	+2.1	+5.4
문경시	-5.9	-5.7	-5.7	-3.8	-3.5	-2.1	-2.3	-1.1	0.3	-5.7	-3.7	-0.4
		+0.2	+0.2	+2.1	+2.4	+3.8	+3.6	+4.8	+6.2	+0.2	+2.2	+5.5
봉화군	-6.5	-6.7	-6.8	-4.5	-4.3	-3.3	-3.1	-2.2	-0.5	-6.8	-4.4	-1.3
		-0.2	-0.3	+2.0	+2.2	+3.2	+3.4	+4.3	+6.0	-0.3	+2.1	+5.2
상주시	-5.5	-5.2	-5.2	-3.5	-3.1	-1.7	-2.0	-0.8	0.7	-5.2	-3.3	-0.1
		+0.3	+0.3	+2.0	+2.4	+3.8	+3.5	+4.7	+6.2	+0.3	+2.2	+5.4
성주군	-3.2	-3.2	-3.2	-1.6	-1.1	0.2	-0.1	1.2	2.5	-3.2	-1.4	1.8
		+0.0	+0.0	+1.6	+2.1	+3.4	+3.1	+4.4	+5.7	+0.0	+1.8	+5.0
안동시	-4.9	-5.2	-5.3	-3.2	-3.0	-1.7	-1.7	-0.6	0.9	-5.2	-3.1	0.2
		-0.3	-0.4	+1.7	+1.9	+3.2	+3.2	+4.3	+5.8	-0.3	+1.8	+5.1
영덕군	-3.2	-3.1	-3.3	-0.9	-0.9	0.2	0.4	1.2	2.7	-3.2	-0.9	1.9
		+0.1	-0.1	+2.3	+2.3	+3.4	+3.6	+4.4	+5.9	+0.0	+2.3	+5.1
영양군	-5.9	-6.2	-6.4	-4.0	-3.9	-2.8	-2.6	-1.7	-0.2	-6.3	-3.9	-0.9
		-0.3	-0.5	+1.9	+2.0	+3.1	+3.3	+4.2	+5.7	-0.4	+2.0	+5.0
영주시	-5.7	-6.0	-6.0	-3.8	-3.6	-2.4	-2.4	-1.2	0.3	-6.0	-3.7	-0.5
		-0.3	-0.3	+1.9	+2.1	+3.3	+3.3	+4.5	+6.0	-0.3	+2.0	+5.2
영천시	-3.7	-3.4	-3.6	-1.7	-1.3	-0.1	-0.2	0.9	2.2	-3.5	-1.5	1.6
		+0.3	+0.1	+2.0	+2.4	+3.6	+3.5	+4.6	+5.9	+0.2	+2.2	+5.3
예천군	-5.2	-5.3	-5.3	-3.4	-3.1	-1.7	-1.9	-0.7	0.8	-5.3	-3.2	0.0
		-0.1	-0.1	+1.8	+2.1	+3.5	+3.3	+4.5	+6.0	-0.1	+2.0	+5.2
울릉군	-4.0	-2.0	-2.0	-0.1	-0.1	0.9	0.8	1.6	2.9	-2.0	-0.1	2.3
		+2.0	+2.0	+3.9	+3.9	+4.9	+4.8	+5.6	+6.9	+2.0	+3.9	+6.3
울진군	-3.0	-3.0	-3.1	-0.6	-0.6	0.3	0.3	1.2	2.8	-3.0	-0.6	2.0
		+0.0	-0.1	+2.4	+2.4	+3.3	+3.3	+4.2	+5.8	+0.0	+2.4	+5.0
의성군	-4.4	-4.5	-4.6	-2.7	-2.4	-1.0	-1.2	0.0	1.4	-4.6	-2.6	0.7
		-0.1	-0.2	+1.7	+2.0	+3.4	+3.2	+4.4	+5.8	-0.2	+1.8	+5.1
청도군	-2.8	-2.6	-2.6	-1.0	-0.5	0.7	0.5	1.7	3.0	-2.6	-0.8	2.3
		+0.2	+0.2	+1.8	+2.3	+3.5	+3.3	+4.5	+5.8	+0.2	+2.0	+5.1
청송군	-5.7	-5.8	-5.9	-3.8	-3.5	-2.4	-2.2	-1.3	0.1	-5.9	-3.7	-0.6
		-0.1	-0.2	+1.9	+2.2	+3.3	+3.5	+4.4	+5.8	-0.2	+2.0	+5.1
칠곡군	-3.6	-3.4	-3.4	-1.7	-1.3	0.0	-0.3	1.0	2.3	-3.4	-1.5	1.7
		+0.2	+0.2	+1.9	+2.3	+3.6	+3.3	+4.6	+5.9	+0.2	+2.1	+5.3
포항시	-2.3	-2.4	-2.5	-0.5	-0.2	1.0	1.0	1.8	3.3	-2.5	-0.3	2.6
		-0.1	-0.2	+1.8	+2.1	+3.3	+3.3	+4.1	+5.6	-0.2	+2.0	+4.9

표 4-92. 경상북도의 일최고기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	-4.1	-3.1	-3.2	-2.7	-2.6	-0.9	-0.1	1.6	2.7	-3.2	-2.6	2.1
		+1.0	+0.9	+1.4	+1.5	+3.2	+4.0	+5.7	+6.8	+0.9	+1.5	+6.2
경산시	-2.6	-1.8	-1.8	-1.2	-1.2	0.4	1.1	2.9	4.1	-1.8	-1.2	3.5
		+0.8	+0.8	+1.4	+1.4	+3.0	+3.7	+5.5	+6.7	+0.8	+1.4	+6.1
경주시	-2.8	-1.7	-1.7	-1.4	-1.2	0.4	1.2	2.7	3.9	-1.7	-1.3	3.3
		+1.1	+1.1	+1.4	+1.6	+3.2	+4.0	+5.5	+6.7	+1.1	+1.5	+6.1
고령군	-2.2	-1.7	-1.8	-0.9	-0.9	0.5	1.2	3.2	4.3	-1.7	-0.9	3.7
		+0.5	+0.4	+1.3	+1.3	+2.7	+3.4	+5.4	+6.5	+0.5	+1.3	+5.9
구미시	-3.8	-3.0	-3.0	-2.3	-2.2	-0.7	0.0	1.9	3.0	-3.0	-2.3	2.4
		+0.8	+0.8	+1.5	+1.6	+3.1	+3.8	+5.7	+6.8	+0.8	+1.5	+6.2
군위군	-4.8	-3.8	-3.9	-3.2	-3.2	-1.5	-0.7	1.0	2.1	-3.8	-3.2	1.6
		+1.0	+0.9	+1.6	+1.6	+3.3	+4.1	+5.8	+6.9	+1.0	+1.6	+6.4
김천시	-4.5	-3.5	-3.5	-2.7	-2.7	-1.2	-0.5	1.4	2.6	-3.5	-2.7	2.0
		+1.0	+1.0	+1.8	+1.8	+3.3	+4.0	+5.9	+7.1	+1.0	+1.8	+6.5
문경시	-5.9	-4.9	-4.9	-4.2	-4.1	-2.5	-1.7	0.1	1.1	-4.9	-4.2	0.6
		+1.0	+1.0	+1.7	+1.8	+3.4	+4.2	+6.0	+7.0	+1.0	+1.7	+6.5
봉화군	-6.5	-5.6	-5.9	-5.4	-5.2	-3.5	-2.5	-0.8	0.3	-5.7	-5.3	-0.2
		+0.9	+0.6	+1.1	+1.3	+3.0	+4.0	+5.7	+6.8	+0.8	+1.2	+6.3
상주시	-5.5	-4.5	-4.4	-3.7	-3.7	-2.1	-1.3	0.5	1.6	-4.4	-3.7	1.1
		+1.0	+1.1	+1.8	+1.8	+3.4	+4.2	+6.0	+7.1	+1.1	+1.8	+6.6
성주군	-3.2	-2.5	-2.6	-1.6	-1.7	-0.2	0.5	2.5	3.6	-2.5	-1.7	3.0
		+0.7	+0.6	+1.6	+1.5	+3.0	+3.7	+5.7	+6.8	+0.7	+1.5	+6.2
안동시	-4.9	-4.1	-4.4	-3.7	-3.6	-2.0	-1.1	0.6	1.7	-4.2	-3.7	1.1
		+0.8	+0.5	+1.2	+1.3	+2.9	+3.8	+5.5	+6.6	+0.7	+1.2	+6.0
영덕군	-3.2	-2.1	-2.1	-1.9	-1.7	0.0	0.7	2.3	3.6	-2.1	-1.8	2.9
		+1.1	+1.1	+1.3	+1.5	+3.2	+3.9	+5.5	+6.8	+1.1	+1.4	+6.1
영양군	-5.9	-5.0	-5.3	-4.9	-4.7	-3.0	-2.1	-0.5	0.7	-5.2	-4.8	0.1
		+0.9	+0.6	+1.0	+1.2	+2.9	+3.8	+5.4	+6.6	+0.7	+1.1	+6.0
영주시	-5.7	-4.8	-5.1	-4.5	-4.3	-2.7	-1.7	-0.1	1.0	-5.0	-4.4	0.5
		+0.9	+0.6	+1.2	+1.4	+3.0	+4.0	+5.6	+6.7	+0.7	+1.3	+6.2
영천시	-3.7	-2.6	-2.7	-2.1	-2.1	-0.4	0.3	2.0	3.2	-2.7	-2.1	2.6
		+1.1	+1.0	+1.6	+1.6	+3.3	+4.0	+5.7	+6.9	+1.0	+1.6	+6.3
예천군	-5.2	-4.4	-4.5	-3.9	-3.7	-2.1	-1.2	0.5	1.6	-4.5	-3.8	1.0
		+0.8	+0.7	+1.3	+1.5	+3.1	+4.0	+5.7	+6.8	+0.7	+1.4	+6.2
울릉군	-4.0	-1.7	-1.0	-1.1	-1.0	0.8	1.9	2.7	3.5	-1.3	-1.1	3.1
		+2.3	+3.0	+2.9	+3.0	+4.8	+5.9	+6.7	+7.5	+2.7	+2.9	+7.1
울진군	-3.0	-2.1	-1.8	-1.9	-1.6	0.0	1.0	2.6	3.7	-2.0	-1.8	3.1
		+0.9	+1.2	+1.1	+1.4	+3.0	+4.0	+5.6	+6.7	+1.0	+1.2	+6.1
의성군	-4.4	-3.7	-3.7	-3.1	-3.0	-1.4	-0.6	1.2	2.3	-3.7	-3.1	1.7
		+0.7	+0.7	+1.3	+1.4	+3.0	+3.8	+5.6	+6.7	+0.7	+1.3	+6.1
청도군	-2.8	-1.9	-2.0	-1.2	-1.2	0.3	1.0	2.8	3.9	-1.9	-1.2	3.4
		+0.9	+0.8	+1.6	+1.6	+3.1	+3.8	+5.6	+6.7	+0.9	+1.6	+6.2
청송군	-5.7	-4.7	-4.9	-4.5	-4.3	-2.6	-1.8	-0.2	1.0	-4.8	-4.4	0.4
		+1.0	+0.8	+1.2	+1.4	+3.1	+3.9	+5.5	+6.7	+0.9	+1.3	+6.1
칠곡군	-3.6	-2.6	-2.6	-1.9	-1.9	-0.4	0.4	2.2	3.3	-2.6	-1.9	2.8
		+1.0	+1.0	+1.7	+1.7	+3.2	+4.0	+5.8	+6.9	+1.0	+1.7	+6.4
포항시	-2.3	-1.5	-1.5	-1.1	-1.0	0.6	1.4	2.9	4.2	-1.5	-1.0	3.5
		+0.8	+0.8	+1.2	+1.3	+2.9	+3.7	+5.2	+6.5	+0.8	+1.3	+5.8



그림 4-33. 경상북도의 일최저기온 연최소(°C) 전망 분포도

표 4-93. 경상북도의 일최저기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	-13.9	-14.8	-13.9	-14.2	-14.5	-13.9	-13.5	-13.0	-13.2	-14.3	-14.3	-13.1
		-0.9	+0.0	-0.3	-0.6	+0.0	+0.4	+0.9	+0.7	-0.4	-0.4	+0.8
경산시	-11.4	-12.7	-11.9	-12.1	-12.7	-11.8	-11.5	-11.0	-11.1	-12.3	-12.4	-11.0
		-1.3	-0.5	-0.7	-1.3	-0.4	-0.1	+0.4	+0.3	-0.9	-1.0	+0.4
경주시	-11.1	-12.7	-11.8	-12.1	-12.5	-11.9	-11.5	-11.1	-11.1	-12.3	-12.3	-11.1
		-1.6	-0.7	-1.0	-1.4	-0.8	-0.4	+0.0	+0.0	-1.2	-1.2	+0.0
고령군	-13.1	-14.2	-13.4	-13.6	-13.8	-13.0	-12.8	-12.3	-12.3	-13.8	-13.7	-12.3
		-1.1	-0.3	-0.5	-0.7	+0.1	+0.3	+0.8	+0.8	-0.7	-0.6	+0.8
구미시	-13.3	-14.4	-13.6	-13.9	-14.3	-13.4	-13.2	-12.6	-12.6	-14.0	-14.1	-12.6
		-1.1	-0.3	-0.6	-1.0	-0.1	+0.1	+0.7	+0.7	-0.7	-0.8	+0.7
군위군	-16.0	-16.7	-15.8	-16.1	-16.5	-15.6	-15.5	-14.8	-15.0	-16.3	-16.3	-14.9
		-0.7	+0.2	-0.1	-0.5	+0.4	+0.5	+1.2	+1.0	-0.3	-0.3	+1.1
김천시	-14.2	-15.0	-14.3	-14.7	-14.9	-14.0	-13.9	-13.2	-13.2	-14.7	-14.8	-13.2
		-0.8	-0.1	-0.5	-0.7	+0.2	+0.3	+1.0	+1.0	-0.5	-0.6	+1.0
문경시	-15.3	-16.1	-15.0	-15.4	-15.9	-15.2	-14.9	-14.3	-14.4	-15.6	-15.6	-14.3
		-0.8	+0.3	-0.1	-0.6	+0.1	+0.4	+1.0	+0.9	-0.3	-0.3	+1.0
봉화군	-18.7	-19.2	-18.4	-18.7	-18.9	-18.7	-18.1	-17.4	-18.0	-18.8	-18.8	-17.7
		-0.5	+0.3	+0.0	-0.2	+0.0	+0.6	+1.3	+0.7	-0.1	-0.1	+1.0
상주시	-14.4	-15.2	-14.2	-14.6	-15.1	-14.2	-14.1	-13.4	-13.4	-14.7	-14.9	-13.4
		-0.8	+0.2	-0.2	-0.7	+0.2	+0.3	+1.0	+1.0	-0.3	-0.5	+1.0
성주군	-13.6	-14.7	-14.1	-14.3	-14.5	-13.6	-13.4	-12.9	-12.8	-14.4	-14.4	-12.8
		-1.1	-0.5	-0.7	-0.9	+0.0	+0.2	+0.7	+0.8	-0.8	-0.8	+0.8
안동시	-16.5	-17.2	-16.3	-16.5	-16.9	-16.3	-15.9	-15.3	-15.5	-16.7	-16.7	-15.4
		-0.7	+0.2	+0.0	-0.4	+0.2	+0.6	+1.2	+1.0	-0.2	-0.2	+1.1
영덕군	-11.5	-13.0	-11.9	-12.2	-12.5	-12.3	-11.7	-11.3	-11.4	-12.4	-12.3	-11.4
		-1.5	-0.4	-0.7	-1.0	-0.8	-0.2	+0.2	+0.1	-0.9	-0.8	+0.1
영양군	-17.6	-18.5	-17.5	-17.9	-18.1	-17.8	-17.3	-16.6	-17.1	-18.0	-18.0	-16.9
		-0.9	+0.1	-0.3	-0.5	-0.2	+0.3	+1.0	+0.5	-0.4	-0.4	+0.7
영주시	-17.3	-17.9	-17.2	-17.3	-17.7	-17.4	-16.7	-16.1	-16.5	-17.5	-17.5	-16.3
		-0.6	+0.1	+0.0	-0.4	-0.1	+0.6	+1.2	+0.8	-0.2	-0.2	+1.0
영천시	-13.0	-14.4	-13.5	-13.8	-14.3	-13.5	-13.2	-12.7	-12.8	-13.9	-14.1	-12.7
		-1.4	-0.5	-0.8	-1.3	-0.5	-0.2	+0.3	+0.2	-0.9	-1.1	+0.3
예천군	-15.7	-16.6	-15.7	-15.9	-16.4	-15.8	-15.3	-14.8	-14.9	-16.1	-16.1	-14.8
		-0.9	+0.0	-0.2	-0.7	-0.1	+0.4	+0.9	+0.8	-0.4	-0.4	+0.9
울릉군	-8.6	-7.6	-5.9	-6.6	-6.0	-6.6	-5.5	-5.8	-6.2	-6.8	-6.3	-6.0
		+1.0	+2.7	+2.0	+2.6	+2.0	+3.1	+2.8	+2.4	+1.8	+2.3	+2.6
울진군	-11.8	-13.1	-11.9	-12.3	-12.2	-12.5	-11.5	-11.3	-11.6	-12.5	-12.3	-11.4
		-1.3	-0.1	-0.5	-0.4	-0.7	+0.3	+0.5	+0.2	-0.7	-0.5	+0.4
의성군	-16.1	-16.9	-15.9	-16.3	-16.7	-15.8	-15.6	-15.0	-15.2	-16.4	-16.5	-15.1
		-0.8	+0.2	-0.2	-0.6	+0.3	+0.5	+1.1	+0.9	-0.3	-0.4	+1.0
청도군	-13.3	-14.5	-13.5	-13.9	-14.3	-13.4	-13.2	-12.6	-12.7	-14.0	-14.1	-12.7
		-1.2	-0.2	-0.6	-1.0	-0.1	+0.1	+0.7	+0.6	-0.7	-0.8	+0.6
청송군	-17.3	-18.2	-17.2	-17.6	-18.0	-17.4	-17.0	-16.3	-16.7	-17.7	-17.8	-16.5
		-0.9	+0.1	-0.3	-0.7	-0.1	+0.3	+1.0	+0.6	-0.4	-0.5	+0.8
칠곡군	-12.8	-14.0	-13.2	-13.4	-13.8	-12.9	-12.7	-12.1	-12.2	-13.6	-13.6	-12.1
		-1.2	-0.4	-0.6	-1.0	-0.1	+0.1	+0.7	+0.6	-0.8	-0.8	+0.7
포항시	-10.3	-11.3	-10.4	-10.6	-11.0	-10.6	-10.0	-9.8	-9.7	-10.8	-10.8	-9.8
		-1.0	-0.1	-0.3	-0.7	-0.3	+0.3	+0.5	+0.6	-0.5	-0.5	+0.5

표 4-94. 경상북도의 일최저기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	-13.9	-15.0	-14.7	-13.5	-13.0	-12.1	-12.3	-10.8	-10.8	-14.8	-13.2	-10.8
		-1.1	-0.8	+0.4	+0.9	+1.8	+1.6	+3.1	+3.1	-0.9	+0.7	+3.1
경산시	-11.4	-12.9	-12.7	-11.5	-11.2	-10.2	-10.3	-8.9	-8.9	-12.8	-11.3	-8.9
		-1.5	-1.3	-0.1	+0.2	+1.2	+1.1	+2.5	+2.5	-1.4	+0.1	+2.5
경주시	-11.1	-12.8	-12.7	-11.7	-11.2	-10.3	-10.3	-8.9	-9.0	-12.8	-11.4	-8.9
		-1.7	-1.6	-0.6	-0.1	+0.8	+0.8	+2.2	+2.1	-1.7	-0.3	+2.2
고령군	-13.1	-14.3	-14.0	-12.8	-12.5	-11.5	-11.7	-10.3	-10.2	-14.2	-12.7	-10.2
		-1.2	-0.9	+0.3	+0.6	+1.6	+1.4	+2.8	+2.9	-1.1	+0.4	+2.9
구미시	-13.3	-14.7	-14.3	-13.1	-12.6	-11.7	-11.9	-10.4	-10.5	-14.5	-12.8	-10.4
		-1.4	-1.0	+0.2	+0.7	+1.6	+1.4	+2.9	+2.8	-1.2	+0.5	+2.9
군위군	-16.0	-16.9	-16.6	-15.3	-14.9	-13.9	-14.2	-12.6	-12.7	-16.8	-15.1	-12.6
		-0.9	-0.6	+0.7	+1.1	+2.1	+1.8	+3.4	+3.3	-0.8	+0.9	+3.4
김천시	-14.2	-15.3	-15.0	-13.8	-13.4	-12.3	-12.6	-11.1	-11.1	-15.2	-13.6	-11.1
		-1.1	-0.8	+0.4	+0.8	+1.9	+1.6	+3.1	+3.1	-1.0	+0.6	+3.1
문경시	-15.3	-16.4	-16.0	-14.8	-14.4	-13.2	-13.6	-12.0	-12.1	-16.2	-14.6	-12.0
		-1.1	-0.7	+0.5	+0.9	+2.1	+1.7	+3.3	+3.2	-0.9	+0.7	+3.3
봉화군	-18.7	-19.5	-19.1	-17.9	-17.3	-16.4	-16.6	-15.1	-15.1	-19.3	-17.6	-15.1
		-0.8	-0.4	+0.8	+1.4	+2.3	+2.1	+3.6	+3.6	-0.6	+1.1	+3.6
상주시	-14.4	-15.5	-15.1	-13.9	-13.5	-12.4	-12.7	-11.2	-11.3	-15.3	-13.7	-11.3
		-1.1	-0.7	+0.5	+0.9	+2.0	+1.7	+3.2	+3.1	-0.9	+0.7	+3.1
성주군	-13.6	-14.9	-14.6	-13.4	-13.0	-12.0	-12.2	-10.8	-10.8	-14.8	-13.2	-10.8
		-1.3	-1.0	+0.2	+0.6	+1.6	+1.4	+2.8	+2.8	-1.2	+0.4	+2.8
안동시	-16.5	-17.3	-17.0	-15.8	-15.4	-14.2	-14.6	-13.0	-13.1	-17.2	-15.6	-13.0
		-0.8	-0.5	+0.7	+1.1	+2.3	+1.9	+3.5	+3.4	-0.7	+0.9	+3.5
영덕군	-11.5	-13.0	-12.8	-11.6	-11.1	-10.4	-10.4	-9.1	-8.9	-12.9	-11.3	-9.0
		-1.5	-1.3	-0.1	+0.4	+1.1	+1.1	+2.4	+2.6	-1.4	+0.2	+2.5
영양군	-17.6	-18.6	-18.4	-17.1	-16.5	-15.6	-15.8	-14.3	-14.4	-18.5	-16.8	-14.3
		-1.0	-0.8	+0.5	+1.1	+2.0	+1.8	+3.3	+3.2	-0.9	+0.8	+3.3
영주시	-17.3	-18.2	-17.7	-16.7	-16.1	-15.1	-15.3	-13.9	-13.8	-18.0	-16.4	-13.8
		-0.9	-0.4	+0.6	+1.2	+2.2	+2.0	+3.4	+3.5	-0.7	+0.9	+3.5
영천시	-13.0	-14.6	-14.4	-13.2	-12.8	-11.8	-12.0	-10.5	-10.6	-14.5	-13.0	-10.5
		-1.6	-1.4	-0.2	+0.2	+1.2	+1.0	+2.5	+2.4	-1.5	+0.0	+2.5
예천군	-15.7	-16.9	-16.4	-15.3	-14.9	-13.7	-14.0	-12.5	-12.5	-16.6	-15.1	-12.5
		-1.2	-0.7	+0.4	+0.8	+2.0	+1.7	+3.2	+3.2	-0.9	+0.6	+3.2
울릉군	-8.6	-7.3	-7.0	-5.5	-5.5	-5.2	-5.1	-3.9	-3.7	-7.1	-5.5	-3.8
		+1.3	+1.6	+3.1	+3.1	+3.4	+3.5	+4.7	+4.9	+1.5	+3.1	+4.8
울진군	-11.8	-13.0	-12.8	-11.4	-10.9	-10.4	-10.3	-8.9	-8.8	-12.9	-11.1	-8.9
		-1.2	-1.0	+0.4	+0.9	+1.4	+1.5	+2.9	+3.0	-1.1	+0.7	+2.9
의성군	-16.1	-17.1	-16.8	-15.6	-15.1	-14.0	-14.5	-12.7	-12.9	-16.9	-15.4	-12.8
		-1.0	-0.7	+0.5	+1.0	+2.1	+1.6	+3.4	+3.2	-0.8	+0.7	+3.3
청도군	-13.3	-14.7	-14.4	-13.2	-12.9	-11.8	-12.1	-10.7	-10.7	-14.5	-13.0	-10.7
		-1.4	-1.1	+0.1	+0.4	+1.5	+1.2	+2.6	+2.6	-1.2	+0.3	+2.6
청송군	-17.3	-18.2	-18.1	-16.9	-16.4	-15.3	-15.6	-14.1	-14.2	-18.2	-16.7	-14.1
		-0.9	-0.8	+0.4	+0.9	+2.0	+1.7	+3.2	+3.1	-0.9	+0.6	+3.2
칠곡군	-12.8	-14.2	-13.9	-12.6	-12.2	-11.3	-11.4	-10.0	-10.0	-14.0	-12.4	-10.0
		-1.4	-1.1	+0.2	+0.6	+1.5	+1.4	+2.8	+2.8	-1.2	+0.4	+2.8
포항시	-10.3	-11.4	-11.3	-10.1	-9.7	-8.9	-8.9	-7.4	-7.5	-11.3	-9.9	-7.4
		-1.1	-1.0	+0.2	+0.6	+1.4	+1.4	+2.9	+2.8	-1.0	+0.4	+2.9

표 4-95. 경상북도의 일최저기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	-13.9	-13.7	-14.4	-12.5	-11.8	-10.9	-10.5	-9.4	-8.2	-14.0	-12.1	-8.8
		+0.2	-0.5	+1.4	+2.1	+3.0	+3.4	+4.5	+5.7	-0.1	+1.8	+5.1
경산시	-11.4	-11.6	-12.3	-10.6	-9.7	-8.9	-8.7	-7.4	-6.2	-11.9	-10.1	-6.8
		-0.2	-0.9	+0.8	+1.7	+2.5	+2.7	+4.0	+5.2	-0.5	+1.3	+4.6
경주시	-11.1	-11.7	-12.4	-10.7	-9.8	-8.9	-8.6	-7.5	-6.3	-12.0	-10.2	-6.9
		-0.6	-1.3	+0.4	+1.3	+2.2	+2.5	+3.6	+4.8	-0.9	+0.9	+4.2
고령군	-13.1	-13.1	-13.7	-12.0	-11.1	-10.3	-9.8	-8.7	-7.6	-13.4	-11.6	-8.2
		+0.0	-0.6	+1.1	+2.0	+2.8	+3.3	+4.4	+5.5	-0.3	+1.5	+4.9
구미시	-13.3	-13.3	-14.0	-12.3	-11.4	-10.5	-10.1	-8.9	-7.8	-13.6	-11.8	-8.3
		+0.0	-0.7	+1.0	+1.9	+2.8	+3.2	+4.4	+5.5	-0.3	+1.5	+5.0
군위군	-16.0	-15.6	-16.2	-14.3	-13.6	-12.8	-12.4	-11.1	-10.1	-15.9	-13.9	-10.6
		+0.4	-0.2	+1.7	+2.4	+3.2	+3.6	+4.9	+5.9	+0.1	+2.1	+5.4
김천시	-14.2	-13.9	-14.8	-13.1	-12.1	-11.2	-10.9	-9.6	-8.4	-14.3	-12.6	-9.0
		+0.3	-0.6	+1.1	+2.1	+3.0	+3.3	+4.6	+5.8	-0.1	+1.6	+5.2
문경시	-15.3	-15.1	-15.7	-13.8	-13.0	-12.2	-11.7	-10.5	-9.4	-15.4	-13.4	-9.9
		+0.2	-0.4	+1.5	+2.3	+3.1	+3.6	+4.8	+5.9	-0.1	+1.9	+5.4
봉화군	-18.7	-18.3	-18.8	-16.5	-16.3	-15.4	-14.5	-13.8	-12.5	-18.5	-16.4	-13.1
		+0.4	-0.1	+2.2	+2.4	+3.3	+4.2	+4.9	+6.2	+0.2	+2.3	+5.6
상주시	-14.4	-14.2	-14.9	-13.1	-12.2	-11.3	-10.9	-9.6	-8.5	-14.5	-12.6	-9.1
		+0.2	-0.5	+1.3	+2.2	+3.1	+3.5	+4.8	+5.9	-0.1	+1.8	+5.3
성주군	-13.6	-13.6	-14.3	-12.7	-11.7	-10.8	-10.4	-9.3	-8.1	-14.0	-12.2	-8.7
		+0.0	-0.7	+0.9	+1.9	+2.8	+3.2	+4.3	+5.5	-0.4	+1.4	+4.9
안동시	-16.5	-16.0	-16.5	-14.6	-14.2	-13.3	-12.7	-11.5	-10.5	-16.3	-14.4	-11.0
		+0.5	+0.0	+1.9	+2.3	+3.2	+3.8	+5.0	+6.0	+0.2	+2.1	+5.5
영덕군	-11.5	-12.0	-12.7	-10.5	-10.2	-9.0	-8.5	-7.8	-6.4	-12.4	-10.4	-7.1
		-0.5	-1.2	+1.0	+1.3	+2.5	+3.0	+3.7	+5.1	-0.9	+1.1	+4.4
영양군	-17.6	-17.4	-17.9	-15.8	-15.4	-14.6	-13.9	-13.0	-11.8	-17.6	-15.6	-12.4
		+0.2	-0.3	+1.8	+2.2	+3.0	+3.7	+4.6	+5.8	+0.0	+2.0	+5.2
영주시	-17.3	-16.9	-17.5	-15.4	-15.0	-14.1	-13.4	-12.3	-11.2	-17.2	-15.2	-11.8
		+0.4	-0.2	+1.9	+2.3	+3.2	+3.9	+5.0	+6.1	+0.1	+2.1	+5.5
영천시	-13.0	-13.3	-14.0	-12.3	-11.4	-10.5	-10.3	-9.0	-7.9	-13.6	-11.8	-8.5
		-0.3	-1.0	+0.7	+1.6	+2.5	+2.7	+4.0	+5.1	-0.6	+1.2	+4.5
예천군	-15.7	-15.5	-16.2	-14.2	-13.5	-12.8	-12.1	-10.9	-9.9	-15.9	-13.9	-10.4
		+0.2	-0.5	+1.5	+2.2	+2.9	+3.6	+4.8	+5.8	-0.2	+1.8	+5.3
울릉군	-8.6	-6.5	-7.0	-5.1	-4.6	-3.7	-3.4	-3.1	-1.4	-6.7	-4.8	-2.3
		+2.1	+1.6	+3.5	+4.0	+4.9	+5.2	+5.5	+7.2	+1.9	+3.8	+6.3
울진군	-11.8	-12.1	-12.7	-10.2	-10.2	-9.0	-8.4	-7.9	-6.4	-12.4	-10.2	-7.1
		-0.3	-0.9	+1.6	+1.6	+2.8	+3.4	+3.9	+5.4	-0.6	+1.6	+4.7
의성군	-16.1	-15.7	-16.4	-14.5	-13.9	-13.0	-12.5	-11.3	-10.3	-16.1	-14.2	-10.8
		+0.4	-0.3	+1.6	+2.2	+3.1	+3.6	+4.8	+5.8	+0.0	+1.9	+5.3
청도군	-13.3	-13.4	-14.0	-12.3	-11.4	-10.6	-10.4	-9.3	-8.0	-13.7	-11.8	-8.7
		-0.1	-0.7	+1.0	+1.9	+2.7	+2.9	+4.0	+5.3	-0.4	+1.5	+4.6
청송군	-17.3	-16.9	-17.6	-15.7	-15.2	-14.3	-13.9	-12.6	-11.6	-17.3	-15.4	-12.1
		+0.4	-0.3	+1.6	+2.1	+3.0	+3.4	+4.7	+5.7	+0.0	+1.9	+5.2
칠곡군	-12.8	-12.8	-13.5	-11.9	-10.9	-10.1	-9.7	-8.5	-7.4	-13.2	-11.4	-7.9
		+0.0	-0.7	+0.9	+1.9	+2.7	+3.1	+4.3	+5.4	-0.4	+1.4	+4.9
포항시	-10.3	-10.4	-11.1	-9.1	-8.3	-7.5	-7.1	-6.1	-4.9	-10.7	-8.7	-5.5
		-0.1	-0.8	+1.2	+2.0	+2.8	+3.2	+4.2	+5.4	-0.4	+1.6	+4.8

표 4-96. 경상북도의 일최저기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	-13.9	-13.7	-13.8	-12.6	-12.3	-10.7	-10.0	-8.3	-7.4	-13.7	-12.5	-7.8
		+0.2	+0.1	+1.3	+1.6	+3.2	+3.9	+5.6	+6.5	+0.2	+1.4	+6.1
경산시	-11.4	-11.8	-11.9	-10.6	-10.3	-8.7	-8.1	-6.4	-5.6	-11.8	-10.4	-6.0
		-0.4	-0.5	+0.8	+1.1	+2.7	+3.3	+5.0	+5.8	-0.4	+1.0	+5.4
경주시	-11.1	-11.8	-12.0	-10.8	-10.4	-8.6	-8.0	-6.6	-5.8	-11.9	-10.6	-6.2
		-0.7	-0.9	+0.3	+0.7	+2.5	+3.1	+4.5	+5.3	-0.8	+0.5	+4.9
고령군	-13.1	-13.1	-13.3	-12.0	-11.7	-10.1	-9.5	-7.6	-7.0	-13.2	-11.8	-7.3
		+0.0	-0.2	+1.1	+1.4	+3.0	+3.6	+5.5	+6.1	-0.1	+1.3	+5.8
구미시	-13.3	-13.4	-13.5	-12.1	-11.9	-10.4	-9.7	-7.8	-7.0	-13.5	-12.0	-7.4
		-0.1	-0.2	+1.2	+1.4	+2.9	+3.6	+5.5	+6.3	-0.2	+1.3	+5.9
군위군	-16.0	-15.7	-15.8	-14.4	-14.1	-12.6	-12.0	-10.1	-9.3	-15.7	-14.2	-9.7
		+0.3	+0.2	+1.6	+1.9	+3.4	+4.0	+5.9	+6.7	+0.3	+1.8	+6.3
김천시	-14.2	-14.2	-14.1	-12.8	-12.5	-11.0	-10.3	-8.5	-7.6	-14.1	-12.7	-8.0
		+0.0	+0.1	+1.4	+1.7	+3.2	+3.9	+5.7	+6.6	+0.1	+1.5	+6.2
문경시	-15.3	-15.1	-15.1	-13.6	-13.6	-11.9	-11.2	-9.3	-8.3	-15.1	-13.6	-8.8
		+0.2	+0.2	+1.7	+1.7	+3.4	+4.1	+6.0	+7.0	+0.2	+1.7	+6.5
봉화군	-18.7	-17.9	-18.0	-17.0	-16.7	-15.1	-14.4	-12.4	-11.6	-18.0	-16.8	-12.0
		+0.8	+0.7	+1.7	+2.0	+3.6	+4.3	+6.3	+7.1	+0.7	+1.9	+6.7
상주시	-14.4	-14.3	-14.4	-12.8	-12.6	-11.2	-10.4	-8.5	-7.5	-14.3	-12.7	-8.0
		+0.1	+0.0	+1.6	+1.8	+3.2	+4.0	+5.9	+6.9	+0.1	+1.7	+6.4
성주군	-13.6	-13.7	-13.7	-12.5	-12.2	-10.7	-10.1	-8.1	-7.4	-13.7	-12.3	-7.8
		-0.1	-0.1	+1.1	+1.4	+2.9	+3.5	+5.5	+6.2	-0.1	+1.3	+5.8
안동시	-16.5	-15.9	-16.1	-14.7	-14.7	-13.0	-12.4	-10.4	-9.5	-16.0	-14.7	-9.9
		+0.6	+0.4	+1.8	+1.8	+3.5	+4.1	+6.1	+7.0	+0.5	+1.8	+6.6
영덕군	-11.5	-11.8	-11.9	-11.0	-10.5	-8.9	-8.3	-6.5	-5.6	-11.8	-10.7	-6.1
		-0.3	-0.4	+0.5	+1.0	+2.6	+3.2	+5.0	+5.9	-0.3	+0.8	+5.4
영양군	-17.6	-17.3	-17.3	-16.3	-16.0	-14.3	-13.7	-11.8	-11.0	-17.3	-16.1	-11.4
		+0.3	+0.3	+1.3	+1.6	+3.3	+3.9	+5.8	+6.6	+0.3	+1.5	+6.2
영주시	-17.3	-16.7	-16.9	-15.5	-15.4	-13.7	-13.1	-11.0	-10.1	-16.8	-15.5	-10.6
		+0.6	+0.4	+1.8	+1.9	+3.6	+4.2	+6.3	+7.2	+0.5	+1.8	+6.7
영천시	-13.0	-13.5	-13.6	-12.2	-12.0	-10.4	-9.8	-8.1	-7.3	-13.5	-12.1	-7.7
		-0.5	-0.6	+0.8	+1.0	+2.6	+3.2	+4.9	+5.7	-0.5	+0.9	+5.3
예천군	-15.7	-15.5	-15.6	-14.1	-14.0	-12.4	-11.8	-9.7	-8.8	-15.6	-14.1	-9.3
		+0.2	+0.1	+1.6	+1.7	+3.3	+3.9	+6.0	+6.9	+0.1	+1.6	+6.4
울릉군	-8.6	-6.0	-5.7	-5.9	-5.2	-3.5	-2.6	-1.6	-0.8	-5.8	-5.5	-1.2
		+2.6	+2.9	+2.7	+3.4	+5.1	+6.0	+7.0	+7.8	+2.8	+3.1	+7.4
울진군	-11.8	-11.6	-11.5	-10.9	-10.4	-8.8	-8.1	-6.5	-5.6	-11.6	-10.7	-6.0
		+0.2	+0.3	+0.9	+1.4	+3.0	+3.7	+5.3	+6.2	+0.2	+1.1	+5.8
의성군	-16.1	-15.9	-16.0	-14.5	-14.4	-12.8	-12.1	-10.2	-9.4	-16.0	-14.4	-9.8
		+0.2	+0.1	+1.6	+1.7	+3.3	+4.0	+5.9	+6.7	+0.1	+1.7	+6.3
청도군	-13.3	-13.5	-13.7	-12.4	-12.0	-10.5	-9.8	-8.2	-7.5	-13.6	-12.2	-7.8
		-0.2	-0.4	+0.9	+1.3	+2.8	+3.5	+5.1	+5.8	-0.3	+1.1	+5.5
청송군	-17.3	-17.1	-17.2	-15.9	-15.8	-14.1	-13.5	-11.6	-10.8	-17.1	-15.8	-11.2
		+0.2	+0.1	+1.4	+1.5	+3.2	+3.8	+5.7	+6.5	+0.2	+1.5	+6.1
칠곡군	-12.8	-12.9	-13.1	-11.7	-11.5	-9.9	-9.2	-7.4	-6.7	-13.0	-11.6	-7.0
		-0.1	-0.3	+1.1	+1.3	+2.9	+3.6	+5.4	+6.1	-0.2	+1.2	+5.8
포항시	-10.3	-10.2	-10.5	-9.3	-9.1	-7.2	-6.6	-5.0	-4.3	-10.4	-9.2	-4.7
		+0.1	-0.2	+1.0	+1.2	+3.1	+3.7	+5.3	+6.0	-0.1	+1.1	+5.6

3) 강수 극한기후지수

- SSP 시나리오에 따른 경상북도 호우일수는 현재(2000-2019년, 1.5일) 대비 21세기 중반기에 0.3~0.5일, 21세기 후반기에 0.2~0.8일 증가하고, 강수강도는 현재(14.7mm/일) 대비 21세기 중반기에 0.9~1.7mm/일, 21세기 후반기에 0.9~3.2mm/일 강해질 것으로 전망됨.
 - SSP1-2.6 시나리오에서 경상북도 호우일수는 현재 대비 21세기 중/후반기에 0.3일, 0.2일 증가하고, 강수강도는 21세기 중, 후반기에 0.9mm/일 강해질 것으로 전망됨.
 - SSP2-4.5 시나리오에서 경상북도 호우일수는 현재 대비 21세기 중/후반기에 0.4일, 0.5일 증가하고, 강수강도는 21세기 중/후반기에 1.4mm/일, 2.1mm/일 강해질 것으로 전망됨.
 - SSP3-7.0 시나리오에서 경상북도 호우일수는 현재 대비 21세기 중, 후반기에 0.5일 증가하고, 강수강도는 21세기 중/후반기에 1.7mm/일, 2.4mm/일 강해질 것으로 전망됨.
 - SSP5-8.5 시나리오에서 경상북도 호우일수는 현재 대비 21세기 중/후반기에 0.4일, 0.8일 증가하고, 강수강도는 21세기 중/후반기에 1.4mm/일, 3.2mm/일 강해질 것으로 전망됨.
- SSP5-8.5 시나리오에서 현재 대비 21세기 하반기 경상북도 호우일수 증가폭(+0.8일)은 SSP1-2.6 시나리오에서의 증가폭(+0.2일) 보다 0.6일 크게 나타나며, SSP5-8.5 시나리오에서 21세기 하반기 강수강도 증가폭(+3.2mm/일)은 SSP1-2.6 시나리오에서의 증가폭(+0.9mm/일) 보다 2.3mm/일 크게 나타남.
 - SSP5-8.5에서 21세기 하반기 경상북도 내 호우일수 증가폭이 가장 큰 지역은 영덕군/울릉군/울진군(+1.6일)이며 가장 작은 지역은 성주군(+0.1일)으로 나타남.
 - SSP5-8.5에서 21세기 하반기 경상북도 내 강수강도 증가폭이 가장 큰 지역은 울진군(+5.0mm/일)이며 가장 작은 지역은 김천시/칠곡군(+2.3mm/일)으로 나타남.



그림 4-34. 경상북도의 호우일수(일) 전망 분포도

표 4-97. 경상북도의 호우일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	1.5	1.6	1.9	1.6	1.9	2.1	1.9	1.6	1.8	1.8	1.8	1.7
		+0.1	+0.4	+0.1	+0.4	+0.6	+0.4	+0.1	+0.3	+0.3	+0.3	+0.2
경산시	1.5	1.5	1.8	1.6	1.9	2.1	1.6	1.4	1.8	1.6	1.7	1.6
		+0.0	+0.3	+0.1	+0.4	+0.6	+0.1	-0.1	+0.3	+0.1	+0.2	+0.1
경주시	1.8	1.7	1.9	1.9	2.2	2.4	1.8	1.6	2.0	1.8	2.0	1.8
		-0.1	+0.1	+0.1	+0.4	+0.6	+0.0	-0.2	+0.2	+0.0	+0.2	+0.0
고령군	1.9	2.0	2.0	1.8	2.1	2.2	1.8	1.7	2.0	2.0	1.9	1.9
		+0.1	+0.1	-0.1	+0.2	+0.3	-0.1	-0.2	+0.1	+0.1	+0.0	+0.0
구미시	1.4	1.5	1.7	1.3	1.5	1.7	1.7	1.4	1.6	1.6	1.4	1.5
		+0.1	+0.3	-0.1	+0.1	+0.3	+0.3	+0.0	+0.2	+0.2	+0.0	+0.1
군위군	1.3	1.3	1.6	1.2	1.5	1.7	1.7	1.4	1.5	1.4	1.4	1.5
		+0.0	+0.3	-0.1	+0.2	+0.4	+0.4	+0.1	+0.2	+0.1	+0.1	+0.2
김천시	1.4	1.6	1.8	1.3	1.4	1.8	1.6	1.3	1.6	1.7	1.4	1.4
		+0.2	+0.4	-0.1	+0.0	+0.4	+0.2	-0.1	+0.2	+0.3	+0.0	+0.0
문경시	1.5	1.5	1.7	1.4	2.1	2.0	2.1	1.4	1.6	1.6	1.7	1.5
		+0.0	+0.2	-0.1	+0.6	+0.5	+0.6	-0.1	+0.1	+0.1	+0.2	+0.0
봉화군	1.5	1.5	1.8	1.7	2.0	1.8	1.8	1.7	1.7	1.6	1.8	1.7
		+0.0	+0.3	+0.2	+0.5	+0.3	+0.3	+0.2	+0.2	+0.1	+0.3	+0.2
상주시	1.5	1.4	1.7	1.3	1.7	1.8	2.0	1.3	1.6	1.5	1.5	1.4
		-0.1	+0.2	-0.2	+0.2	+0.3	+0.5	-0.2	+0.1	+0.0	+0.0	-0.1
성주군	1.7	1.7	1.9	1.7	1.9	2.0	1.9	1.6	1.7	1.8	1.8	1.7
		+0.0	+0.2	+0.0	+0.2	+0.3	+0.2	-0.1	+0.0	+0.1	+0.1	+0.0
안동시	1.2	1.2	1.4	1.1	1.6	1.6	1.7	1.3	1.6	1.3	1.4	1.5
		+0.0	+0.2	-0.1	+0.4	+0.4	+0.5	+0.1	+0.4	+0.1	+0.2	+0.3
영덕군	1.4	1.7	1.9	1.6	1.7	2.3	2.0	1.6	2.0	1.8	1.6	1.8
		+0.3	+0.5	+0.2	+0.3	+0.9	+0.6	+0.2	+0.6	+0.4	+0.2	+0.4
영양군	1.4	1.4	1.7	1.5	1.5	2.0	1.9	1.7	1.9	1.6	1.5	1.8
		+0.0	+0.3	+0.1	+0.1	+0.6	+0.5	+0.3	+0.5	+0.2	+0.1	+0.4
영주시	1.5	1.5	2.1	1.8	2.2	1.8	2.0	1.5	1.6	1.8	2.0	1.6
		+0.0	+0.6	+0.3	+0.7	+0.3	+0.5	+0.0	+0.1	+0.3	+0.5	+0.1
영천시	1.4	1.5	1.6	1.3	1.7	1.9	1.5	1.3	1.5	1.5	1.5	1.4
		+0.1	+0.2	-0.1	+0.3	+0.5	+0.1	-0.1	+0.1	+0.1	+0.1	+0.0
예천군	1.3	1.3	1.7	1.5	1.7	1.6	2.0	1.2	1.4	1.5	1.6	1.3
		+0.0	+0.4	+0.2	+0.4	+0.3	+0.7	-0.1	+0.1	+0.2	+0.3	+0.0
울릉군	2.6	2.9	3.3	2.8	3.1	3.7	3.8	3.1	3.2	3.1	2.9	3.1
		+0.3	+0.7	+0.2	+0.5	+1.1	+1.2	+0.5	+0.6	+0.5	+0.3	+0.5
울진군	2.1	2.2	2.5	2.1	2.3	2.7	2.7	2.2	2.6	2.4	2.2	2.4
		+0.1	+0.4	+0.0	+0.2	+0.6	+0.6	+0.1	+0.5	+0.3	+0.1	+0.3
의성군	1.1	1.2	1.4	1.0	1.4	1.4	1.5	1.2	1.4	1.3	1.2	1.3
		+0.1	+0.3	-0.1	+0.3	+0.3	+0.4	+0.1	+0.3	+0.2	+0.1	+0.2
청도군	1.6	1.6	2.0	1.8	2.1	2.5	1.8	1.6	1.9	1.8	2.0	1.7
		+0.0	+0.4	+0.2	+0.5	+0.9	+0.2	+0.0	+0.3	+0.2	+0.4	+0.1
청송군	1.1	1.2	1.4	1.1	1.3	1.6	1.4	1.3	1.6	1.3	1.2	1.4
		+0.1	+0.3	+0.0	+0.2	+0.5	+0.3	+0.2	+0.5	+0.2	+0.1	+0.3
칠곡군	1.6	1.5	1.8	1.5	1.9	1.9	1.9	1.6	1.6	1.7	1.7	1.6
		-0.1	+0.2	-0.1	+0.3	+0.3	+0.3	+0.0	+0.0	+0.1	+0.1	+0.0
포항시	1.8	2.2	2.3	2.1	2.3	2.8	2.2	1.8	2.2	2.2	2.2	2.0
		+0.4	+0.5	+0.3	+0.5	+1.0	+0.4	+0.0	+0.4	+0.4	+0.4	+0.2

표 4-98. 경상북도의 호우일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	1.5	1.6	2.2	1.6	2.1	1.9	2.7	2.1	1.9	1.9	1.9	2.0
		+0.1	+0.7	+0.1	+0.6	+0.4	+1.2	+0.6	+0.4	+0.4	+0.4	+0.5
경산시	1.5	1.5	2.0	1.3	1.6	1.6	2.4	1.8	1.7	1.7	1.4	1.8
		+0.0	+0.5	-0.2	+0.1	+0.1	+0.9	+0.3	+0.2	+0.2	-0.1	+0.3
경주시	1.8	1.7	2.4	1.6	2.1	2.0	2.7	2.2	2.0	2.1	1.9	2.1
		-0.1	+0.6	-0.2	+0.3	+0.2	+0.9	+0.4	+0.2	+0.3	+0.1	+0.3
고령군	1.9	1.7	2.4	1.8	1.9	1.9	2.7	2.1	2.0	2.0	1.8	2.0
		-0.2	+0.5	-0.1	+0.0	+0.0	+0.8	+0.2	+0.1	+0.1	-0.1	+0.1
구미시	1.4	1.2	1.9	1.2	1.7	1.6	2.4	1.7	1.3	1.6	1.5	1.5
		-0.2	+0.5	-0.2	+0.3	+0.2	+1.0	+0.3	-0.1	+0.2	+0.1	+0.1
군위군	1.3	1.3	1.8	1.1	1.7	1.6	2.4	1.8	1.3	1.6	1.4	1.6
		+0.0	+0.5	-0.2	+0.4	+0.3	+1.1	+0.5	+0.0	+0.3	+0.1	+0.3
김천시	1.4	1.3	2.0	1.4	1.6	1.6	2.3	1.6	1.4	1.6	1.5	1.5
		-0.1	+0.6	+0.0	+0.2	+0.2	+0.9	+0.2	+0.0	+0.2	+0.1	+0.1
문경시	1.5	1.7	1.9	2.0	2.2	2.1	2.7	2.0	1.8	1.8	2.1	1.9
		+0.2	+0.4	+0.5	+0.7	+0.6	+1.2	+0.5	+0.3	+0.3	+0.6	+0.4
봉화군	1.5	1.8	2.1	1.8	2.5	1.9	2.7	2.1	2.2	1.9	2.1	2.1
		+0.3	+0.6	+0.3	+1.0	+0.4	+1.2	+0.6	+0.7	+0.4	+0.6	+0.6
상주시	1.5	1.4	1.9	1.7	1.8	1.7	2.3	1.7	1.6	1.6	1.8	1.6
		-0.1	+0.4	+0.2	+0.3	+0.2	+0.8	+0.2	+0.1	+0.1	+0.3	+0.1
성주군	1.7	1.6	2.1	1.5	1.6	1.7	2.7	1.7	1.6	1.9	1.5	1.6
		-0.1	+0.4	-0.2	-0.1	+0.0	+1.0	+0.0	-0.1	+0.2	-0.2	-0.1
안동시	1.2	1.4	1.7	1.4	2.0	1.6	2.5	1.8	1.7	1.6	1.7	1.7
		+0.2	+0.5	+0.2	+0.8	+0.4	+1.3	+0.6	+0.5	+0.4	+0.5	+0.5
영덕군	1.4	1.6	2.3	1.8	2.4	2.0	3.0	2.6	2.4	2.0	2.1	2.5
		+0.2	+0.9	+0.4	+1.0	+0.6	+1.6	+1.2	+1.0	+0.6	+0.7	+1.1
영양군	1.4	1.6	2.0	1.8	2.4	1.8	3.0	2.3	2.2	1.8	2.1	2.3
		+0.2	+0.6	+0.4	+1.0	+0.4	+1.6	+0.9	+0.8	+0.4	+0.7	+0.9
영주시	1.5	1.8	2.1	1.9	2.4	2.1	2.7	2.2	2.1	2.0	2.1	2.1
		+0.3	+0.6	+0.4	+0.9	+0.6	+1.2	+0.7	+0.6	+0.5	+0.6	+0.6
영천시	1.4	1.4	1.8	1.1	1.6	1.7	2.3	1.8	1.7	1.6	1.3	1.8
		+0.0	+0.4	-0.3	+0.2	+0.3	+0.9	+0.4	+0.3	+0.2	-0.1	+0.4
예천군	1.3	1.6	1.9	1.6	2.0	1.8	2.5	1.8	1.6	1.7	1.8	1.7
		+0.3	+0.6	+0.3	+0.7	+0.5	+1.2	+0.5	+0.3	+0.4	+0.5	+0.4
울릉군	2.6	2.7	3.4	2.7	3.9	3.5	4.2	4.3	3.4	3.0	3.3	3.8
		+0.1	+0.8	+0.1	+1.3	+0.9	+1.6	+1.7	+0.8	+0.4	+0.7	+1.2
울진군	2.1	2.2	2.6	2.3	3.0	2.5	3.9	3.1	2.9	2.4	2.7	3.0
		+0.1	+0.5	+0.2	+0.9	+0.4	+1.8	+1.0	+0.8	+0.3	+0.6	+0.9
의성군	1.1	1.2	1.7	1.1	1.6	1.4	2.3	1.6	1.3	1.4	1.4	1.4
		+0.1	+0.6	+0.0	+0.5	+0.3	+1.2	+0.5	+0.2	+0.3	+0.3	+0.3
청도군	1.6	1.7	2.2	1.7	1.8	1.9	2.6	2.1	2.0	2.0	1.7	2.0
		+0.1	+0.6	+0.1	+0.2	+0.3	+1.0	+0.5	+0.4	+0.4	+0.1	+0.4
청송군	1.1	1.3	1.6	1.2	1.7	1.5	2.4	1.8	1.7	1.5	1.5	1.7
		+0.2	+0.5	+0.1	+0.6	+0.4	+1.3	+0.7	+0.6	+0.4	+0.4	+0.6
칠곡군	1.6	1.5	2.0	1.3	1.7	1.6	2.5	1.8	1.5	1.7	1.5	1.6
		-0.1	+0.4	-0.3	+0.1	+0.0	+0.9	+0.2	-0.1	+0.1	-0.1	+0.0
포항시	1.8	1.9	2.8	2.0	2.7	2.4	3.1	2.7	2.3	2.3	2.3	2.5
		+0.1	+1.0	+0.2	+0.9	+0.6	+1.3	+0.9	+0.5	+0.5	+0.5	+0.7

표 4-99. 경상북도의 호우일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	1.5	1.7	2.0	1.8	2.2	2.3	2.3	1.9	2.1	1.9	2.0	2.0
		+0.2	+0.5	+0.3	+0.7	+0.8	+0.8	+0.4	+0.6	+0.4	+0.5	+0.5
경산시	1.5	1.4	1.9	1.6	1.9	1.9	2.1	1.6	1.8	1.6	1.7	1.7
		-0.1	+0.4	+0.1	+0.4	+0.4	+0.6	+0.1	+0.3	+0.1	+0.2	+0.2
경주시	1.8	1.6	2.2	2.1	2.2	2.2	2.7	1.8	2.4	1.9	2.1	2.1
		-0.2	+0.4	+0.3	+0.4	+0.4	+0.9	+0.0	+0.6	+0.1	+0.3	+0.3
고령군	1.9	1.5	2.1	1.8	2.2	2.3	2.4	1.9	2.0	1.8	2.0	2.0
		-0.4	+0.2	-0.1	+0.3	+0.4	+0.5	+0.0	+0.1	-0.1	+0.1	+0.1
구미시	1.4	1.4	1.7	1.3	2.2	2.0	1.7	1.5	1.8	1.5	1.8	1.7
		+0.0	+0.3	-0.1	+0.8	+0.6	+0.3	+0.1	+0.4	+0.1	+0.4	+0.3
군위군	1.3	1.4	1.6	1.2	1.9	1.7	1.9	1.4	1.7	1.5	1.6	1.6
		+0.1	+0.3	-0.1	+0.6	+0.4	+0.6	+0.1	+0.4	+0.2	+0.3	+0.3
김천시	1.4	1.4	1.7	1.4	2.2	2.0	1.7	1.7	1.9	1.5	1.8	1.8
		+0.0	+0.3	+0.0	+0.8	+0.6	+0.3	+0.3	+0.3	+0.5	+0.1	+0.4
문경시	1.5	1.8	2.0	1.8	2.1	2.8	2.5	1.8	2.0	1.9	1.9	1.9
		+0.3	+0.5	+0.3	+0.6	+1.3	+1.0	+0.3	+0.3	+0.5	+0.4	+0.4
봉화군	1.5	1.8	2.1	1.9	1.9	2.6	2.3	1.8	2.1	2.0	1.9	2.0
		+0.3	+0.6	+0.4	+0.4	+1.1	+0.8	+0.3	+0.6	+0.5	+0.4	+0.5
상주시	1.5	1.6	1.9	1.6	2.1	2.4	2.1	1.7	1.9	1.8	1.8	1.8
		+0.1	+0.4	+0.1	+0.6	+0.9	+0.6	+0.2	+0.4	+0.3	+0.3	+0.3
성주군	1.7	1.5	1.8	1.4	2.2	2.0	2.1	1.7	2.0	1.6	1.8	1.8
		-0.2	+0.1	-0.3	+0.5	+0.3	+0.4	+0.0	+0.3	-0.1	+0.1	+0.1
안동시	1.2	1.5	1.8	1.6	1.8	2.3	1.8	1.6	1.8	1.6	1.7	1.7
		+0.3	+0.6	+0.4	+0.6	+1.1	+0.6	+0.4	+0.6	+0.4	+0.5	+0.5
영덕군	1.4	1.5	1.9	1.9	2.3	2.2	2.5	2.5	2.5	1.7	2.1	2.5
		+0.1	+0.5	+0.5	+0.9	+0.8	+1.1	+1.1	+1.1	+1.1	+0.3	+0.7
영양군	1.4	1.8	2.1	1.8	1.9	2.5	2.2	2.1	2.2	1.9	1.9	2.1
		+0.4	+0.7	+0.4	+0.5	+1.1	+0.8	+0.7	+0.8	+0.5	+0.5	+0.7
영주시	1.5	1.9	2.2	2.0	2.0	2.8	2.4	1.9	2.1	2.1	2.0	2.0
		+0.4	+0.7	+0.5	+0.5	+1.3	+0.9	+0.4	+0.6	+0.6	+0.5	+0.5
영천시	1.4	1.5	1.7	1.5	1.8	1.8	2.0	1.4	1.7	1.6	1.6	1.6
		+0.1	+0.3	+0.1	+0.4	+0.4	+0.6	+0.0	+0.3	+0.2	+0.2	+0.2
예천군	1.3	1.6	2.0	1.6	2.0	2.7	2.2	1.7	2.0	1.8	1.8	1.9
		+0.3	+0.7	+0.3	+0.7	+1.4	+0.9	+0.4	+0.7	+0.5	+0.5	+0.6
울릉군	2.6	2.9	3.7	3.4	3.6	4.0	3.6	3.3	3.1	3.3	3.5	3.2
		+0.3	+1.1	+0.8	+1.0	+1.4	+1.0	+0.7	+0.5	+0.7	+0.9	+0.6
울진군	2.1	2.2	2.5	2.6	2.9	3.0	3.2	3.0	3.3	2.3	2.7	3.1
		+0.1	+0.4	+0.5	+0.8	+0.9	+1.1	+0.9	+1.2	+0.2	+0.6	+1.0
의성군	1.1	1.2	1.6	1.3	1.8	1.8	1.7	1.3	1.7	1.4	1.6	1.5
		+0.1	+0.5	+0.2	+0.7	+0.7	+0.6	+0.2	+0.6	+0.3	+0.5	+0.4
청도군	1.6	1.7	2.1	2.0	2.2	2.1	2.4	1.8	2.1	1.9	2.1	2.0
		+0.1	+0.5	+0.4	+0.6	+0.5	+0.8	+0.2	+0.5	+0.3	+0.5	+0.4
청송군	1.1	1.2	1.4	1.4	1.6	1.6	1.8	1.5	1.7	1.3	1.5	1.6
		+0.1	+0.3	+0.3	+0.5	+0.5	+0.7	+0.4	+0.6	+0.2	+0.4	+0.5
칠곡군	1.6	1.5	1.6	1.4	2.3	2.0	1.9	1.6	1.8	1.5	1.8	1.7
		-0.1	+0.0	-0.2	+0.7	+0.4	+0.3	+0.0	+0.2	-0.1	+0.2	+0.1
포항시	1.8	1.8	2.6	2.3	2.4	2.5	2.9	2.4	2.6	2.2	2.4	2.5
		+0.0	+0.8	+0.5	+0.6	+0.7	+1.1	+0.6	+0.8	+0.4	+0.6	+0.7

표 4-100. 경상북도의 호우일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	1.5	1.9	1.6	1.9	1.9	1.9	2.2	2.1	2.5	1.7	1.9	2.3
		+0.4	+0.1	+0.4	+0.4	+0.4	+0.7	+0.6	+1.0	+0.2	+0.4	+0.8
경산시	1.5	1.9	1.2	1.6	1.8	1.8	2.0	1.8	2.0	1.6	1.7	1.9
		+0.4	-0.3	+0.1	+0.3	+0.3	+0.5	+0.3	+0.5	+0.1	+0.2	+0.4
경주시	1.8	2.2	1.6	2.2	2.0	2.0	2.4	2.1	2.5	1.9	2.1	2.3
		+0.4	-0.2	+0.4	+0.2	+0.2	+0.6	+0.3	+0.7	+0.1	+0.3	+0.5
고령군	1.9	1.8	1.4	2.0	1.9	1.9	2.2	2.1	2.1	1.6	1.9	2.1
		-0.1	-0.5	+0.1	+0.0	+0.0	+0.3	+0.2	+0.2	-0.3	+0.0	+0.2
구미시	1.4	1.6	1.3	1.6	1.5	1.6	1.9	1.6	1.9	1.4	1.5	1.7
		+0.2	-0.1	+0.2	+0.1	+0.2	+0.5	+0.2	+0.5	+0.0	+0.1	+0.3
군위군	1.3	1.5	1.3	1.5	1.5	1.6	1.9	1.5	1.9	1.4	1.5	1.7
		+0.2	+0.0	+0.2	+0.2	+0.3	+0.6	+0.2	+0.6	+0.1	+0.2	+0.4
김천시	1.4	1.4	1.3	1.6	1.5	1.5	1.6	1.6	1.8	1.3	1.6	1.7
		+0.0	-0.1	+0.2	+0.1	+0.1	+0.2	+0.2	+0.4	-0.1	+0.2	+0.3
문경시	1.5	1.9	1.9	1.9	2.2	1.9	2.3	2.3	2.6	1.9	2.1	2.5
		+0.4	+0.4	+0.4	+0.7	+0.4	+0.8	+0.8	+1.1	+0.4	+0.6	+1.0
봉화군	1.5	1.8	1.6	1.7	2.2	1.9	2.1	2.2	2.7	1.7	2.0	2.4
		+0.3	+0.1	+0.2	+0.7	+0.4	+0.6	+0.7	+1.2	+0.2	+0.5	+0.9
상주시	1.5	1.7	1.7	1.7	1.9	1.8	2.1	2.0	2.4	1.7	1.8	2.2
		+0.2	+0.2	+0.2	+0.4	+0.3	+0.6	+0.5	+0.9	+0.2	+0.3	+0.7
성주군	1.7	1.6	1.3	1.9	1.5	1.7	1.9	1.7	2.0	1.5	1.7	1.8
		-0.1	-0.4	+0.2	-0.2	+0.0	+0.2	+0.0	+0.3	-0.2	+0.0	+0.1
안동시	1.2	1.5	1.4	1.6	1.7	1.6	1.9	1.9	2.2	1.5	1.6	2.0
		+0.3	+0.2	+0.4	+0.5	+0.4	+0.7	+0.7	+1.0	+0.3	+0.4	+0.8
영덕군	1.4	1.9	1.5	2.4	1.9	2.1	2.6	2.6	3.3	1.7	2.1	3.0
		+0.5	+0.1	+1.0	+0.5	+0.7	+1.2	+1.2	+1.9	+0.3	+0.7	+1.6
영양군	1.4	1.8	1.4	1.9	2.1	1.9	2.2	2.2	2.7	1.6	2.0	2.4
		+0.4	+0.0	+0.5	+0.7	+0.5	+0.8	+0.8	+1.3	+0.2	+0.6	+1.0
영주시	1.5	1.9	1.6	1.9	2.6	2.0	2.4	2.2	2.7	1.8	2.2	2.5
		+0.4	+0.1	+0.4	+1.1	+0.5	+0.9	+0.7	+1.2	+0.3	+0.7	+1.0
영천시	1.4	1.8	1.2	1.5	1.7	1.6	2.0	1.6	1.9	1.5	1.6	1.8
		+0.4	-0.2	+0.1	+0.3	+0.2	+0.6	+0.2	+0.5	+0.1	+0.2	+0.4
예천군	1.3	1.8	1.7	1.8	2.1	1.9	2.1	2.1	2.5	1.7	1.9	2.3
		+0.5	+0.4	+0.5	+0.8	+0.6	+0.8	+0.8	+1.2	+0.4	+0.6	+1.0
울릉군	2.6	2.8	3.0	3.4	2.8	3.0	3.1	3.9	4.5	2.9	3.1	4.2
		+0.2	+0.4	+0.8	+0.2	+0.4	+0.5	+1.3	+1.9	+0.3	+0.5	+1.6
울진군	2.1	2.2	2.0	2.7	2.6	2.7	2.9	3.4	4.0	2.1	2.6	3.7
		+0.1	-0.1	+0.6	+0.5	+0.6	+0.8	+1.3	+1.9	+0.0	+0.5	+1.6
의성군	1.1	1.3	1.3	1.4	1.4	1.5	1.7	1.7	1.9	1.3	1.4	1.8
		+0.2	+0.2	+0.3	+0.3	+0.4	+0.6	+0.6	+0.8	+0.2	+0.3	+0.7
청도군	1.6	2.1	1.4	2.1	2.0	2.1	2.4	2.0	2.3	1.8	2.0	2.1
		+0.5	-0.2	+0.5	+0.4	+0.5	+0.8	+0.4	+0.7	+0.2	+0.4	+0.5
청송군	1.1	1.5	1.1	1.5	1.5	1.4	1.7	1.7	2.0	1.3	1.5	1.8
		+0.4	+0.0	+0.4	+0.4	+0.3	+0.6	+0.6	+0.9	+0.2	+0.4	+0.7
칠곡군	1.6	1.6	1.2	1.7	1.6	1.7	1.9	1.7	1.9	1.4	1.6	1.8
		+0.0	-0.4	+0.1	+0.0	+0.1	+0.3	+0.1	+0.3	-0.2	+0.0	+0.2
포항시	1.8	2.4	1.8	2.4	2.3	2.4	2.9	2.6	3.1	2.1	2.3	2.9
		+0.6	+0.0	+0.6	+0.5	+0.6	+1.1	+0.8	+1.3	+0.3	+0.5	+1.1



그림 4-35. 경상북도의 강수강도(mm/일) 전망 분포도

표 4-101. 경상북도의 강수강도 21세기 전망과 현재 기후 값 대비 편차(mm/일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	14.7	15.7	16.3	15.2	15.9	16.5	16.6	15.4	15.7	16.0	15.6	15.6
		+1.0	+1.6	+0.5	+1.2	+1.8	+1.9	+0.7	+1.0	+1.3	+0.9	+0.9
경산시	15.1	16.1	16.7	15.4	16.5	17.0	16.5	15.6	16.0	16.4	16.0	15.8
		+1.0	+1.6	+0.3	+1.4	+1.9	+1.4	+0.5	+0.9	+1.3	+0.9	+0.7
경주시	14.9	15.8	16.5	15.6	16.3	16.9	16.4	15.8	16.2	16.2	16.0	16.0
		+0.9	+1.6	+0.7	+1.4	+2.0	+1.5	+0.9	+1.3	+1.3	+1.1	+1.1
고령군	15.8	16.9	17.1	16.1	17.3	17.4	17.7	16.5	16.7	17.0	16.7	16.6
		+1.1	+1.3	+0.3	+1.5	+1.6	+1.9	+0.7	+0.9	+1.2	+0.9	+0.8
구미시	14.5	15.6	15.9	14.5	15.3	16.0	16.4	14.8	15.0	15.7	14.9	14.9
		+1.1	+1.4	+0.0	+0.8	+1.5	+1.9	+0.3	+0.5	+1.2	+0.4	+0.4
군위군	14.0	15.1	15.5	14.4	15.2	15.6	15.8	14.5	15.1	15.3	14.8	14.8
		+1.1	+1.5	+0.4	+1.2	+1.6	+1.8	+0.5	+1.1	+1.3	+0.8	+0.8
김천시	14.3	15.8	15.8	14.4	15.0	15.6	16.0	14.6	14.8	15.8	14.7	14.7
		+1.5	+1.5	+0.1	+0.7	+1.3	+1.7	+0.3	+0.5	+1.5	+0.4	+0.4
문경시	15.1	15.7	16.4	15.3	16.4	16.6	16.7	15.6	15.4	16.0	15.8	15.5
		+0.6	+1.3	+0.2	+1.3	+1.5	+1.6	+0.5	+0.3	+0.9	+0.7	+0.4
봉화군	14.3	15.1	16.2	15.0	15.5	15.9	16.0	15.6	15.5	15.6	15.3	15.5
		+0.8	+1.9	+0.7	+1.2	+1.6	+1.7	+1.3	+1.2	+1.3	+1.0	+1.2
상주시	14.8	15.7	15.9	14.8	15.6	16.3	16.5	15.2	15.0	15.8	15.2	15.1
		+0.9	+1.1	+0.0	+0.8	+1.5	+1.7	+0.4	+0.2	+1.0	+0.4	+0.3
성주군	15.2	16.4	16.7	15.5	16.4	16.7	17.2	15.7	16.0	16.6	15.9	15.8
		+1.2	+1.5	+0.3	+1.2	+1.5	+2.0	+0.5	+0.8	+1.4	+0.7	+0.6
안동시	14.1	14.8	15.7	14.3	15.1	15.6	16.1	14.8	14.9	15.2	14.7	14.8
		+0.7	+1.6	+0.2	+1.0	+1.5	+2.0	+0.7	+0.8	+1.1	+0.6	+0.7
영덕군	15.4	16.6	17.4	16.0	16.7	17.8	17.8	16.3	16.9	17.0	16.4	16.6
		+1.2	+2.0	+0.6	+1.3	+2.4	+2.4	+0.9	+1.5	+1.6	+1.0	+1.2
영양군	14.1	15.0	16.1	14.7	15.3	16.0	16.2	15.2	15.4	15.6	15.0	15.3
		+0.9	+2.0	+0.6	+1.2	+1.9	+2.1	+1.1	+1.3	+1.5	+0.9	+1.2
영주시	14.8	15.4	16.9	15.5	16.3	16.3	16.5	15.7	15.7	16.1	15.9	15.7
		+0.6	+2.1	+0.7	+1.5	+1.5	+1.7	+0.9	+0.9	+1.3	+1.1	+0.9
영천시	14.4	15.5	16.1	14.9	15.8	16.1	16.1	15.1	15.5	15.8	15.3	15.3
		+1.1	+1.7	+0.5	+1.4	+1.7	+1.7	+0.7	+1.1	+1.4	+0.9	+0.9
예천군	14.7	15.1	16.1	15.0	15.7	16.1	16.4	15.1	15.2	15.6	15.3	15.1
		+0.4	+1.4	+0.3	+1.0	+1.4	+1.7	+0.4	+0.5	+0.9	+0.6	+0.4
울릉군	14.0	14.8	15.5	15.3	15.1	16.5	16.0	15.4	15.9	15.1	15.2	15.6
		+0.8	+1.5	+1.3	+1.1	+2.5	+2.0	+1.4	+1.9	+1.1	+1.2	+1.6
울진군	15.8	16.8	17.9	16.3	16.9	18.2	18.2	16.9	17.6	17.3	16.6	17.2
		+1.0	+2.1	+0.5	+1.1	+2.4	+2.4	+1.1	+1.8	+1.5	+0.8	+1.4
의성군	13.8	14.8	15.2	13.9	14.7	15.3	15.8	14.2	14.5	15.0	14.3	14.4
		+1.0	+1.4	+0.1	+0.9	+1.5	+2.0	+0.4	+0.7	+1.2	+0.5	+0.6
청도군	15.7	16.7	17.3	16.0	17.2	17.9	17.3	16.3	16.6	17.0	16.6	16.5
		+1.0	+1.6	+0.3	+1.5	+2.2	+1.6	+0.6	+0.9	+1.3	+0.9	+0.8
청송군	13.8	14.7	15.4	14.2	14.9	15.3	15.6	14.4	14.8	15.1	14.6	14.6
		+0.9	+1.6	+0.4	+1.1	+1.5	+1.8	+0.6	+1.0	+1.3	+0.8	+0.8
칠곡군	14.8	15.8	16.1	14.9	15.8	16.2	16.6	15.1	15.6	16.0	15.3	15.4
		+1.0	+1.3	+0.1	+1.0	+1.4	+1.8	+0.3	+0.8	+1.2	+0.5	+0.6
포항시	15.1	16.3	17.0	16.1	16.5	17.4	16.9	16.2	16.7	16.7	16.3	16.5
		+1.2	+1.9	+1.0	+1.4	+2.3	+1.8	+1.1	+1.6	+1.6	+1.2	+1.4

표 4-102. 경상북도의 강수강도 21세기 전망과 현재 기후 값 대비 편차(mm/일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	14.7	15.7	16.2	15.6	16.5	16.2	18.5	17.1	16.5	15.9	16.1	16.8
		+1.0	+1.5	+0.9	+1.8	+1.5	+3.8	+2.4	+1.8	+1.2	+1.4	+2.1
경산시	15.1	15.8	16.2	15.4	16.3	16.1	18.6	17.4	16.8	16.0	15.9	17.1
		+0.7	+1.1	+0.3	+1.2	+1.0	+3.5	+2.3	+1.7	+0.9	+0.8	+2.0
경주시	14.9	15.8	16.5	15.3	16.8	16.4	18.5	17.5	16.8	16.1	16.1	17.2
		+0.9	+1.6	+0.4	+1.9	+1.5	+3.6	+2.6	+1.9	+1.2	+1.2	+2.3
고령군	15.8	16.3	17.2	16.6	16.8	17.0	19.3	17.7	17.4	16.8	16.7	17.5
		+0.5	+1.4	+0.8	+1.0	+1.2	+3.5	+1.9	+1.6	+1.0	+0.9	+1.7
구미시	14.5	15.0	15.9	15.4	15.6	15.9	17.9	16.0	15.7	15.4	15.5	15.8
		+0.5	+1.4	+0.9	+1.1	+1.4	+3.4	+1.5	+1.2	+0.9	+1.0	+1.3
군위군	14.0	14.8	15.5	14.7	15.6	15.5	17.8	16.1	15.4	15.1	15.2	15.8
		+0.8	+1.5	+0.7	+1.6	+1.5	+3.8	+2.1	+1.4	+1.1	+1.2	+1.8
김천시	14.3	14.8	15.7	15.3	15.2	15.6	17.8	15.7	15.6	15.2	15.3	15.6
		+0.5	+1.4	+1.0	+0.9	+1.3	+3.5	+1.4	+1.3	+0.9	+1.0	+1.3
문경시	15.1	16.0	16.1	16.7	16.4	16.7	18.6	16.8	16.9	16.1	16.5	16.9
		+0.9	+1.0	+1.6	+1.3	+1.6	+3.5	+1.7	+1.8	+1.0	+1.4	+1.8
봉화군	14.3	15.7	15.8	15.6	16.7	15.7	18.2	16.9	16.2	15.7	16.1	16.6
		+1.4	+1.5	+1.3	+2.4	+1.4	+3.9	+2.6	+1.9	+1.4	+1.8	+2.3
상주시	14.8	15.5	15.9	16.1	16.0	16.1	18.3	16.4	16.2	15.7	16.0	16.3
		+0.7	+1.1	+1.3	+1.2	+1.3	+3.5	+1.6	+1.4	+0.9	+1.2	+1.5
성주군	15.2	15.6	16.7	16.1	16.1	16.4	18.7	16.9	16.5	16.2	16.1	16.7
		+0.4	+1.5	+0.9	+0.9	+1.2	+3.5	+1.7	+1.3	+1.0	+0.9	+1.5
안동시	14.1	15.2	15.4	15.1	16.1	15.4	17.9	16.3	15.8	15.3	15.6	16.0
		+1.1	+1.3	+1.0	+2.0	+1.3	+3.8	+2.2	+1.7	+1.2	+1.5	+1.9
영덕군	15.4	16.7	17.6	16.7	18.0	17.4	20.3	18.8	18.2	17.2	17.4	18.5
		+1.3	+2.2	+1.3	+2.6	+2.0	+4.9	+3.4	+2.8	+1.8	+2.0	+3.1
영양군	14.1	15.5	16.0	15.4	16.7	15.7	18.4	17.2	16.5	15.8	16.1	16.8
		+1.4	+1.9	+1.3	+2.6	+1.6	+4.3	+3.1	+2.4	+1.7	+2.0	+2.7
영주시	14.8	16.0	16.1	16.1	16.7	16.2	18.6	17.0	16.6	16.1	16.4	16.8
		+1.2	+1.3	+1.3	+1.9	+1.4	+3.8	+2.2	+1.8	+1.3	+1.6	+2.0
영천시	14.4	15.3	15.6	14.6	16.0	15.6	17.9	16.6	16.1	15.4	15.3	16.4
		+0.9	+1.2	+0.2	+1.6	+1.2	+3.5	+2.2	+1.7	+1.0	+0.9	+2.0
예천군	14.7	15.6	15.7	15.9	16.1	16.1	18.3	16.6	16.2	15.7	16.0	16.4
		+0.9	+1.0	+1.2	+1.4	+1.4	+3.6	+1.9	+1.5	+1.0	+1.3	+1.7
울릉군	14.0	15.3	15.4	14.9	16.3	15.8	17.3	17.4	16.2	15.4	15.6	16.8
		+1.3	+1.4	+0.9	+2.3	+1.8	+3.3	+3.4	+2.2	+1.4	+1.6	+2.8
울진군	15.8	17.4	17.9	16.9	18.8	17.7	21.1	19.3	18.6	17.7	17.8	18.9
		+1.6	+2.1	+1.1	+3.0	+1.9	+5.3	+3.5	+2.8	+1.9	+2.0	+3.1
의성군	13.8	14.5	15.1	14.8	15.5	15.2	17.5	15.8	15.3	14.8	15.2	15.5
		+0.7	+1.3	+1.0	+1.7	+1.4	+3.7	+2.0	+1.5	+1.0	+1.4	+1.7
청도군	15.7	16.7	17.0	16.3	17.0	17.0	19.2	18.1	17.6	16.9	16.7	17.9
		+1.0	+1.3	+0.6	+1.3	+1.3	+3.5	+2.4	+1.9	+1.2	+1.0	+2.2
청송군	13.8	14.7	15.5	14.5	16.0	15.0	17.6	16.2	15.7	15.1	15.3	16.0
		+0.9	+1.7	+0.7	+2.2	+1.2	+3.8	+2.4	+1.9	+1.3	+1.5	+2.2
칠곡군	14.8	15.3	15.9	15.4	15.8	16.0	18.3	16.4	15.9	15.6	15.6	16.1
		+0.5	+1.1	+0.6	+1.0	+1.2	+3.5	+1.6	+1.1	+0.8	+0.8	+1.3
포항시	15.1	16.2	17.0	15.8	17.5	17.0	19.5	18.1	17.1	16.6	16.7	17.6
		+1.1	+1.9	+0.7	+2.4	+1.9	+4.4	+3.0	+2.0	+1.5	+1.6	+2.5

표 4-103. 경상북도의 강수강도 21세기 전망과 현재 기후 값 대비 편차(mm/일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	14.7	15.1	16.5	16.3	16.4	17.2	17.0	16.9	17.2	15.8	16.4	17.1
		+0.4	+1.8	+1.6	+1.7	+2.5	+2.3	+2.2	+2.5	+1.1	+1.7	+2.4
경산시	15.1	15.2	16.7	17.1	16.6	17.2	17.3	16.9	17.2	16.0	16.9	17.1
		+0.1	+1.6	+2.0	+1.5	+2.1	+2.2	+1.8	+2.1	+0.9	+1.8	+2.0
경주시	14.9	15.0	16.5	17.3	16.5	17.5	17.7	16.9	17.9	15.8	16.9	17.4
		+0.1	+1.6	+2.4	+1.6	+2.6	+2.8	+2.0	+3.0	+0.9	+2.0	+2.5
고령군	15.8	15.8	17.3	17.4	17.4	18.3	17.9	17.8	18.0	16.6	17.4	17.9
		+0.0	+1.5	+1.6	+1.6	+2.5	+2.1	+2.0	+2.2	+0.8	+1.6	+2.1
구미시	14.5	14.8	15.7	15.4	16.3	16.4	15.9	16.3	17.0	15.2	15.8	16.6
		+0.3	+1.2	+0.9	+1.8	+1.9	+1.4	+1.8	+2.5	+0.7	+1.3	+2.1
군위군	14.0	14.4	15.6	15.2	15.7	16.0	15.8	15.9	16.5	15.0	15.4	16.2
		+0.4	+1.6	+1.2	+1.7	+2.0	+1.8	+1.9	+2.5	+1.0	+1.4	+2.2
김천시	14.3	14.5	15.6	15.5	16.2	16.3	16.0	16.3	16.5	15.0	15.8	16.4
		+0.2	+1.3	+1.2	+1.9	+2.0	+1.7	+2.0	+2.2	+0.7	+1.5	+2.1
문경시	15.1	15.6	17.0	16.2	16.4	17.8	17.7	17.2	17.0	16.3	16.3	17.1
		+0.5	+1.9	+1.1	+1.3	+2.7	+2.6	+2.1	+1.9	+1.2	+1.2	+2.0
봉화군	14.3	15.2	16.4	15.7	15.7	17.2	16.8	16.6	16.5	15.8	15.7	16.5
		+0.9	+2.1	+1.4	+1.4	+2.9	+2.5	+2.3	+2.2	+1.5	+1.4	+2.2
상주시	14.8	15.2	16.4	15.9	16.2	17.1	16.9	16.8	17.0	15.8	16.0	16.9
		+0.4	+1.6	+1.1	+1.4	+2.3	+2.1	+2.0	+2.2	+1.0	+1.2	+2.1
성주군	15.2	15.3	16.5	16.3	17.0	17.4	16.9	17.1	17.3	15.9	16.7	17.2
		+0.1	+1.3	+1.1	+1.8	+2.2	+1.7	+1.9	+2.1	+0.7	+1.5	+2.0
안동시	14.1	14.6	16.1	15.4	15.5	16.8	16.1	16.4	16.4	15.4	15.4	16.4
		+0.5	+2.0	+1.3	+1.4	+2.7	+2.0	+2.3	+2.3	+1.3	+1.3	+2.3
영덕군	15.4	15.8	17.2	17.7	17.7	17.7	18.4	18.5	18.8	16.5	17.7	18.7
		+0.4	+1.8	+2.3	+2.3	+2.3	+3.0	+3.1	+3.4	+1.1	+2.3	+3.3
영양군	14.1	14.8	16.6	15.8	16.1	16.9	16.5	16.8	17.0	15.7	15.9	16.9
		+0.7	+2.5	+1.7	+2.0	+2.8	+2.4	+2.7	+2.9	+1.6	+1.8	+2.8
영주시	14.8	15.7	16.9	16.1	16.1	17.9	17.5	17.1	16.8	16.3	16.1	16.9
		+0.9	+2.1	+1.3	+1.3	+3.1	+2.7	+2.3	+2.0	+1.5	+1.3	+2.1
영천시	14.4	14.7	16.0	16.1	16.0	16.5	16.3	16.2	16.6	15.4	16.1	16.4
		+0.3	+1.6	+1.7	+1.6	+2.1	+1.9	+1.8	+2.2	+1.0	+1.7	+2.0
예천군	14.7	15.3	16.6	15.7	16.0	17.3	17.2	16.8	16.7	15.9	15.9	16.8
		+0.6	+1.9	+1.0	+1.3	+2.6	+2.5	+2.1	+2.0	+1.2	+1.2	+2.1
울릉군	14.0	15.1	16.4	15.9	16.1	16.7	16.6	16.6	16.3	15.7	16.0	16.5
		+1.1	+2.4	+1.9	+2.1	+2.7	+2.6	+2.6	+2.3	+1.7	+2.0	+2.5
울진군	15.8	16.5	17.5	18.2	18.4	18.4	18.7	19.0	19.5	17.0	18.3	19.2
		+0.7	+1.7	+2.4	+2.6	+2.6	+2.9	+3.2	+3.7	+1.2	+2.5	+3.4
의성군	13.8	14.2	15.5	14.8	15.1	16.0	15.6	15.9	16.3	14.9	15.0	16.1
		+0.4	+1.7	+1.0	+1.3	+2.2	+1.8	+2.1	+2.5	+1.1	+1.2	+2.3
청도군	15.7	15.8	17.3	17.9	17.2	18.0	18.3	17.6	18.2	16.5	17.6	17.9
		+0.1	+1.6	+2.2	+1.5	+2.3	+2.6	+1.9	+2.5	+0.8	+1.9	+2.2
청송군	13.8	14.1	15.7	15.2	15.1	15.8	15.9	15.9	16.2	14.9	15.1	16.0
		+0.3	+1.9	+1.4	+1.3	+2.0	+2.1	+2.1	+2.4	+1.1	+1.3	+2.2
칠곡군	14.8	15.0	15.9	15.7	16.6	16.8	16.4	16.4	16.8	15.4	16.2	16.6
		+0.2	+1.1	+0.9	+1.8	+2.0	+1.6	+1.6	+2.0	+0.6	+1.4	+1.8
포항시	15.1	15.5	17.1	17.7	16.8	17.9	18.3	17.5	18.3	16.3	17.2	17.9
		+0.4	+2.0	+2.6	+1.7	+2.8	+3.2	+2.4	+3.2	+1.2	+2.1	+2.8

표 4-104. 경상북도의 강수강도 21세기 전망과 현재 기후 값 대비 편차(mm/일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	14.7	15.5	15.2	16.1	16.1	16.5	17.1	17.4	18.3	15.3	16.1	17.9
		+0.8	+0.5	+1.4	+1.4	+1.8	+2.4	+2.7	+3.6	+0.6	+1.4	+3.2
경산시	15.1	15.7	15.1	16.4	16.7	17.0	17.4	17.2	18.4	15.4	16.5	17.8
		+0.6	+0.0	+1.3	+1.6	+1.9	+2.3	+2.1	+3.3	+0.3	+1.4	+2.7
경주시	14.9	15.7	15.2	16.7	16.2	17.2	17.3	17.8	18.7	15.4	16.4	18.2
		+0.8	+0.3	+1.8	+1.3	+2.3	+2.4	+2.9	+3.8	+0.5	+1.5	+3.3
고령군	15.8	16.2	15.4	17.2	16.9	17.4	17.8	18.0	18.9	15.8	17.1	18.4
		+0.4	-0.4	+1.4	+1.1	+1.6	+2.0	+2.2	+3.1	+0.0	+1.3	+2.6
구미시	14.5	14.9	14.8	15.5	15.5	15.9	16.5	16.5	17.2	14.9	15.5	16.9
		+0.4	+0.3	+1.0	+1.0	+1.4	+2.0	+2.0	+2.7	+0.4	+1.0	+2.4
군위군	14.0	14.6	14.4	15.1	15.1	15.7	16.0	16.1	17.1	14.5	15.1	16.6
		+0.6	+0.4	+1.1	+1.1	+1.7	+2.0	+2.1	+3.1	+0.5	+1.1	+2.6
김천시	14.3	14.5	14.5	15.5	15.1	15.6	16.1	16.3	17.0	14.5	15.3	16.6
		+0.2	+0.2	+1.2	+0.8	+1.3	+1.8	+2.0	+2.7	+0.2	+1.0	+2.3
문경시	15.1	16.1	16.1	15.9	16.7	16.3	17.5	17.6	18.4	16.1	16.3	18.0
		+1.0	+1.0	+0.8	+1.6	+1.2	+2.4	+2.5	+3.3	+1.0	+1.2	+2.9
봉화군	14.3	15.4	15.0	15.3	15.9	15.8	16.6	17.0	17.7	15.2	15.6	17.4
		+1.1	+0.7	+1.0	+1.6	+1.5	+2.3	+2.7	+3.4	+0.9	+1.3	+3.1
상주시	14.8	15.4	15.7	15.8	16.0	16.0	17.0	17.1	17.9	15.6	15.9	17.5
		+0.6	+0.9	+1.0	+1.2	+1.2	+2.2	+2.3	+3.1	+0.8	+1.1	+2.7
성주군	15.2	15.7	15.0	16.5	16.2	16.7	17.1	17.3	18.0	15.3	16.3	17.7
		+0.5	-0.2	+1.3	+1.0	+1.5	+1.9	+2.1	+2.8	+0.1	+1.1	+2.5
안동시	14.1	14.8	14.9	15.1	15.3	15.7	16.4	16.8	17.1	14.8	15.2	17.0
		+0.7	+0.8	+1.0	+1.2	+1.6	+2.3	+2.7	+3.0	+0.7	+1.1	+2.9
영덕군	15.4	16.6	15.7	18.0	17.4	17.9	19.0	19.8	20.7	16.2	17.7	20.3
		+1.2	+0.3	+2.6	+2.0	+2.5	+3.6	+4.4	+5.3	+0.8	+2.3	+4.9
영양군	14.1	15.6	14.8	15.9	15.8	16.2	16.5	17.4	18.1	15.2	15.9	17.7
		+1.5	+0.7	+1.8	+1.7	+2.1	+2.4	+3.3	+4.0	+1.1	+1.8	+3.6
영주시	14.8	15.8	15.6	15.6	16.8	16.2	17.4	17.3	17.9	15.7	16.2	17.6
		+1.0	+0.8	+0.8	+2.0	+1.4	+2.6	+2.5	+3.1	+0.9	+1.4	+2.8
영천시	14.4	14.9	14.6	15.5	15.9	16.4	16.4	16.7	17.9	14.8	15.7	17.3
		+0.5	+0.2	+1.1	+1.5	+2.0	+2.0	+2.3	+3.5	+0.4	+1.3	+2.9
예천군	14.7	15.5	15.5	15.5	16.2	16.0	17.1	17.2	17.8	15.5	15.9	17.5
		+0.8	+0.8	+0.8	+1.5	+1.3	+2.4	+2.5	+3.1	+0.8	+1.2	+2.8
울릉군	14.0	14.8	14.7	16.0	15.7	15.9	16.4	17.8	18.7	14.7	15.8	18.2
		+0.8	+0.7	+2.0	+1.7	+1.9	+2.4	+3.8	+4.7	+0.7	+1.8	+4.2
울진군	15.8	17.0	16.2	18.1	17.6	18.5	19.0	20.4	21.2	16.6	17.9	20.8
		+1.2	+0.4	+2.3	+1.8	+2.7	+3.2	+4.6	+5.4	+0.8	+2.1	+5.0
의성군	13.8	14.4	14.6	14.8	14.7	15.4	15.9	16.2	16.7	14.5	14.7	16.4
		+0.6	+0.8	+1.0	+0.9	+1.6	+2.1	+2.4	+2.9	+0.7	+0.9	+2.6
청도군	15.7	16.5	15.7	17.3	17.3	17.9	18.3	17.9	19.2	16.1	17.3	18.5
		+0.8	+0.0	+1.6	+1.6	+2.2	+2.6	+2.2	+3.5	+0.4	+1.6	+2.8
청송군	13.8	14.7	14.3	15.1	15.0	15.3	15.9	16.6	17.4	14.5	15.1	17.0
		+0.9	+0.5	+1.3	+1.2	+1.5	+2.1	+2.8	+3.6	+0.7	+1.3	+3.2
칠곡군	14.8	15.1	14.7	15.8	15.9	16.1	16.6	16.7	17.4	14.9	15.8	17.1
		+0.3	-0.1	+1.0	+1.1	+1.3	+1.8	+1.9	+2.6	+0.1	+1.0	+2.3
포항시	15.1	16.2	15.6	17.2	16.6	17.7	18.1	18.7	19.6	15.9	16.9	19.1
		+1.1	+0.5	+2.1	+1.5	+2.6	+3.0	+3.6	+4.5	+0.8	+1.8	+4.0

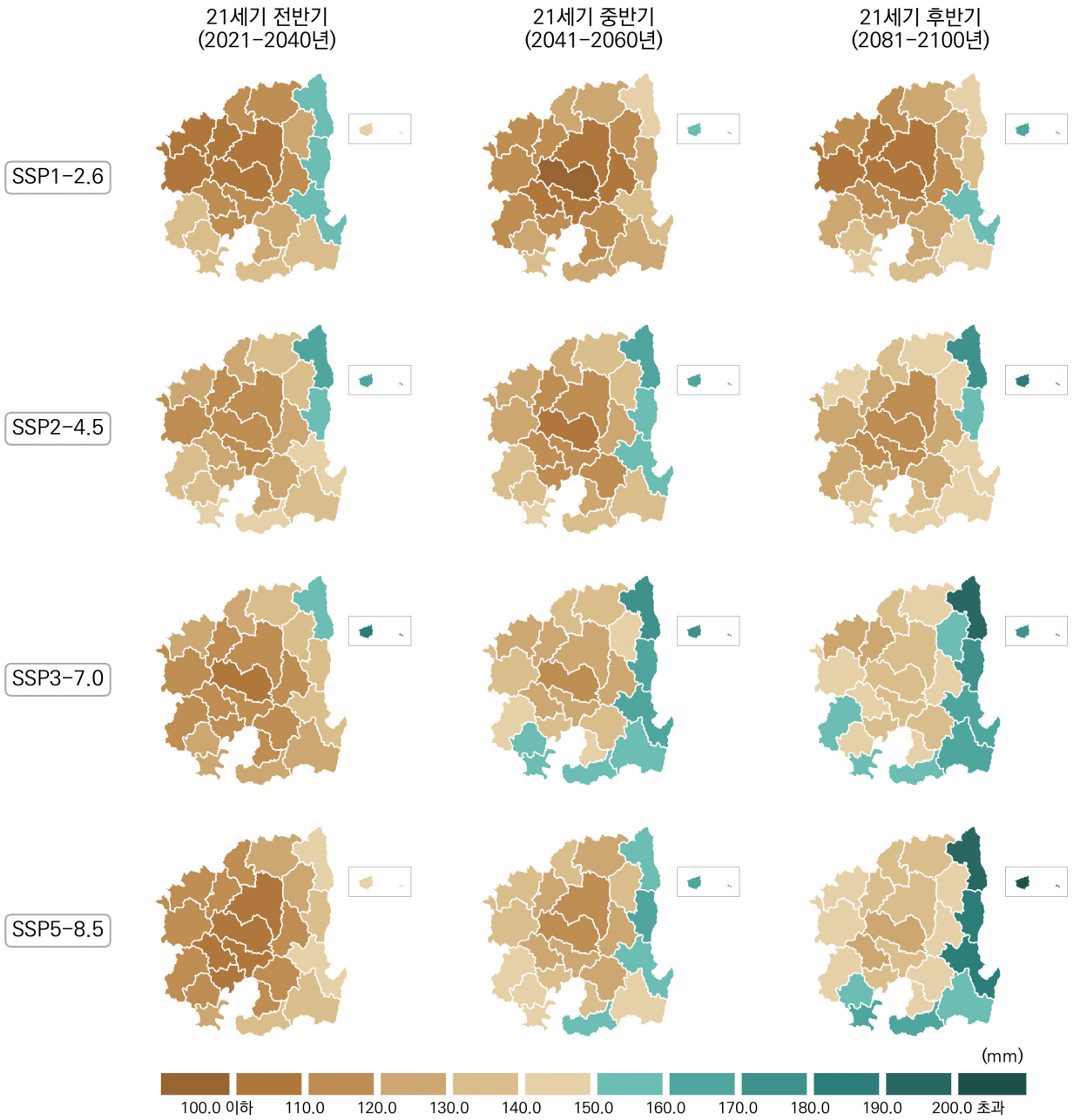


그림 4-36. 경상북도의 1일최다강수량(mm) 전망 분포도

표 4-105. 경상북도의 1일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	113.0	121.5	131.5	115.5	125.0	129.4	144.0	120.0	134.7	126.5	120.2	127.3
		+8.5	+18.5	+2.5	+12.0	+16.4	+31.0	+7.0	+21.7	+13.5	+7.2	+14.3
경산시	112.8	113.7	132.5	110.8	127.3	132.8	138.0	114.2	135.4	123.1	119.0	124.8
		+0.9	+19.7	-2.0	+14.5	+20.0	+25.2	+1.4	+22.6	+10.3	+6.2	+12.0
경주시	124.1	131.7	146.7	122.3	134.8	146.2	153.5	129.8	151.1	139.2	128.6	140.4
		+7.6	+22.6	-1.8	+10.7	+22.1	+29.4	+5.7	+27.0	+15.1	+4.5	+16.3
고령군	124.7	128.4	139.8	129.0	144.6	133.1	162.4	134.9	159.9	134.1	136.8	147.4
		+3.7	+15.1	+4.3	+19.9	+8.4	+37.7	+10.2	+35.2	+9.4	+12.1	+22.7
구미시	107.9	113.5	119.5	106.5	109.1	109.6	131.9	109.1	127.7	116.5	107.8	118.4
		+5.6	+11.6	-1.4	+1.2	+1.7	+24.0	+1.2	+19.8	+8.6	-0.1	+10.5
군위군	98.5	107.8	114.0	102.5	110.3	106.0	124.6	104.0	127.7	110.9	106.4	115.8
		+9.3	+15.5	+4.0	+11.8	+7.5	+26.1	+5.5	+29.2	+12.4	+7.9	+17.3
김천시	115.0	134.5	143.5	114.7	111.4	117.9	139.0	115.3	133.7	139.0	113.0	124.5
		+19.5	+28.5	-0.3	-3.6	+2.9	+24.0	+0.3	+18.7	+24.0	-2.0	+9.5
문경시	108.2	106.2	107.7	110.9	125.8	115.9	128.8	112.8	109.6	106.9	118.3	111.2
		-2.0	-0.5	+2.7	+17.6	+7.7	+20.6	+4.6	+1.4	-1.3	+10.1	+3.0
봉화군	115.9	114.6	123.2	123.4	123.2	133.2	146.6	125.2	123.1	118.9	123.3	124.1
		-1.3	+7.3	+7.5	+7.3	+17.3	+30.7	+9.3	+7.2	+3.0	+7.4	+8.2
상주시	107.4	110.8	108.7	110.1	112.4	115.8	135.9	104.3	113.8	109.8	111.3	109.1
		+3.4	+1.3	+2.7	+5.0	+8.4	+28.5	-3.1	+6.4	+2.4	+3.9	+1.7
성주군	120.3	125.7	137.0	119.5	124.7	121.1	148.9	124.3	143.7	131.4	122.1	134.0
		+5.4	+16.7	-0.8	+4.4	+0.8	+28.6	+4.0	+23.4	+11.1	+1.8	+13.7
안동시	99.8	107.4	106.0	99.8	107.5	108.9	126.0	104.5	106.1	106.7	103.7	105.3
		+7.6	+6.2	+0.0	+7.7	+9.1	+26.2	+4.7	+6.3	+6.9	+3.9	+5.5
영덕군	119.8	145.9	155.3	114.8	134.0	153.5	163.3	122.5	149.1	150.6	124.4	135.8
		+26.1	+35.5	-5.0	+14.2	+33.7	+43.5	+2.7	+29.3	+30.8	+4.6	+16.0
영양군	108.6	118.9	132.3	108.5	119.1	131.6	147.8	120.7	119.7	125.6	113.8	120.2
		+10.3	+23.7	-0.1	+10.5	+23.0	+39.2	+12.1	+11.1	+17.0	+5.2	+11.6
영주시	110.5	105.8	123.8	122.1	130.1	122.6	135.6	113.5	116.4	114.8	126.1	115.0
		-4.7	+13.3	+11.6	+19.6	+12.1	+25.1	+3.0	+5.9	+4.3	+15.6	+4.5
영천시	106.2	112.4	129.2	111.0	119.6	126.3	131.3	111.2	133.6	120.8	115.3	122.4
		+6.2	+23.0	+4.8	+13.4	+20.1	+25.1	+5.0	+27.4	+14.6	+9.1	+16.2
예천군	105.4	101.7	108.8	107.1	117.5	112.3	129.3	104.5	103.3	105.2	112.3	103.9
		-3.7	+3.4	+1.7	+12.1	+6.9	+23.9	-0.9	-2.1	-0.2	+6.9	-1.5
울릉군	126.9	133.2	162.2	152.6	154.5	177.3	169.0	156.1	172.2	147.7	153.6	164.1
		+6.3	+35.3	+25.7	+27.6	+50.4	+42.1	+29.2	+45.3	+20.8	+26.7	+37.2
울진군	131.9	146.3	162.8	129.0	155.4	162.9	184.1	146.7	151.5	154.5	142.2	149.1
		+14.4	+30.9	-2.9	+23.5	+31.0	+52.2	+14.8	+19.6	+22.6	+10.3	+17.2
의성군	92.3	103.5	105.8	94.4	99.1	104.1	119.8	96.8	111.4	104.6	96.7	104.1
		+11.2	+13.5	+2.1	+6.8	+11.8	+27.5	+4.5	+19.1	+12.3	+4.4	+11.8
청도군	120.3	129.1	142.0	115.0	142.8	147.4	149.1	123.0	148.3	135.6	128.9	135.7
		+8.8	+21.7	-5.3	+22.5	+27.1	+28.8	+2.7	+28.0	+15.3	+8.6	+15.4
청송군	98.1	114.8	121.0	102.5	108.7	116.4	129.6	104.8	128.9	117.9	105.6	116.8
		+16.7	+22.9	+4.4	+10.6	+18.3	+31.5	+6.7	+30.8	+19.8	+7.5	+18.7
칠곡군	111.5	116.8	120.3	112.3	113.9	112.4	134.3	114.6	134.2	118.5	113.1	124.4
		+5.3	+8.8	+0.8	+2.4	+0.9	+22.8	+3.1	+22.7	+7.0	+1.6	+12.9
포항시	122.7	146.7	157.3	126.3	137.0	149.7	163.4	143.2	166.9	152.0	131.6	155.1
		+24.0	+34.6	+3.6	+14.3	+27.0	+40.7	+20.5	+44.2	+29.3	+8.9	+32.4

표 4-106. 경상북도의 1일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	113.0	124.7	140.8	127.1	138.1	139.1	168.3	145.7	130.0	132.7	132.6	137.8
		+11.7	+27.8	+14.1	+25.1	+26.1	+55.3	+32.7	+17.0	+19.7	+19.6	+24.8
경산시	112.8	124.9	129.8	121.2	128.3	127.0	150.5	140.4	128.3	127.3	124.8	134.3
		+12.1	+17.0	+8.4	+15.5	+14.2	+37.7	+27.6	+15.5	+14.5	+12.0	+21.5
경주시	124.1	134.1	136.4	127.4	149.1	155.1	179.8	157.9	130.3	135.3	138.2	144.1
		+10.0	+12.3	+3.3	+25.0	+31.0	+55.7	+33.8	+6.2	+11.2	+14.1	+20.0
고령군	124.7	121.7	161.7	139.0	143.0	150.4	175.7	155.8	142.4	141.7	141.0	149.1
		-3.0	+37.0	+14.3	+18.3	+25.7	+51.0	+31.1	+17.7	+17.0	+16.3	+24.4
구미시	107.9	106.1	135.0	114.8	113.1	130.8	151.2	121.0	110.3	120.5	114.0	115.7
		-1.8	+27.1	+6.9	+5.2	+22.9	+43.3	+13.1	+2.4	+12.6	+6.1	+7.8
군위군	98.5	107.2	131.5	107.6	120.0	124.8	149.1	128.2	107.4	119.3	113.8	117.8
		+8.7	+33.0	+9.1	+21.5	+26.3	+50.6	+29.7	+8.9	+20.8	+15.3	+19.3
김천시	115.0	117.2	145.8	140.8	123.9	135.0	169.4	125.1	130.0	131.5	132.3	127.5
		+2.2	+30.8	+25.8	+8.9	+20.0	+54.4	+10.1	+15.0	+16.5	+17.3	+12.5
문경시	108.2	117.3	126.5	126.1	124.7	129.8	148.0	137.9	143.3	121.9	125.4	140.6
		+9.1	+18.3	+17.9	+16.5	+21.6	+39.8	+29.7	+35.1	+13.7	+17.2	+32.4
봉화군	115.9	134.6	132.4	129.9	143.0	134.6	159.7	151.3	134.3	133.5	136.4	142.8
		+18.7	+16.5	+14.0	+27.1	+18.7	+43.8	+35.4	+18.4	+17.6	+20.5	+26.9
상주시	107.4	110.6	129.3	123.6	123.3	128.2	151.6	128.8	127.5	120.0	123.4	128.1
		+3.2	+21.9	+16.2	+15.9	+20.8	+44.2	+21.4	+20.1	+12.6	+16.0	+20.7
성주군	120.3	116.4	153.5	136.1	126.3	131.8	163.0	136.8	131.0	135.0	131.2	133.9
		-3.9	+33.2	+15.8	+6.0	+11.5	+42.7	+16.5	+10.7	+14.7	+10.9	+13.6
안동시	99.8	110.2	121.3	110.9	122.6	121.0	151.7	123.1	114.1	115.7	116.8	118.6
		+10.4	+21.5	+11.1	+22.8	+21.2	+51.9	+23.3	+14.3	+15.9	+17.0	+18.8
영덕군	119.8	142.8	163.3	151.9	162.8	156.3	209.4	169.1	140.8	153.0	157.3	155.0
		+23.0	+43.5	+32.1	+43.0	+36.5	+89.6	+49.3	+21.0	+33.2	+37.5	+35.2
영양군	108.6	128.6	144.0	128.5	149.7	133.2	170.3	154.1	135.9	136.3	139.1	145.0
		+20.0	+35.4	+19.9	+41.1	+24.6	+61.7	+45.5	+27.3	+27.7	+30.5	+36.4
영주시	110.5	127.2	126.3	123.1	136.4	126.0	161.4	141.6	131.8	126.7	129.7	136.7
		+16.7	+15.8	+12.6	+25.9	+15.5	+50.9	+31.1	+21.3	+16.2	+19.2	+26.2
영천시	106.2	118.4	124.2	107.7	129.3	127.4	147.8	131.3	121.8	121.3	118.5	126.5
		+12.2	+18.0	+1.5	+23.1	+21.2	+41.6	+25.1	+15.6	+15.1	+12.3	+20.3
예천군	105.4	111.3	123.5	116.8	120.6	124.8	151.3	133.1	126.3	117.4	118.7	129.7
		+5.9	+18.1	+11.4	+15.2	+19.4	+45.9	+27.7	+20.9	+12.0	+13.3	+24.3
울릉군	126.9	158.9	169.5	155.0	172.8	177.9	208.1	202.6	168.8	164.2	163.9	185.7
		+32.0	+42.6	+28.1	+45.9	+51.0	+81.2	+75.7	+41.9	+37.3	+37.0	+58.8
울진군	131.9	161.7	177.2	147.3	185.5	163.9	234.8	190.2	159.9	169.5	166.4	175.1
		+29.8	+45.3	+15.4	+53.6	+32.0	+102.9	+58.3	+28.0	+37.6	+34.5	+43.2
의성군	92.3	102.2	123.9	106.8	112.7	116.3	142.1	117.5	103.9	113.0	109.7	110.7
		+9.9	+31.6	+14.5	+20.4	+24.0	+49.8	+25.2	+11.6	+20.7	+17.4	+18.4
청도군	120.3	144.4	152.7	133.1	141.0	152.1	159.3	158.6	138.6	148.5	137.0	148.6
		+24.1	+32.4	+12.8	+20.7	+31.8	+39.0	+38.3	+18.3	+28.2	+16.7	+28.3
청송군	98.1	114.3	140.8	120.8	133.6	124.4	151.6	130.7	118.5	127.5	127.2	124.6
		+16.2	+42.7	+22.7	+35.5	+26.3	+53.5	+32.6	+20.4	+29.4	+29.1	+26.5
칠곡군	111.5	110.8	134.8	113.5	117.6	129.5	152.4	129.7	115.2	122.8	115.5	122.4
		-0.7	+23.3	+2.0	+6.1	+18.0	+40.9	+18.2	+3.7	+11.3	+4.0	+10.9
포항시	122.7	135.9	148.0	133.9	167.4	168.7	200.5	165.6	129.7	142.0	150.7	147.6
		+13.2	+25.3	+11.2	+44.7	+46.0	+77.8	+42.9	+7.0	+19.3	+28.0	+24.9

표 4-107. 경상북도의 1일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	113.0	119.8	131.6	146.7	140.8	141.4	150.3	138.2	159.4	125.7	143.7	148.8
		+6.8	+18.6	+33.7	+27.8	+28.4	+37.3	+25.2	+46.4	+12.7	+30.7	+35.8
경산시	112.8	112.5	120.3	148.3	139.8	128.3	144.8	139.0	147.5	116.4	144.0	143.2
		-0.3	+7.5	+35.5	+27.0	+15.5	+32.0	+26.2	+34.7	+3.6	+31.2	+30.4
경주시	124.1	119.5	135.0	171.8	142.0	148.6	161.5	151.2	169.3	127.2	156.9	160.3
		-4.6	+10.9	+47.7	+17.9	+24.5	+37.4	+27.1	+45.2	+3.1	+32.8	+36.2
고령군	124.7	120.0	136.2	154.8	162.7	156.9	165.4	153.6	159.0	128.1	158.8	156.3
		-4.7	+11.5	+30.1	+38.0	+32.2	+40.7	+28.9	+34.3	+3.4	+34.1	+31.6
구미시	107.9	107.3	120.8	120.4	135.4	126.6	131.7	123.6	161.8	114.1	127.9	142.7
		-0.6	+12.9	+12.5	+27.5	+18.7	+23.8	+15.7	+53.9	+6.2	+20.0	+34.8
군위군	98.5	103.5	116.7	125.3	131.8	122.0	124.6	117.9	154.0	110.1	128.6	135.9
		+5.0	+18.2	+26.8	+33.3	+23.5	+26.1	+19.4	+55.5	+11.6	+30.1	+37.4
김천시	115.0	111.7	126.9	139.3	155.1	133.6	153.5	131.2	169.5	119.3	147.2	150.3
		-3.3	+11.9	+24.3	+40.1	+18.6	+38.5	+16.2	+54.5	+4.3	+32.2	+35.3
문경시	108.2	116.2	126.9	131.8	120.7	147.0	146.0	118.9	138.7	121.5	126.3	128.8
		+8.0	+18.7	+23.6	+12.5	+38.8	+37.8	+10.7	+30.5	+13.3	+18.1	+20.6
봉화군	115.9	129.5	131.3	130.0	132.9	152.9	146.7	132.2	155.6	130.4	131.4	143.9
		+13.6	+15.4	+14.1	+17.0	+37.0	+30.8	+16.3	+39.7	+14.5	+15.5	+28.0
상주시	107.4	111.6	124.8	135.9	126.3	134.0	147.6	126.6	154.0	118.2	131.1	140.3
		+4.2	+17.4	+28.5	+18.9	+26.6	+40.2	+19.2	+46.6	+10.8	+23.7	+32.9
성주군	120.3	113.9	132.5	138.5	164.5	145.8	154.8	138.1	153.6	123.2	151.5	145.9
		-6.4	+12.2	+18.2	+44.2	+25.5	+34.5	+17.8	+33.3	+2.9	+31.2	+25.6
안동시	99.8	108.4	121.4	118.6	126.3	133.5	128.1	119.9	147.3	114.9	122.5	133.6
		+8.6	+21.6	+18.8	+26.5	+33.7	+28.3	+20.1	+47.5	+15.1	+22.7	+33.8
영덕군	119.8	131.8	144.3	181.9	148.4	139.0	175.2	160.7	182.9	138.1	165.1	171.8
		+12.0	+24.5	+62.1	+28.6	+19.2	+55.4	+40.9	+63.1	+18.3	+45.3	+52.0
영양군	108.6	124.9	139.8	141.1	146.5	144.3	135.9	142.1	170.0	132.4	143.8	156.1
		+16.3	+31.2	+32.5	+37.9	+35.7	+27.3	+33.5	+61.4	+23.8	+35.2	+47.5
영주시	110.5	124.1	125.3	130.1	130.1	155.1	162.6	123.9	143.8	124.7	130.1	133.9
		+13.6	+14.8	+19.6	+19.6	+44.6	+52.1	+13.4	+33.3	+14.2	+19.6	+23.4
영천시	106.2	105.9	115.0	142.7	136.8	121.5	134.9	131.0	144.4	110.5	139.8	137.7
		-0.3	+8.8	+36.5	+30.6	+15.3	+28.7	+24.8	+38.2	+4.3	+33.6	+31.5
예천군	105.4	115.1	124.1	126.3	122.8	141.9	146.9	115.6	139.6	119.6	124.5	127.6
		+9.7	+18.7	+20.9	+17.4	+36.5	+41.5	+10.2	+34.2	+14.2	+19.1	+22.2
울릉군	126.9	181.3	179.5	179.4	161.6	187.4	160.8	189.4	169.9	180.4	170.5	179.6
		+54.4	+52.6	+52.5	+34.7	+60.5	+33.9	+62.5	+43.0	+53.5	+43.6	+52.7
울진군	131.9	149.4	155.7	185.8	166.8	166.3	156.7	182.7	197.9	152.6	176.3	190.3
		+17.5	+23.8	+53.9	+34.9	+34.4	+24.8	+50.8	+66.0	+20.7	+44.4	+58.4
의성군	92.3	98.7	118.0	114.3	119.0	117.7	117.7	112.0	152.5	108.4	116.7	132.3
		+6.4	+25.7	+22.0	+26.7	+25.4	+25.4	+19.7	+60.2	+16.1	+24.4	+40.0
청도군	120.3	117.0	133.6	162.4	149.4	138.7	160.3	145.0	160.5	125.3	155.9	152.7
		-3.3	+13.3	+42.1	+29.1	+18.4	+40.0	+24.7	+40.2	+5.0	+35.6	+32.4
청송군	98.1	104.6	124.1	129.6	129.9	122.7	131.9	127.3	157.5	114.3	129.8	142.4
		+6.5	+26.0	+31.5	+31.8	+24.6	+33.8	+29.2	+59.4	+16.2	+31.7	+44.3
칠곡군	111.5	107.7	120.8	130.8	144.7	132.4	140.8	120.7	147.1	114.3	137.7	133.9
		-3.8	+9.3	+19.3	+33.2	+20.9	+29.3	+9.2	+35.6	+2.8	+26.2	+22.4
포항시	122.7	130.2	142.1	190.6	142.4	148.7	189.7	156.5	174.1	136.1	166.5	165.3
		+7.5	+19.4	+67.9	+19.7	+26.0	+67.0	+33.8	+51.4	+13.4	+43.8	+42.6

표 4-108. 경상북도의 1일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	113.0	126.1	116.3	139.1	137.6	136.6	154.7	146.3	160.2	121.2	138.3	153.3
		+13.1	+3.3	+26.1	+24.6	+23.6	+41.7	+33.3	+47.2	+8.2	+25.3	+40.3
경산시	112.8	126.1	106.3	133.0	142.0	139.1	154.1	132.5	165.6	116.2	137.5	149.0
		+13.3	-6.5	+20.2	+29.2	+26.3	+41.3	+19.7	+52.8	+3.4	+24.7	+36.2
경주시	124.1	138.5	127.3	151.2	142.3	154.0	160.1	148.1	165.3	132.9	146.7	156.7
		+14.4	+3.2	+27.1	+18.2	+29.9	+36.0	+24.0	+41.2	+8.8	+22.6	+32.6
고령군	124.7	134.3	107.8	150.6	144.7	140.6	164.4	144.3	182.5	121.0	147.6	163.4
		+9.6	-16.9	+25.9	+20.0	+15.9	+39.7	+19.6	+57.8	-3.7	+22.9	+38.7
구미시	107.9	108.8	103.6	134.5	124.0	114.9	142.1	127.2	129.3	106.2	129.2	128.2
		+0.9	-4.3	+26.6	+16.1	+7.0	+34.2	+19.3	+21.4	-1.7	+21.3	+20.3
군위군	98.5	110.4	101.9	117.9	124.3	116.3	135.8	126.1	144.6	106.1	121.1	135.3
		+11.9	+3.4	+19.4	+25.8	+17.8	+37.3	+27.6	+46.1	+7.6	+22.6	+36.8
김천시	115.0	116.6	113.6	155.5	126.8	119.7	144.5	145.6	140.0	115.1	141.2	142.8
		+1.6	-1.4	+40.5	+11.8	+4.7	+29.5	+30.6	+25.0	+0.1	+26.2	+27.8
문경시	108.2	120.4	119.0	131.0	143.7	119.8	143.6	132.9	155.8	119.7	137.3	144.4
		+12.2	+10.8	+22.8	+35.5	+11.6	+35.4	+24.7	+47.6	+11.5	+29.1	+36.2
봉화군	115.9	124.0	118.2	123.2	134.1	129.5	161.2	139.2	138.3	121.1	128.7	138.8
		+8.1	+2.3	+7.3	+18.2	+13.6	+45.3	+23.3	+22.4	+5.2	+12.8	+22.9
상주시	107.4	118.1	114.1	135.8	133.5	112.5	134.9	134.6	150.9	116.1	134.6	142.8
		+10.7	+6.7	+28.4	+26.1	+5.1	+27.5	+27.2	+43.5	+8.7	+27.2	+35.4
성주군	120.3	121.9	106.1	146.2	137.1	137.0	154.8	140.2	163.7	114.0	141.7	152.0
		+1.6	-14.2	+25.9	+16.8	+16.7	+34.5	+19.9	+43.4	-6.3	+21.4	+31.7
안동시	99.8	106.1	104.6	115.4	119.8	111.1	141.0	133.1	131.7	105.4	117.6	132.4
		+6.3	+4.8	+15.6	+20.0	+11.3	+41.2	+33.3	+31.9	+5.6	+17.8	+32.6
영덕군	119.8	142.8	129.2	169.0	153.3	157.5	182.2	189.0	186.9	136.0	161.1	188.0
		+23.0	+9.4	+49.2	+33.5	+37.7	+62.4	+69.2	+67.1	+16.2	+41.3	+68.2
영양군	108.6	130.9	117.2	136.6	135.1	140.8	152.2	139.3	157.5	124.0	135.8	148.4
		+22.3	+8.6	+28.0	+26.5	+32.2	+43.6	+30.7	+48.9	+15.4	+27.2	+39.8
영주시	110.5	119.0	115.3	123.7	137.0	127.3	160.2	135.1	143.6	117.1	130.4	139.4
		+8.5	+4.8	+13.2	+26.5	+16.8	+49.7	+24.6	+33.1	+6.6	+19.9	+28.9
영천시	106.2	117.9	107.3	121.4	135.9	134.7	143.7	128.6	158.8	112.6	128.7	143.7
		+11.7	+1.1	+15.2	+29.7	+28.5	+37.5	+22.4	+52.6	+6.4	+22.5	+37.5
예천군	105.4	115.0	109.7	121.7	133.3	115.4	148.1	131.0	144.4	112.3	127.5	137.7
		+9.6	+4.3	+16.3	+27.9	+10.0	+42.7	+25.6	+39.0	+6.9	+22.1	+32.3
울릉군	126.9	150.8	145.5	165.3	163.7	184.9	172.9	186.7	220.6	148.2	164.5	203.7
		+23.9	+18.6	+38.4	+36.8	+58.0	+46.0	+59.8	+93.7	+21.3	+37.6	+76.8
울진군	131.9	151.9	133.1	165.7	152.4	175.5	184.5	197.7	189.0	142.5	159.1	193.3
		+20.0	+1.2	+33.8	+20.5	+43.6	+52.6	+65.8	+57.1	+10.6	+27.2	+61.4
의성군	92.3	102.0	99.1	115.6	111.9	105.2	130.0	124.9	128.5	100.6	113.7	126.7
		+9.7	+6.8	+23.3	+19.6	+12.9	+37.7	+32.6	+36.2	+8.3	+21.4	+34.4
청도군	120.3	143.7	118.9	151.6	155.0	153.5	168.4	147.3	176.5	131.3	153.3	161.9
		+23.4	-1.4	+31.3	+34.7	+33.2	+48.1	+27.0	+56.2	+11.0	+33.0	+41.6
청송군	98.1	118.4	109.9	124.0	126.3	125.4	141.8	138.3	155.9	114.2	125.1	147.1
		+20.3	+11.8	+25.9	+28.2	+27.3	+43.7	+40.2	+57.8	+16.1	+27.0	+49.0
칠곡군	111.5	115.8	102.7	130.1	131.2	126.6	141.1	128.7	144.5	109.3	130.6	136.6
		+4.3	-8.8	+18.6	+19.7	+15.1	+29.6	+17.2	+33.0	-2.2	+19.1	+25.1
포항시	122.7	146.3	140.4	159.1	147.5	169.0	175.4	180.9	185.2	143.4	153.3	183.0
		+23.6	+17.7	+36.4	+24.8	+46.3	+52.7	+58.2	+62.5	+20.7	+30.6	+60.3

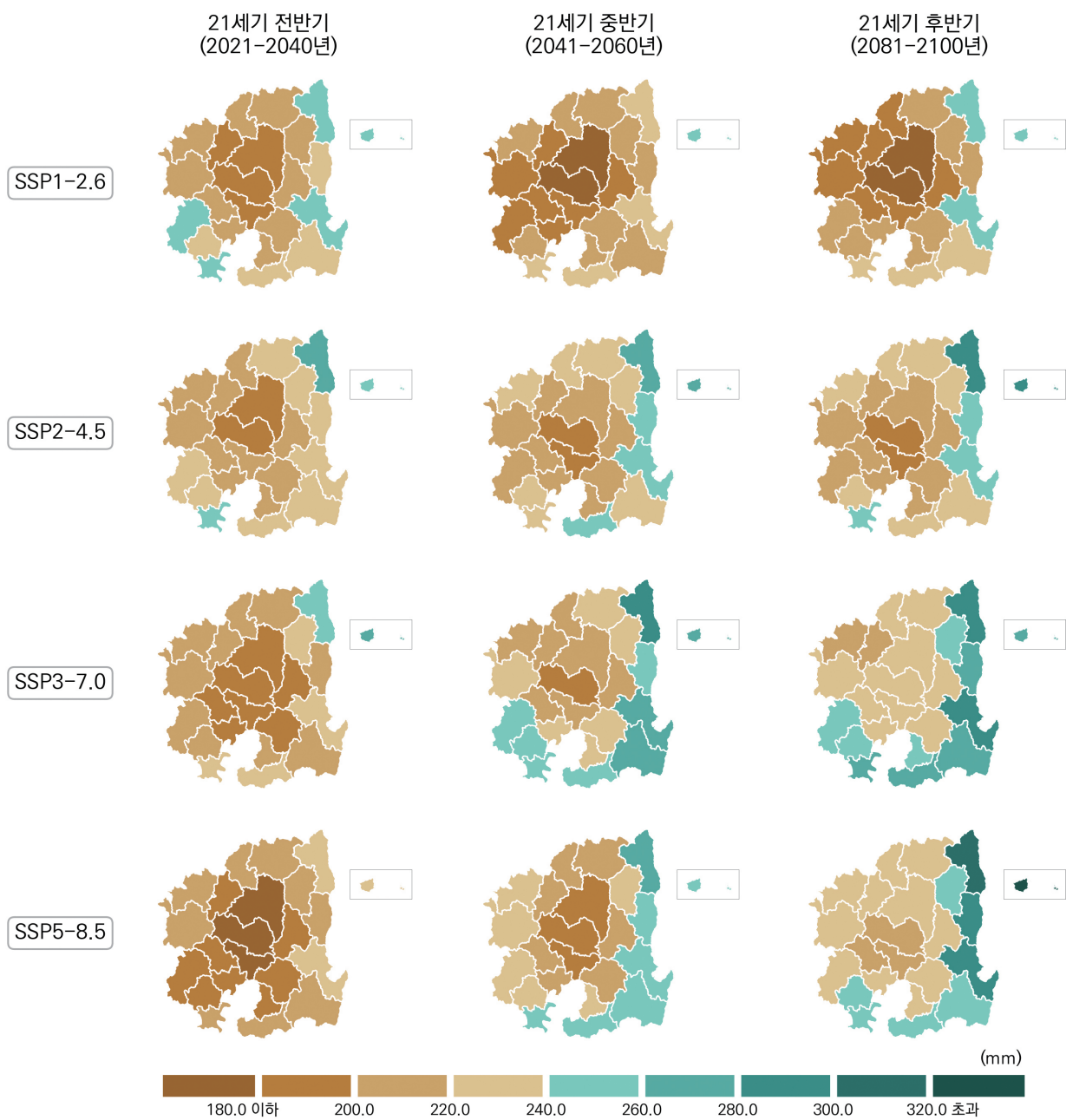


그림 4-37. 경상북도의 5일최다강수량(mm) 전망 분포도

표 4-109. 경상북도의 5일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	193.7	220.2	222.1	202.0	213.3	221.9	230.6	196.8	221.3	221.2	207.7	209.0
		+26.5	+28.4	+8.3	+19.6	+28.2	+36.9	+3.1	+27.6	+27.5	+14.0	+15.3
경산시	186.7	216.4	216.7	198.4	223.4	227.4	226.7	182.3	226.1	216.5	210.9	204.2
		+29.7	+30.0	+11.7	+36.7	+40.7	+40.0	-4.4	+39.4	+29.8	+24.2	+17.5
경주시	190.6	227.4	230.9	211.5	224.9	240.9	241.7	202.1	238.2	229.1	218.2	220.2
		+36.8	+40.3	+20.9	+34.3	+50.3	+51.1	+11.5	+47.6	+38.5	+27.6	+29.6
고령군	208.6	246.3	237.3	215.8	241.4	235.1	260.1	215.7	250.9	241.8	228.6	233.3
		+37.7	+28.7	+7.2	+32.8	+26.5	+51.5	+7.1	+42.3	+33.2	+20.0	+24.7
구미시	182.8	217.5	202.6	192.3	190.8	202.8	213.3	183.2	207.6	210.1	191.6	195.4
		+34.7	+19.8	+9.5	+8.0	+20.0	+30.5	+0.4	+24.8	+27.3	+8.8	+12.6
군위군	177.6	205.1	192.5	186.8	189.9	195.4	202.4	175.8	209.8	198.8	188.3	192.8
		+27.5	+14.9	+9.2	+12.3	+17.8	+24.8	-1.8	+32.2	+21.2	+10.7	+15.2
김천시	185.3	244.8	237.0	203.2	192.0	215.7	222.3	190.2	214.6	240.9	197.6	202.4
		+59.5	+51.7	+17.9	+6.7	+30.4	+37.0	+4.9	+29.3	+55.6	+12.3	+17.1
문경시	198.3	202.8	205.5	199.2	212.3	198.9	214.4	191.8	193.1	204.2	205.7	192.5
		+4.5	+7.2	+0.9	+14.0	+0.6	+16.1	-6.5	-5.2	+5.9	+7.4	-5.8
봉화군	207.4	206.3	227.5	205.5	220.9	218.4	226.8	208.7	211.1	216.9	213.2	209.9
		-1.1	+20.1	-1.9	+13.5	+11.0	+19.4	+1.3	+3.7	+9.5	+5.8	+2.5
상주시	193.2	212.2	201.9	196.6	197.6	202.8	222.0	183.6	195.2	207.1	197.1	189.4
		+19.0	+8.7	+3.4	+4.4	+9.6	+28.8	-9.6	+2.0	+13.9	+3.9	-3.8
성주군	196.3	236.9	227.5	205.9	215.0	220.7	235.8	199.7	234.3	232.2	210.5	217.0
		+40.6	+31.2	+9.6	+18.7	+24.4	+39.5	+3.4	+38.0	+35.9	+14.2	+20.7
안동시	179.7	198.5	194.9	172.6	187.4	190.7	207.0	177.5	182.1	196.7	180.0	179.8
		+18.8	+15.2	-7.1	+7.7	+11.0	+27.3	-2.2	+2.4	+17.0	+0.3	+0.1
영덕군	192.7	234.8	244.8	196.0	222.8	253.8	249.8	200.8	239.1	239.8	209.4	220.0
		+42.1	+52.1	+3.3	+30.1	+61.1	+57.1	+8.1	+46.4	+47.1	+16.7	+27.3
영양군	199.4	211.4	224.3	197.7	206.0	220.9	227.6	203.5	206.3	217.9	201.8	204.9
		+12.0	+24.9	-1.7	+6.6	+21.5	+28.2	+4.1	+6.9	+18.5	+2.4	+5.5
영주시	195.2	195.8	222.6	202.2	222.9	196.2	221.4	191.4	195.1	209.2	212.5	193.2
		+0.6	+27.4	+7.0	+27.7	+1.0	+26.2	-3.8	-0.1	+14.0	+17.3	-2.0
영천시	180.9	209.6	212.0	199.0	209.8	220.5	217.8	178.5	226.8	210.8	204.4	202.7
		+28.7	+31.1	+18.1	+28.9	+39.6	+36.9	-2.4	+45.9	+29.9	+23.5	+21.8
예천군	191.1	195.1	201.2	188.2	200.0	190.0	215.4	181.8	183.1	198.1	194.1	182.4
		+4.0	+10.1	-2.9	+8.9	-1.1	+24.3	-9.3	-8.0	+7.0	+3.0	-8.7
울릉군	233.0	236.9	256.1	255.1	241.3	277.2	268.9	246.4	260.9	246.5	248.2	253.6
		+3.9	+23.1	+22.1	+8.3	+44.2	+35.9	+13.4	+27.9	+13.5	+15.2	+20.6
울진군	227.8	243.8	269.1	216.0	251.1	266.1	272.1	231.0	254.3	256.4	233.6	242.6
		+16.0	+41.3	-11.8	+23.3	+38.3	+44.3	+3.2	+26.5	+28.6	+5.8	+14.8
의성군	169.2	196.3	187.2	171.9	177.9	183.1	197.9	167.7	184.8	191.7	174.9	176.2
		+27.1	+18.0	+2.7	+8.7	+13.9	+28.7	-1.5	+15.6	+22.5	+5.7	+7.0
청도군	199.7	234.2	237.6	206.4	244.9	253.3	242.8	204.8	240.2	235.9	225.7	222.5
		+34.5	+37.9	+6.7	+45.2	+53.6	+43.1	+5.1	+40.5	+36.2	+26.0	+22.8
청송군	172.7	201.2	202.8	188.4	192.1	206.0	206.7	181.2	211.2	202.0	190.3	196.2
		+28.5	+30.1	+15.7	+19.4	+33.3	+34.0	+8.5	+38.5	+29.3	+17.6	+23.5
칠곡군	186.1	219.2	200.7	196.8	199.1	206.3	215.3	186.0	218.6	210.0	197.9	202.3
		+33.1	+14.6	+10.7	+13.0	+20.2	+29.2	-0.1	+32.5	+23.9	+11.8	+16.2
포항시	196.8	246.2	249.0	221.1	228.1	251.6	263.1	219.3	263.4	247.6	224.6	241.3
		+49.4	+52.2	+24.3	+31.3	+54.8	+66.3	+22.5	+66.6	+50.8	+27.8	+44.5

표 4-110. 경상북도의 5일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	193.7	208.3	236.0	218.7	232.2	225.3	260.0	227.7	223.8	222.1	225.4	225.7
		+14.6	+42.3	+25.0	+38.5	+31.6	+66.3	+34.0	+30.1	+28.4	+31.7	+32.0
경산시	186.7	206.0	217.2	213.8	221.4	208.4	237.8	208.3	217.3	211.6	217.6	212.8
		+19.3	+30.5	+27.1	+34.7	+21.7	+51.1	+21.6	+30.6	+24.9	+30.9	+26.1
경주시	190.6	216.4	234.2	222.5	253.0	239.8	271.1	230.9	218.5	225.3	237.8	224.7
		+25.8	+43.6	+31.9	+62.4	+49.2	+80.5	+40.3	+27.9	+34.7	+47.2	+34.1
고령군	208.6	209.6	274.4	241.9	232.9	237.0	267.4	234.5	246.3	242.0	237.4	240.4
		+1.0	+65.8	+33.3	+24.3	+28.4	+58.8	+25.9	+37.7	+33.4	+28.8	+31.8
구미시	182.8	188.9	228.0	199.8	200.3	211.1	231.6	199.5	201.7	208.4	200.1	200.6
		+6.1	+45.2	+17.0	+17.5	+28.3	+48.8	+16.7	+18.9	+25.6	+17.3	+17.8
군위군	177.6	185.0	215.5	187.6	201.7	200.1	226.1	201.1	196.6	200.2	194.6	198.8
		+7.4	+37.9	+10.0	+24.1	+22.5	+48.5	+23.5	+19.0	+22.6	+17.0	+21.2
김천시	185.3	198.2	249.5	228.3	206.7	221.6	258.3	200.9	218.1	223.9	217.5	209.5
		+12.9	+64.2	+43.0	+21.4	+36.3	+73.0	+15.6	+32.8	+38.6	+32.2	+24.2
문경시	198.3	212.0	219.0	230.6	214.3	218.4	243.8	221.1	229.9	215.5	222.5	225.5
		+13.7	+20.7	+32.3	+16.0	+20.1	+45.5	+22.8	+31.6	+17.2	+24.2	+27.2
봉화군	207.4	223.7	231.0	230.0	236.8	226.2	249.5	239.5	232.9	227.3	233.4	236.2
		+16.3	+23.6	+22.6	+29.4	+18.8	+42.1	+32.1	+25.5	+19.9	+26.0	+28.8
상주시	193.2	200.4	220.4	217.9	210.5	214.8	241.9	215.1	219.1	210.4	214.2	217.1
		+7.2	+27.2	+24.7	+17.3	+21.6	+48.7	+21.9	+25.9	+17.2	+21.0	+23.9
성주군	196.3	198.4	260.1	232.8	208.5	221.4	252.4	214.0	230.3	229.2	220.6	222.1
		+2.1	+63.8	+36.5	+12.2	+25.1	+56.1	+17.7	+34.0	+32.9	+24.3	+25.8
안동시	179.7	190.1	208.1	200.8	208.7	193.2	235.0	201.2	204.2	199.1	204.7	202.7
		+10.4	+28.4	+21.1	+29.0	+13.5	+55.3	+21.5	+24.5	+19.4	+25.0	+23.0
영덕군	192.7	216.5	261.7	235.5	268.5	249.7	309.7	258.2	240.6	239.1	252.0	249.4
		+23.8	+69.0	+42.8	+75.8	+57.0	+117.0	+65.5	+47.9	+46.4	+59.3	+56.7
영양군	199.4	209.8	240.6	216.8	247.3	228.6	259.6	242.2	232.6	225.2	232.1	237.4
		+10.4	+41.2	+17.4	+47.9	+29.2	+60.2	+42.8	+33.2	+25.8	+32.7	+38.0
영주시	195.2	217.6	219.3	220.0	225.2	207.0	248.8	224.8	223.5	218.4	222.6	224.2
		+22.4	+24.1	+24.8	+30.0	+11.8	+53.6	+29.6	+28.3	+23.2	+27.4	+29.0
영천시	180.9	201.1	206.7	195.9	222.2	209.3	236.8	204.9	212.5	203.9	209.0	208.7
		+20.2	+25.8	+15.0	+41.3	+28.4	+55.9	+24.0	+31.6	+23.0	+28.1	+27.8
예천군	191.1	202.4	211.7	212.7	208.4	206.5	238.3	216.3	213.5	207.1	210.5	214.9
		+11.3	+20.6	+21.6	+17.3	+15.4	+47.2	+25.2	+22.4	+16.0	+19.4	+23.8
울릉군	233.0	246.1	273.8	235.2	289.3	268.1	322.8	317.9	262.6	259.9	262.2	290.2
		+13.1	+40.8	+2.2	+56.3	+35.1	+89.8	+84.9	+29.6	+26.9	+29.2	+57.2
울진군	227.8	248.9	289.0	242.5	300.3	282.1	348.1	290.4	270.2	269.0	271.4	280.3
		+21.1	+61.2	+14.7	+72.5	+54.3	+120.3	+62.6	+42.4	+41.2	+43.6	+52.5
의성군	169.2	178.2	204.2	188.3	193.5	189.5	222.8	191.9	188.9	191.2	190.9	190.4
		+9.0	+35.0	+19.1	+24.3	+20.3	+53.6	+22.7	+19.7	+22.0	+21.7	+21.2
청도군	199.7	232.2	244.0	235.3	244.8	237.1	252.9	227.1	234.1	238.1	240.1	230.6
		+32.5	+44.3	+35.6	+45.1	+37.4	+53.2	+27.4	+34.4	+38.4	+40.4	+30.9
청송군	172.7	185.9	225.0	198.6	217.6	198.8	238.5	208.3	211.1	205.4	208.1	209.7
		+13.2	+52.3	+25.9	+44.9	+26.1	+65.8	+35.6	+38.4	+32.7	+35.4	+37.0
칠곡군	186.1	194.5	229.6	200.5	201.9	210.3	233.3	205.9	206.6	212.0	201.2	206.2
		+8.4	+43.5	+14.4	+15.8	+24.2	+47.2	+19.8	+20.5	+25.9	+15.1	+20.1
포항시	196.8	218.6	250.1	230.4	278.8	264.0	306.3	255.5	229.6	234.3	254.6	242.5
		+21.8	+53.3	+33.6	+82.0	+67.2	+109.5	+58.7	+32.8	+37.5	+57.8	+45.7

표 4-111. 경상북도의 5일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	193.7	207.5	221.1	245.1	227.2	241.5	243.2	223.9	270.6	214.3	236.2	247.3
		+13.8	+27.4	+51.4	+33.5	+47.8	+49.5	+30.2	+76.9	+20.6	+42.5	+53.6
경산시	186.7	200.4	211.0	248.5	222.5	228.5	234.6	223.6	275.0	205.7	235.5	249.3
		+13.7	+24.3	+61.8	+35.8	+41.8	+47.9	+36.9	+88.3	+19.0	+48.8	+62.6
경주시	190.6	198.9	232.3	280.5	242.7	257.4	262.4	233.4	308.4	215.6	261.6	270.9
		+8.3	+41.7	+89.9	+52.1	+66.8	+71.8	+42.8	+117.8	+25.0	+71.0	+80.3
고령군	208.6	216.7	230.8	257.7	255.2	262.1	266.8	255.4	269.5	223.8	256.5	262.4
		+8.1	+22.2	+49.1	+46.6	+53.5	+58.2	+46.8	+60.9	+15.2	+47.9	+53.8
구미시	182.8	196.7	202.9	205.3	234.7	222.8	212.3	206.1	265.1	199.8	220.0	235.6
		+13.9	+20.1	+22.5	+51.9	+40.0	+29.5	+23.3	+82.3	+17.0	+37.2	+52.8
군위군	177.6	192.1	197.5	204.9	207.9	214.0	205.4	194.3	261.2	194.8	206.4	227.7
		+14.5	+19.9	+27.3	+30.3	+36.4	+27.8	+16.7	+83.6	+17.2	+28.8	+50.1
김천시	185.3	200.9	209.7	235.8	247.9	234.2	237.2	215.4	270.1	205.3	241.9	242.8
		+15.6	+24.4	+50.5	+62.6	+48.9	+51.9	+30.1	+84.8	+20.0	+56.6	+57.5
문경시	198.3	208.7	220.5	224.2	209.4	248.7	244.1	201.4	236.7	214.6	216.8	219.0
		+10.4	+22.2	+25.9	+11.1	+50.4	+45.8	+3.1	+38.4	+16.3	+18.5	+20.7
봉화군	207.4	215.6	218.5	231.5	209.9	259.8	243.2	220.2	248.2	217.1	220.7	234.2
		+8.2	+11.1	+24.1	+2.5	+52.4	+35.8	+12.8	+40.8	+9.7	+13.3	+26.8
상주시	193.2	205.2	210.0	232.1	209.8	234.4	232.5	204.9	253.1	207.6	221.0	229.0
		+12.0	+16.8	+38.9	+16.6	+41.2	+39.3	+11.7	+59.9	+14.4	+27.8	+35.8
성주군	196.3	206.7	220.3	235.4	263.2	249.0	249.3	231.3	264.1	213.5	249.3	247.7
		+10.4	+24.0	+39.1	+66.9	+52.7	+53.0	+35.0	+67.8	+17.2	+53.0	+51.4
안동시	179.7	190.1	206.3	209.9	198.2	222.2	209.2	196.9	250.6	198.2	204.0	223.8
		+10.4	+26.6	+30.2	+18.5	+42.5	+29.5	+17.2	+70.9	+18.5	+24.3	+44.1
영덕군	192.7	208.8	230.2	283.9	230.2	232.1	267.1	249.9	306.3	219.5	257.1	278.1
		+16.1	+37.5	+91.2	+37.5	+39.4	+74.4	+57.2	+113.6	+26.8	+64.4	+85.4
영양군	199.4	216.6	225.1	242.3	218.9	243.8	225.5	227.8	276.9	220.8	230.6	252.3
		+17.2	+25.7	+42.9	+19.5	+44.4	+26.1	+28.4	+77.5	+21.4	+31.2	+52.9
영주시	195.2	211.9	212.2	225.3	210.9	256.0	256.4	210.4	244.2	212.1	218.1	227.3
		+16.7	+17.0	+30.1	+15.7	+60.8	+61.2	+15.2	+49.0	+16.9	+22.9	+32.1
영천시	180.9	192.8	206.9	234.6	216.8	222.9	224.7	209.7	263.9	199.8	225.7	236.8
		+11.9	+26.0	+53.7	+35.9	+42.0	+43.8	+28.8	+83.0	+18.9	+44.8	+55.9
예천군	191.1	200.6	208.9	219.7	203.9	239.8	237.8	196.6	239.8	204.8	211.8	218.2
		+9.5	+17.8	+28.6	+12.8	+48.7	+46.7	+5.5	+48.7	+13.7	+20.7	+27.1
울릉군	233.0	268.7	291.3	298.3	255.0	280.4	266.9	271.3	265.7	280.0	276.7	268.5
		+35.7	+58.3	+65.3	+22.0	+47.4	+33.9	+38.3	+32.7	+47.0	+43.7	+35.5
울진군	227.8	243.5	246.7	305.3	255.1	267.2	265.3	282.0	314.7	245.1	280.2	298.3
		+15.7	+18.9	+77.5	+27.3	+39.4	+37.5	+54.2	+86.9	+17.3	+52.4	+70.5
의성군	169.2	182.9	197.4	198.2	192.8	207.7	196.1	188.4	256.5	190.1	195.5	222.5
		+13.7	+28.2	+29.0	+23.6	+38.5	+26.9	+19.2	+87.3	+20.9	+26.3	+53.3
청도군	199.7	213.5	233.8	276.2	239.4	249.7	263.7	240.6	283.4	223.7	257.8	262.0
		+13.8	+34.1	+76.5	+39.7	+50.0	+64.0	+40.9	+83.7	+24.0	+58.1	+62.3
청송군	172.7	190.7	204.8	214.7	194.0	209.7	214.4	208.1	264.3	197.7	204.3	236.2
		+18.0	+32.1	+42.0	+21.3	+37.0	+41.7	+35.4	+91.6	+25.0	+31.6	+63.5
칠곡군	186.1	198.9	200.2	216.6	240.1	229.7	225.2	206.9	255.3	199.6	228.4	231.1
		+12.8	+14.1	+30.5	+54.0	+43.6	+39.1	+20.8	+69.2	+13.5	+42.3	+45.0
포항시	196.8	210.1	244.4	300.6	247.2	262.0	298.3	249.7	311.1	227.2	273.9	280.4
		+13.3	+47.6	+103.8	+50.4	+65.2	+101.5	+52.9	+114.3	+30.4	+77.1	+83.6

표 4-112. 경상북도의 5일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	193.7	205.2	196.0	239.2	216.2	226.5	244.5	235.5	257.5	200.6	227.7	246.5
		+11.5	+2.3	+45.5	+22.5	+32.8	+50.8	+41.8	+63.8	+6.9	+34.0	+52.8
경산시	186.7	207.3	179.6	232.9	217.5	235.5	249.0	215.4	249.8	193.4	225.2	232.6
		+20.6	-7.1	+46.2	+30.8	+48.8	+62.3	+28.7	+63.1	+6.7	+38.5	+45.9
경주시	190.6	225.4	202.2	258.3	222.9	250.5	259.4	230.0	265.9	213.8	240.6	248.0
		+34.8	+11.6	+67.7	+32.3	+59.9	+68.8	+39.4	+75.3	+23.2	+50.0	+57.4
고령군	208.6	212.3	198.6	259.5	224.4	246.0	271.7	234.1	271.0	205.4	242.0	252.6
		+3.7	-10.0	+50.9	+15.8	+37.4	+63.1	+25.5	+62.4	-3.2	+33.4	+44.0
구미시	182.8	189.0	182.1	225.6	194.7	203.4	219.5	207.3	216.5	185.5	210.1	211.9
		+6.2	-0.7	+42.8	+11.9	+20.6	+36.7	+24.5	+33.7	+2.7	+27.3	+29.1
군위군	177.6	183.7	173.8	205.4	192.0	202.8	216.4	208.1	221.7	178.8	198.7	214.9
		+6.1	-3.8	+27.8	+14.4	+25.2	+38.8	+30.5	+44.1	+1.2	+21.1	+37.3
김천시	185.3	196.5	190.0	253.5	199.0	206.9	220.6	224.3	234.6	193.3	226.2	229.4
		+11.2	+4.7	+68.2	+13.7	+21.6	+35.3	+39.0	+49.3	+8.0	+40.9	+44.1
문경시	198.3	202.5	210.9	231.8	227.2	214.5	226.9	214.5	258.6	206.7	229.5	236.6
		+4.2	+12.6	+33.5	+28.9	+16.2	+28.6	+16.2	+60.3	+8.4	+31.2	+38.3
봉화군	207.4	208.1	209.9	213.3	214.6	212.6	247.2	231.1	237.1	209.0	213.9	234.1
		+0.7	+2.5	+5.9	+7.2	+5.2	+39.8	+23.7	+29.7	+1.6	+6.5	+26.7
상주시	193.2	199.6	203.5	233.8	207.1	209.9	213.8	214.6	252.6	201.5	220.5	233.6
		+6.4	+10.3	+40.6	+13.9	+16.7	+20.6	+21.4	+59.4	+8.3	+27.3	+40.4
성주군	196.3	197.7	187.1	248.4	212.5	228.8	247.9	231.2	250.9	192.4	230.4	241.0
		+1.4	-9.2	+52.1	+16.2	+32.5	+51.6	+34.9	+54.6	-3.9	+34.1	+44.7
안동시	179.7	175.4	181.8	205.2	191.4	191.7	217.1	218.6	227.1	178.6	198.3	222.9
		-4.3	+2.1	+25.5	+11.7	+12.0	+37.4	+38.9	+47.4	-1.1	+18.6	+43.2
영덕군	192.7	217.7	195.9	280.1	237.1	239.8	281.6	298.3	294.6	206.8	258.6	296.4
		+25.0	+3.2	+87.4	+44.4	+47.1	+88.9	+105.6	+101.9	+14.1	+65.9	+103.7
영양군	199.4	211.7	195.5	236.8	223.9	222.1	244.8	239.5	262.0	203.6	230.3	250.8
		+12.3	-3.9	+37.4	+24.5	+22.7	+45.4	+40.1	+62.6	+4.2	+30.9	+51.4
영주시	195.2	198.4	202.1	214.2	221.4	209.3	245.4	218.7	233.3	200.2	217.8	226.0
		+3.2	+6.9	+19.0	+26.2	+14.1	+50.2	+23.5	+38.1	+5.0	+22.6	+30.8
영천시	180.9	195.8	176.3	213.1	211.0	229.6	235.3	212.8	243.6	186.1	212.0	228.2
		+14.9	-4.6	+32.2	+30.1	+48.7	+54.4	+31.9	+62.7	+5.2	+31.1	+47.3
예천군	191.1	191.0	197.3	215.7	214.0	204.2	230.0	209.1	239.9	194.1	214.9	224.5
		-0.1	+6.2	+24.6	+22.9	+13.1	+38.9	+18.0	+48.8	+3.0	+23.8	+33.4
울릉군	233.0	224.2	229.2	272.5	245.4	272.0	253.8	304.1	351.4	226.7	258.9	327.8
		-8.8	-3.8	+39.5	+12.4	+39.0	+20.8	+71.1	+118.4	-6.3	+25.9	+94.8
울진군	227.8	232.9	212.0	280.7	245.6	259.3	291.9	317.8	311.6	222.5	263.2	314.7
		+5.1	-15.8	+52.9	+17.8	+31.5	+64.1	+90.0	+83.8	-5.3	+35.4	+86.9
의성군	169.2	172.4	172.5	202.8	178.8	188.6	202.8	203.4	216.9	172.4	190.8	210.2
		+3.2	+3.3	+33.6	+9.6	+19.4	+33.6	+34.2	+47.7	+3.2	+21.6	+41.0
청도군	199.7	234.8	204.6	269.9	241.2	258.4	277.6	227.6	268.3	219.7	255.6	247.9
		+35.1	+4.9	+70.2	+41.5	+58.7	+77.9	+27.9	+68.6	+20.0	+55.9	+48.2
청송군	172.7	190.2	180.0	218.4	202.1	200.6	226.6	223.2	253.5	185.1	210.3	238.3
		+17.5	+7.3	+45.7	+29.4	+27.9	+53.9	+50.5	+80.8	+12.4	+37.6	+65.6
칠곡군	186.1	191.4	178.2	225.7	201.4	215.0	226.8	216.1	224.8	184.8	213.6	220.5
		+5.3	-7.9	+39.6	+15.3	+28.9	+40.7	+30.0	+38.7	-1.3	+27.5	+34.4
포항시	196.8	233.3	219.7	271.6	231.8	267.5	281.3	275.8	297.4	226.5	251.7	286.6
		+36.5	+22.9	+74.8	+35.0	+70.7	+84.5	+79.0	+100.6	+29.7	+54.9	+89.8



그림 4-38. 경상북도의 95퍼센타일강수일수(일) 전망 분포도

표 4-113. 경상북도의 95퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	4.4	4.4 +0.0	4.9 +0.5	4.4 +0.0	5.0 +0.6	5.4 +1.0	5.1 +0.7	4.2 -0.2	4.5 +0.1	4.6 +0.2	4.7 +0.3	4.4 +0.0
경산시	3.9	4.0 +0.1	4.7 +0.8	4.2 +0.3	4.7 +0.8	5.2 +1.3	4.4 +0.5	3.7 -0.2	4.1 +0.2	4.3 +0.4	4.4 +0.5	3.9 +0.0
경주시	4.3	4.7 +0.4	5.1 +0.8	4.8 +0.5	5.0 +0.7	5.6 +1.3	4.8 +0.5	4.2 -0.1	4.9 +0.6	4.9 +0.6	4.9 +0.6	4.6 +0.3
고령군	4.4	4.3 -0.1	4.6 +0.2	4.3 -0.1	5.3 +0.9	5.5 +1.1	5.1 +0.7	3.9 -0.5	4.4 +0.0	4.5 +0.1	4.8 +0.4	4.1 -0.3
구미시	4.1	3.8 -0.3	4.2 +0.1	3.9 -0.2	4.6 +0.5	5.0 +0.9	4.9 +0.8	3.6 -0.5	4.0 -0.1	4.0 -0.1	4.2 +0.1	3.8 -0.3
군위군	4.2	3.9 -0.3	4.5 +0.3	4.1 -0.1	4.9 +0.7	5.3 +1.1	5.0 +0.8	3.8 -0.4	4.3 +0.1	4.2 +0.0	4.5 +0.3	4.1 -0.1
김천시	4.5	4.5 +0.0	4.8 +0.3	4.1 -0.4	4.9 +0.4	5.5 +1.0	5.1 +0.6	3.9 -0.6	4.0 -0.5	4.7 +0.2	4.5 +0.0	3.9 -0.6
문경시	4.7	4.4 -0.3	4.8 +0.1	4.3 -0.4	5.0 +0.3	5.3 +0.6	5.3 +0.6	4.5 -0.2	4.3 -0.4	4.6 -0.1	4.6 -0.1	4.4 -0.3
봉화군	4.5	4.5 +0.0	5.2 +0.7	4.5 +0.0	5.1 +0.6	4.9 +0.4	5.4 +0.9	4.5 +0.0	4.9 +0.4	4.9 +0.4	4.8 +0.3	4.7 +0.2
상주시	4.4	4.4 +0.0	4.6 +0.2	3.8 -0.6	4.8 +0.4	5.4 +1.0	5.1 +0.7	4.1 -0.3	4.1 -0.3	4.5 +0.1	4.3 -0.1	4.1 -0.3
성주군	4.5	4.3 -0.2	4.8 +0.3	4.2 -0.3	5.3 +0.8	5.4 +0.9	5.1 +0.6	3.9 -0.6	4.3 -0.2	4.5 +0.0	4.8 +0.3	4.1 -0.4
안동시	4.3	4.2 -0.1	4.7 +0.4	4.1 -0.2	4.9 +0.6	5.1 +0.8	5.4 +1.1	4.2 -0.1	4.5 +0.2	4.4 +0.1	4.5 +0.2	4.3 +0.0
영덕군	4.2	4.1 -0.1	4.8 +0.6	4.2 +0.0	4.9 +0.7	5.4 +1.2	5.0 +0.8	4.2 +0.0	4.4 +0.2	4.4 +0.2	4.6 +0.4	4.3 +0.1
영양군	4.4	4.3 -0.1	4.9 +0.5	4.3 -0.1	4.9 +0.5	5.3 +0.9	5.4 +1.0	4.1 -0.3	4.7 +0.3	4.6 +0.2	4.6 +0.2	4.4 +0.0
영주시	4.3	4.3 +0.0	4.7 +0.4	4.1 -0.2	4.9 +0.6	4.5 +0.2	5.1 +0.8	4.6 +0.3	4.6 +0.3	4.5 +0.2	4.5 +0.2	4.6 +0.3
영천시	4.2	4.1 -0.1	4.7 +0.5	4.3 +0.1	4.9 +0.7	5.3 +1.1	4.8 +0.6	3.8 -0.4	4.3 +0.1	4.4 +0.2	4.6 +0.4	4.1 -0.1
예천군	4.4	4.1 -0.3	4.7 +0.3	4.0 -0.4	4.8 +0.4	4.9 +0.5	5.3 +0.9	4.4 +0.0	4.4 +0.0	4.4 +0.0	4.4 +0.0	4.4 +0.0
울릉군	6.5	6.7 +0.2	7.8 +1.3	7.1 +0.6	6.9 +0.4	8.1 +1.6	7.9 +1.4	6.8 +0.3	7.3 +0.8	7.3 +0.8	7.0 +0.5	7.0 +0.5
울진군	4.2	4.4 +0.2	5.1 +0.9	4.4 +0.2	4.6 +0.4	5.4 +1.2	5.0 +0.8	4.3 +0.1	4.8 +0.6	4.7 +0.5	4.5 +0.3	4.5 +0.3
의성군	4.1	4.0 -0.1	4.3 +0.2	3.8 -0.3	4.7 +0.6	5.1 +1.0	5.0 +0.9	3.7 -0.4	4.2 +0.1	4.1 +0.0	4.2 +0.1	3.9 -0.2
청도군	4.2	4.4 +0.2	4.9 +0.7	4.5 +0.3	4.9 +0.7	5.5 +1.3	4.6 +0.4	4.1 -0.1	4.4 +0.2	4.6 +0.4	4.7 +0.5	4.2 +0.0
청송군	4.2	3.9 -0.3	4.4 +0.2	4.1 -0.1	4.9 +0.7	5.0 +0.8	4.8 +0.6	3.7 -0.5	4.3 +0.1	4.2 +0.0	4.5 +0.3	4.0 -0.2
칠곡군	4.4	4.0 -0.4	4.5 +0.1	4.3 -0.1	5.1 +0.7	5.2 +0.8	5.0 +0.6	3.9 -0.5	4.4 +0.0	4.3 -0.1	4.7 +0.3	4.2 -0.2
포항시	4.3	4.7 +0.4	5.1 +0.8	4.8 +0.5	4.9 +0.6	5.8 +1.5	4.9 +0.6	4.2 -0.1	5.0 +0.7	4.9 +0.6	4.8 +0.5	4.6 +0.3

표 4-114. 경상북도의 95퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	4.4	4.3	5.1	4.5	5.1	4.7	6.4	5.2	4.9	4.7	4.8	5.1
		-0.1	+0.7	+0.1	+0.7	+0.3	+2.0	+0.8	+0.5	+0.3	+0.4	+0.7
경산시	3.9	3.6	4.5	3.8	4.5	4.1	5.6	4.5	4.4	4.0	4.1	4.5
		-0.3	+0.6	-0.1	+0.6	+0.2	+1.7	+0.6	+0.5	+0.1	+0.2	+0.6
경주시	4.3	4.3	5.3	4.2	5.0	4.9	6.1	5.5	5.2	4.8	4.6	5.4
		+0.0	+1.0	-0.1	+0.7	+0.6	+1.8	+1.2	+0.9	+0.5	+0.3	+1.1
고령군	4.4	4.1	4.9	4.0	4.5	4.7	6.1	4.7	4.3	4.5	4.2	4.5
		-0.3	+0.5	-0.4	+0.1	+0.3	+1.7	+0.3	-0.1	+0.1	-0.2	+0.1
구미시	4.1	3.8	4.8	3.9	4.4	4.3	5.9	4.5	4.1	4.3	4.1	4.3
		-0.3	+0.7	-0.2	+0.3	+0.2	+1.8	+0.4	+0.0	+0.2	+0.0	+0.2
군위군	4.2	3.9	4.8	4.1	4.7	4.5	6.0	4.7	4.5	4.3	4.4	4.6
		-0.3	+0.6	-0.1	+0.5	+0.3	+1.8	+0.5	+0.3	+0.1	+0.2	+0.4
김천시	4.5	4.1	5.0	4.3	4.4	4.5	6.5	4.8	4.4	4.5	4.4	4.6
		-0.4	+0.5	-0.2	-0.1	+0.0	+2.0	+0.3	-0.1	+0.0	-0.1	+0.1
문경시	4.7	4.9	5.1	5.0	5.2	5.2	6.6	5.0	4.8	5.0	5.1	4.9
		+0.2	+0.4	+0.3	+0.5	+0.5	+1.9	+0.3	+0.1	+0.3	+0.4	+0.2
봉화군	4.5	4.8	5.2	4.9	5.8	4.6	6.6	5.8	5.3	5.0	5.4	5.5
		+0.3	+0.7	+0.4	+1.3	+0.1	+2.1	+1.3	+0.8	+0.5	+0.9	+1.0
상주시	4.4	4.3	4.7	4.7	4.8	4.7	6.3	4.8	4.6	4.5	4.7	4.7
		-0.1	+0.3	+0.3	+0.4	+0.3	+1.9	+0.4	+0.2	+0.1	+0.3	+0.3
성주군	4.5	4.0	5.0	4.1	4.4	4.7	6.3	4.6	4.2	4.5	4.2	4.4
		-0.5	+0.5	-0.4	-0.1	+0.2	+1.8	+0.1	-0.3	+0.0	-0.3	-0.1
안동시	4.3	4.3	4.9	4.7	5.4	4.4	6.1	5.2	4.9	4.6	5.1	5.1
		+0.0	+0.6	+0.4	+1.1	+0.1	+1.8	+0.9	+0.6	+0.3	+0.8	+0.8
영덕군	4.2	4.2	5.1	4.6	5.1	4.3	6.2	5.7	5.6	4.6	4.9	5.7
		+0.0	+0.9	+0.4	+0.9	+0.1	+2.0	+1.5	+1.4	+0.4	+0.7	+1.5
영양군	4.4	4.4	5.4	5.0	5.5	4.8	6.5	5.5	5.3	4.9	5.2	5.4
		+0.0	+1.0	+0.6	+1.1	+0.4	+2.1	+1.1	+0.9	+0.5	+0.8	+1.0
영주시	4.3	4.6	4.9	4.6	5.2	4.6	6.1	5.2	4.9	4.7	4.9	5.0
		+0.3	+0.6	+0.3	+0.9	+0.3	+1.8	+0.9	+0.6	+0.4	+0.6	+0.7
영천시	4.2	4.0	4.8	3.9	4.7	4.4	6.1	4.7	4.6	4.4	4.3	4.7
		-0.2	+0.6	-0.3	+0.5	+0.2	+1.9	+0.5	+0.4	+0.2	+0.1	+0.5
예천군	4.4	4.6	4.8	4.7	5.0	4.6	6.3	5.1	4.7	4.7	4.9	4.9
		+0.2	+0.4	+0.3	+0.6	+0.2	+1.9	+0.7	+0.3	+0.3	+0.5	+0.5
울릉군	6.5	7.1	7.2	6.6	7.8	7.4	8.6	8.6	7.9	7.2	7.2	8.2
		+0.6	+0.7	+0.1	+1.3	+0.9	+2.1	+2.1	+1.4	+0.7	+0.7	+1.7
울진군	4.2	4.3	4.9	4.5	5.4	4.8	6.4	5.7	5.4	4.6	4.9	5.5
		+0.1	+0.7	+0.3	+1.2	+0.6	+2.2	+1.5	+1.2	+0.4	+0.7	+1.3
의성군	4.1	3.9	4.6	4.2	4.7	4.3	5.9	4.8	4.4	4.2	4.5	4.6
		-0.2	+0.5	+0.1	+0.6	+0.2	+1.8	+0.7	+0.3	+0.1	+0.4	+0.5
청도군	4.2	4.1	4.9	4.2	4.7	4.3	6.1	5.0	5.0	4.5	4.4	5.0
		-0.1	+0.7	+0.0	+0.5	+0.1	+1.9	+0.8	+0.8	+0.3	+0.2	+0.8
청송군	4.2	4.1	4.9	4.2	5.1	4.2	6.1	5.0	4.7	4.5	4.6	4.9
		-0.1	+0.7	+0.0	+0.9	+0.0	+1.9	+0.8	+0.5	+0.3	+0.4	+0.7
칠곡군	4.4	4.0	4.9	4.0	4.7	4.6	6.3	4.6	4.3	4.4	4.3	4.5
		-0.4	+0.5	-0.4	+0.3	+0.2	+1.9	+0.2	-0.1	+0.0	-0.1	+0.1
포항시	4.3	4.6	5.4	4.5	5.3	5.0	6.6	5.8	5.2	5.0	4.9	5.5
		+0.3	+1.1	+0.2	+1.0	+0.7	+2.3	+1.5	+0.9	+0.7	+0.6	+1.2

표 4-115. 경상북도의 95퍼센타일강수량수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	4.4	4.3	5.3	4.6	4.9	5.4	5.6	5.0	5.0	4.8	4.7	5.0
		-0.1	+0.9	+0.2	+0.5	+1.0	+1.2	+0.6	+0.6	+0.4	+0.3	+0.6
경산시	3.9	3.6	4.9	4.2	4.1	4.6	4.8	4.5	4.6	4.2	4.1	4.5
		-0.3	+1.0	+0.3	+0.2	+0.7	+0.9	+0.6	+0.7	+0.3	+0.2	+0.6
경주시	4.3	4.2	5.5	5.0	5.0	5.6	6.0	5.1	5.5	4.8	5.0	5.3
		-0.1	+1.2	+0.7	+0.7	+1.3	+1.7	+0.8	+1.2	+0.5	+0.7	+1.0
고령군	4.4	3.9	5.2	4.5	4.4	5.1	5.4	4.6	5.1	4.5	4.5	4.9
		-0.5	+0.8	+0.1	+0.0	+0.7	+1.0	+0.2	+0.7	+0.1	+0.1	+0.5
구미시	4.1	3.9	4.6	3.9	4.7	5.0	4.7	4.4	4.4	4.2	4.3	4.4
		-0.2	+0.5	-0.2	+0.6	+0.9	+0.6	+0.3	+0.3	+0.1	+0.2	+0.3
군위군	4.2	4.0	4.8	4.0	4.5	5.0	4.9	4.4	4.4	4.4	4.2	4.4
		-0.2	+0.6	-0.2	+0.3	+0.8	+0.7	+0.2	+0.2	+0.2	+0.0	+0.2
김천시	4.5	4.3	5.1	4.4	5.1	5.2	5.1	4.8	4.7	4.7	4.7	4.8
		-0.2	+0.6	-0.1	+0.6	+0.7	+0.6	+0.3	+0.2	+0.2	+0.2	+0.3
문경시	4.7	4.7	5.7	4.4	4.8	5.7	6.0	4.8	4.6	5.2	4.6	4.7
		+0.0	+1.0	-0.3	+0.1	+1.0	+1.3	+0.1	-0.1	+0.5	-0.1	+0.0
봉화군	4.5	4.8	5.6	5.0	5.1	5.9	6.0	5.3	5.1	5.2	5.0	5.2
		+0.3	+1.1	+0.5	+0.6	+1.4	+1.5	+0.8	+0.6	+0.7	+0.5	+0.7
상주시	4.4	4.6	5.4	4.2	4.8	5.3	5.5	4.6	4.5	5.0	4.5	4.5
		+0.2	+1.0	-0.2	+0.4	+0.9	+1.1	+0.2	+0.1	+0.6	+0.1	+0.1
성주군	4.5	4.1	5.1	4.4	4.7	5.1	5.2	4.5	4.7	4.6	4.5	4.6
		-0.4	+0.6	-0.1	+0.2	+0.6	+0.7	+0.0	+0.2	+0.1	+0.0	+0.1
안동시	4.3	4.4	5.5	4.4	4.7	5.5	5.5	4.9	4.5	5.0	4.6	4.7
		+0.1	+1.2	+0.1	+0.4	+1.2	+1.2	+0.6	+0.2	+0.7	+0.3	+0.4
영덕군	4.2	3.9	5.0	4.5	5.1	5.2	5.5	5.5	5.1	4.5	4.8	5.3
		-0.3	+0.8	+0.3	+0.9	+1.0	+1.3	+1.3	+0.9	+0.3	+0.6	+1.1
영양군	4.4	4.3	5.4	4.8	5.0	5.4	5.7	5.4	5.0	4.8	4.9	5.2
		-0.1	+1.0	+0.4	+0.6	+1.0	+1.3	+1.0	+0.6	+0.4	+0.5	+0.8
영주시	4.3	4.5	5.3	4.5	4.8	5.6	5.7	5.0	4.7	4.9	4.6	4.8
		+0.2	+1.0	+0.2	+0.5	+1.3	+1.4	+0.7	+0.4	+0.6	+0.3	+0.5
영천시	4.2	4.0	5.1	4.3	4.3	4.8	5.1	4.6	5.0	4.5	4.3	4.8
		-0.2	+0.9	+0.1	+0.1	+0.6	+0.9	+0.4	+0.8	+0.3	+0.1	+0.6
예천군	4.4	4.7	5.4	4.2	4.6	5.5	5.8	4.9	4.6	5.1	4.4	4.7
		+0.3	+1.0	-0.2	+0.2	+1.1	+1.4	+0.5	+0.2	+0.7	+0.0	+0.3
울릉군	6.5	6.5	8.0	7.2	7.5	7.6	8.2	7.8	7.5	7.2	7.3	7.6
		+0.0	+1.5	+0.7	+1.0	+1.1	+1.7	+1.3	+1.0	+0.7	+0.8	+1.1
울진군	4.2	4.2	4.9	4.9	5.4	5.4	5.9	5.5	5.7	4.5	5.2	5.6
		+0.0	+0.7	+0.7	+1.2	+1.2	+1.7	+1.3	+1.5	+0.3	+1.0	+1.4
의성군	4.1	4.0	4.9	3.9	4.3	5.0	4.9	4.4	4.1	4.4	4.1	4.3
		-0.1	+0.8	-0.2	+0.2	+0.9	+0.8	+0.3	+0.0	+0.3	+0.0	+0.2
청도군	4.2	4.0	5.3	4.7	4.5	5.3	5.6	5.1	5.2	4.7	4.6	5.1
		-0.2	+1.1	+0.5	+0.3	+1.1	+1.4	+0.9	+1.0	+0.5	+0.4	+0.9
청송군	4.2	4.1	5.0	4.0	4.3	4.8	5.1	5.0	4.4	4.5	4.2	4.7
		-0.1	+0.8	-0.2	+0.1	+0.6	+0.9	+0.8	+0.2	+0.3	+0.0	+0.5
칠곡군	4.4	4.0	4.9	4.1	4.6	5.1	5.0	4.7	4.7	4.5	4.4	4.7
		-0.4	+0.5	-0.3	+0.2	+0.7	+0.6	+0.3	+0.3	+0.1	+0.0	+0.3
포항시	4.3	4.3	5.7	5.1	5.0	5.6	6.1	5.3	5.6	5.0	5.1	5.4
		+0.0	+1.4	+0.8	+0.7	+1.3	+1.8	+1.0	+1.3	+0.7	+0.8	+1.1

표 4-116. 경상북도의 95퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	4.4	4.3	4.1	4.5	4.8	5.0	5.3	5.2	6.0	4.2	4.6	5.6
		-0.1	-0.3	+0.1	+0.4	+0.6	+0.9	+0.8	+1.6	-0.2	+0.2	+1.2
경산시	3.9	3.7	3.4	4.1	4.3	4.5	4.4	4.4	5.1	3.5	4.2	4.8
		-0.2	-0.5	+0.2	+0.4	+0.6	+0.5	+0.5	+1.2	-0.4	+0.3	+0.9
경주시	4.3	4.5	4.1	4.8	4.8	5.4	5.6	5.4	6.3	4.3	4.8	5.9
		+0.2	-0.2	+0.5	+0.5	+1.1	+1.3	+1.1	+2.0	+0.0	+0.5	+1.6
고령군	4.4	3.8	3.7	4.3	4.5	4.7	4.8	4.9	5.4	3.7	4.4	5.1
		-0.6	-0.7	-0.1	+0.1	+0.3	+0.4	+0.5	+1.0	-0.7	+0.0	+0.7
구미시	4.1	3.7	3.6	3.9	4.2	4.6	4.6	4.4	5.2	3.6	4.1	4.8
		-0.4	-0.5	-0.2	+0.1	+0.5	+0.5	+0.3	+1.1	-0.5	+0.0	+0.7
군위군	4.2	4.0	3.8	4.1	4.4	4.6	4.6	4.4	5.4	3.9	4.2	4.9
		-0.2	-0.4	-0.1	+0.2	+0.4	+0.4	+0.2	+1.2	-0.3	+0.0	+0.7
김천시	4.5	3.9	4.1	4.2	4.7	5.0	5.0	4.8	5.2	4.0	4.5	5.0
		-0.6	-0.4	-0.3	+0.2	+0.5	+0.5	+0.3	+0.7	-0.5	+0.0	+0.5
문경시	4.7	4.5	4.7	4.3	4.7	4.6	5.4	5.3	6.1	4.6	4.5	5.7
		-0.2	+0.0	-0.4	+0.0	-0.1	+0.7	+0.6	+1.4	-0.1	-0.2	+1.0
봉화군	4.5	4.7	4.2	4.6	5.4	5.2	5.6	5.9	6.7	4.5	5.0	6.3
		+0.2	-0.3	+0.1	+0.9	+0.7	+1.1	+1.4	+2.2	+0.0	+0.5	+1.8
상주시	4.4	4.0	4.6	4.2	4.5	4.6	5.1	4.9	5.7	4.3	4.4	5.3
		-0.4	+0.2	-0.2	+0.1	+0.2	+0.7	+0.5	+1.3	-0.1	+0.0	+0.9
성주군	4.5	3.9	3.6	4.3	4.4	4.7	4.9	4.9	5.3	3.8	4.3	5.1
		-0.6	-0.9	-0.2	-0.1	+0.2	+0.4	+0.4	+0.8	-0.7	-0.2	+0.6
안동시	4.3	4.1	4.4	4.4	4.9	5.2	5.3	5.1	5.8	4.3	4.7	5.5
		-0.2	+0.1	+0.1	+0.6	+0.9	+1.0	+0.8	+1.5	+0.0	+0.4	+1.2
영덕군	4.2	4.4	3.7	4.7	4.6	4.9	5.6	5.8	6.8	4.1	4.7	6.3
		+0.2	-0.5	+0.5	+0.4	+0.7	+1.4	+1.6	+2.6	-0.1	+0.5	+2.1
영양군	4.4	4.6	4.3	5.1	5.0	5.3	5.3	5.7	6.1	4.4	5.1	5.9
		+0.2	-0.1	+0.7	+0.6	+0.9	+0.9	+1.3	+1.7	+0.0	+0.7	+1.5
영주시	4.3	4.2	4.0	4.2	5.2	4.7	5.2	5.4	6.0	4.1	4.7	5.7
		-0.1	-0.3	-0.1	+0.9	+0.4	+0.9	+1.1	+1.7	-0.2	+0.4	+1.4
영천시	4.2	4.0	3.9	4.3	4.5	4.9	4.7	4.7	5.8	3.9	4.4	5.3
		-0.2	-0.3	+0.1	+0.3	+0.7	+0.5	+0.5	+1.6	-0.3	+0.2	+1.1
예천군	4.4	4.1	4.2	4.2	4.9	4.6	5.5	5.3	6.0	4.2	4.6	5.7
		-0.3	-0.2	-0.2	+0.5	+0.2	+1.1	+0.9	+1.6	-0.2	+0.2	+1.3
울릉군	6.5	6.6	6.4	6.8	6.8	7.3	7.9	8.3	9.1	6.5	6.8	8.7
		+0.1	-0.1	+0.3	+0.3	+0.8	+1.4	+1.8	+2.6	+0.0	+0.3	+2.2
울진군	4.2	4.6	4.0	5.1	5.0	5.0	5.3	6.0	7.1	4.3	5.0	6.5
		+0.4	-0.2	+0.9	+0.8	+0.8	+1.1	+1.8	+2.9	+0.1	+0.8	+2.3
의성군	4.1	3.8	4.1	4.0	4.3	4.6	4.8	4.5	5.3	4.0	4.1	4.9
		-0.3	+0.0	-0.1	+0.2	+0.5	+0.7	+0.4	+1.2	-0.1	+0.0	+0.8
청도군	4.2	4.1	3.8	4.5	4.7	5.4	5.3	4.9	5.8	3.9	4.6	5.4
		-0.1	-0.4	+0.3	+0.5	+1.2	+1.1	+0.7	+1.6	-0.3	+0.4	+1.2
청송군	4.2	4.1	3.7	4.4	4.3	4.5	5.0	4.9	5.5	3.9	4.3	5.2
		-0.1	-0.5	+0.2	+0.1	+0.3	+0.8	+0.7	+1.3	-0.3	+0.1	+1.0
칠곡군	4.4	4.1	3.6	4.1	4.5	4.8	4.9	4.5	5.4	3.8	4.3	4.9
		-0.3	-0.8	-0.3	+0.1	+0.4	+0.5	+0.1	+1.0	-0.6	-0.1	+0.5
포항시	4.3	4.6	4.3	4.9	4.9	5.5	6.0	5.5	6.6	4.4	4.9	6.1
		+0.3	+0.0	+0.6	+0.6	+1.2	+1.7	+1.2	+2.3	+0.1	+0.6	+1.8



그림 4-39. 경상북도의 99퍼센타일강수일수(일) 전망 분포도

표 4-117. 경상북도의 99퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	1.2	1.3	1.5	1.3	1.5	1.6	1.6	1.3	1.5	1.4	1.4	1.4
		+0.1	+0.3	+0.1	+0.3	+0.4	+0.4	+0.1	+0.3	+0.2	+0.2	+0.2
경산시	1.1	1.3	1.3	1.2	1.5	1.6	1.3	1.0	1.4	1.3	1.4	1.2
		+0.2	+0.2	+0.1	+0.4	+0.5	+0.2	-0.1	+0.3	+0.2	+0.3	+0.1
경주시	1.2	1.1	1.3	1.2	1.5	1.7	1.1	1.1	1.3	1.2	1.3	1.2
		-0.1	+0.1	+0.0	+0.3	+0.5	-0.1	-0.1	+0.1	+0.0	+0.1	+0.0
고령군	1.3	1.4	1.4	1.2	1.3	1.3	1.3	1.2	1.4	1.4	1.3	1.3
		+0.1	+0.1	-0.1	+0.0	+0.0	+0.0	-0.1	+0.1	+0.1	+0.0	+0.0
구미시	1.3	1.4	1.6	1.2	1.4	1.5	1.5	1.3	1.5	1.5	1.3	1.4
		+0.1	+0.3	-0.1	+0.1	+0.2	+0.2	+0.0	+0.2	+0.2	+0.0	+0.1
군위군	1.3	1.3	1.5	1.2	1.4	1.6	1.6	1.3	1.5	1.4	1.3	1.4
		+0.0	+0.2	-0.1	+0.1	+0.3	+0.3	+0.0	+0.2	+0.1	+0.0	+0.1
김천시	1.3	1.5	1.6	1.2	1.3	1.5	1.4	1.2	1.5	1.6	1.2	1.3
		+0.2	+0.3	-0.1	+0.0	+0.2	+0.1	-0.1	+0.2	+0.3	-0.1	+0.0
문경시	1.3	1.3	1.4	1.2	1.8	1.7	1.8	1.1	1.3	1.3	1.5	1.2
		+0.0	+0.1	-0.1	+0.5	+0.4	+0.5	-0.2	+0.0	+0.0	+0.2	-0.1
봉화군	1.2	1.2	1.4	1.3	1.7	1.4	1.5	1.4	1.3	1.3	1.5	1.3
		+0.0	+0.2	+0.1	+0.5	+0.2	+0.3	+0.2	+0.1	+0.1	+0.3	+0.1
상주시	1.3	1.2	1.5	1.2	1.6	1.6	1.8	1.2	1.4	1.4	1.4	1.3
		-0.1	+0.2	-0.1	+0.3	+0.3	+0.5	-0.1	+0.1	+0.1	+0.1	+0.0
성주군	1.1	1.2	1.3	1.2	1.3	1.3	1.3	1.2	1.3	1.2	1.2	1.2
		+0.1	+0.2	+0.1	+0.2	+0.2	+0.2	+0.1	+0.2	+0.1	+0.1	+0.1
안동시	1.2	1.2	1.4	1.2	1.6	1.6	1.8	1.4	1.6	1.3	1.4	1.5
		+0.0	+0.2	+0.0	+0.4	+0.4	+0.6	+0.2	+0.4	+0.1	+0.2	+0.3
영덕군	0.9	1.3	1.5	1.1	1.3	1.8	1.4	1.1	1.6	1.4	1.2	1.3
		+0.4	+0.6	+0.2	+0.4	+0.9	+0.5	+0.2	+0.7	+0.5	+0.3	+0.4
영양군	1.3	1.3	1.6	1.3	1.4	1.8	1.8	1.6	1.8	1.5	1.4	1.7
		+0.0	+0.3	+0.0	+0.1	+0.5	+0.5	+0.3	+0.5	+0.2	+0.1	+0.4
영주시	1.2	1.2	1.6	1.5	1.8	1.4	1.6	1.2	1.3	1.4	1.7	1.2
		+0.0	+0.4	+0.3	+0.6	+0.2	+0.4	+0.0	+0.1	+0.2	+0.5	+0.0
영천시	1.2	1.3	1.4	1.2	1.6	1.7	1.3	1.1	1.3	1.4	1.4	1.2
		+0.1	+0.2	+0.0	+0.4	+0.5	+0.1	-0.1	+0.1	+0.2	+0.2	+0.0
예천군	1.2	1.2	1.5	1.4	1.6	1.5	1.9	1.1	1.3	1.4	1.5	1.2
		+0.0	+0.3	+0.2	+0.4	+0.3	+0.7	-0.1	+0.1	+0.2	+0.3	+0.0
울릉군	1.8	2.1	2.4	2.0	2.3	2.8	2.9	2.2	2.4	2.3	2.2	2.3
		+0.3	+0.6	+0.2	+0.5	+1.0	+1.1	+0.4	+0.6	+0.5	+0.4	+0.5
울진군	1.1	1.2	1.6	1.1	1.3	1.6	1.6	1.3	1.6	1.4	1.2	1.5
		+0.1	+0.5	+0.0	+0.2	+0.5	+0.5	+0.2	+0.5	+0.3	+0.1	+0.4
의성군	1.3	1.3	1.5	1.1	1.5	1.6	1.7	1.4	1.6	1.4	1.3	1.5
		+0.0	+0.2	-0.2	+0.2	+0.3	+0.4	+0.1	+0.3	+0.1	+0.0	+0.2
청도군	1.1	1.2	1.3	1.2	1.6	1.7	1.3	1.2	1.4	1.3	1.4	1.3
		+0.1	+0.2	+0.1	+0.5	+0.6	+0.2	+0.1	+0.3	+0.2	+0.3	+0.2
청송군	1.3	1.3	1.6	1.2	1.4	1.7	1.6	1.4	1.8	1.4	1.3	1.6
		+0.0	+0.3	-0.1	+0.1	+0.4	+0.3	+0.1	+0.5	+0.1	+0.0	+0.3
칠곡군	1.2	1.3	1.4	1.2	1.4	1.4	1.5	1.2	1.3	1.3	1.3	1.2
		+0.1	+0.2	+0.0	+0.2	+0.2	+0.3	+0.0	+0.1	+0.1	+0.1	+0.0
포항시	1.1	1.2	1.4	1.3	1.3	1.7	1.2	1.1	1.4	1.3	1.3	1.3
		+0.1	+0.3	+0.2	+0.2	+0.6	+0.1	+0.0	+0.3	+0.2	+0.2	+0.2

표 4-118. 경상북도의 99퍼센타일강수량수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	1.2	1.3	1.8	1.3	1.7	1.6	2.2	1.7	1.5	1.5	1.5	1.6
		+0.1	+0.6	+0.1	+0.5	+0.4	+1.0	+0.5	+0.3	+0.3	+0.3	+0.4
경산시	1.1	1.3	1.5	1.0	1.3	1.4	2.0	1.5	1.4	1.4	1.1	1.4
		+0.2	+0.4	-0.1	+0.2	+0.3	+0.9	+0.4	+0.3	+0.3	+0.0	+0.3
경주시	1.2	1.1	1.6	1.1	1.5	1.4	1.9	1.5	1.3	1.4	1.3	1.4
		-0.1	+0.4	-0.1	+0.3	+0.2	+0.7	+0.3	+0.1	+0.2	+0.1	+0.2
고령군	1.3	1.0	1.8	1.2	1.3	1.3	1.8	1.3	1.4	1.4	1.2	1.4
		-0.3	+0.5	-0.1	+0.0	+0.0	+0.5	+0.0	+0.1	+0.1	-0.1	+0.1
구미시	1.3	1.1	1.8	1.1	1.6	1.5	2.2	1.5	1.2	1.5	1.4	1.4
		-0.2	+0.5	-0.2	+0.3	+0.2	+0.9	+0.2	-0.1	+0.2	+0.1	+0.1
군위군	1.3	1.3	1.8	1.1	1.6	1.5	2.4	1.7	1.3	1.5	1.4	1.5
		+0.0	+0.5	-0.2	+0.3	+0.2	+1.1	+0.4	+0.0	+0.2	+0.1	+0.2
김천시	1.3	1.2	1.8	1.2	1.4	1.5	2.0	1.5	1.2	1.5	1.3	1.3
		-0.1	+0.5	-0.1	+0.1	+0.2	+0.7	+0.2	-0.1	+0.2	+0.0	+0.0
문경시	1.3	1.5	1.7	1.7	1.8	1.8	2.3	1.7	1.6	1.6	1.8	1.6
		+0.2	+0.4	+0.4	+0.5	+0.5	+1.0	+0.4	+0.3	+0.3	+0.5	+0.3
봉화군	1.2	1.4	1.7	1.4	2.0	1.6	2.3	1.7	1.7	1.6	1.7	1.7
		+0.2	+0.5	+0.2	+0.8	+0.4	+1.1	+0.5	+0.5	+0.4	+0.5	+0.5
상주시	1.3	1.3	1.8	1.6	1.6	1.5	2.2	1.6	1.4	1.6	1.6	1.5
		+0.0	+0.5	+0.3	+0.3	+0.2	+0.9	+0.3	+0.1	+0.3	+0.3	+0.2
성주군	1.1	1.1	1.6	1.1	1.1	1.1	1.8	1.2	1.1	1.4	1.1	1.2
		+0.0	+0.5	+0.0	+0.0	+0.0	+0.7	+0.1	+0.0	+0.3	+0.0	+0.1
안동시	1.2	1.4	1.8	1.4	2.0	1.7	2.5	1.8	1.7	1.6	1.7	1.8
		+0.2	+0.6	+0.2	+0.8	+0.5	+1.3	+0.6	+0.5	+0.4	+0.5	+0.6
영덕군	0.9	1.2	1.8	1.4	1.9	1.5	2.4	1.9	1.9	1.5	1.7	1.9
		+0.3	+0.9	+0.5	+1.0	+0.6	+1.5	+1.0	+1.0	+0.6	+0.8	+1.0
영양군	1.3	1.5	1.8	1.6	2.2	1.7	2.8	2.3	2.1	1.6	1.9	2.2
		+0.2	+0.5	+0.3	+0.9	+0.4	+1.5	+1.0	+0.8	+0.3	+0.6	+0.9
영주시	1.2	1.4	1.7	1.6	1.9	1.7	2.2	1.8	1.7	1.6	1.7	1.7
		+0.2	+0.5	+0.4	+0.7	+0.5	+1.0	+0.6	+0.5	+0.4	+0.5	+0.5
영천시	1.2	1.3	1.6	1.0	1.4	1.6	2.2	1.7	1.6	1.4	1.2	1.6
		+0.1	+0.4	-0.2	+0.2	+0.4	+1.0	+0.5	+0.4	+0.2	+0.0	+0.4
예천군	1.2	1.4	1.7	1.5	1.8	1.6	2.3	1.7	1.5	1.6	1.6	1.6
		+0.2	+0.5	+0.3	+0.6	+0.4	+1.1	+0.5	+0.3	+0.4	+0.4	+0.4
울릉군	1.8	2.0	2.5	1.9	3.0	2.5	3.2	3.2	2.4	2.3	2.4	2.8
		+0.2	+0.7	+0.1	+1.2	+0.7	+1.4	+1.4	+0.6	+0.5	+0.6	+1.0
울진군	1.1	1.3	1.5	1.3	2.0	1.6	2.5	1.9	1.9	1.4	1.7	1.9
		+0.2	+0.4	+0.2	+0.9	+0.5	+1.4	+0.8	+0.8	+0.3	+0.6	+0.8
의성군	1.3	1.3	1.8	1.3	1.8	1.5	2.5	1.8	1.5	1.5	1.5	1.6
		+0.0	+0.5	+0.0	+0.5	+0.2	+1.2	+0.5	+0.2	+0.2	+0.2	+0.3
청도군	1.1	1.3	1.7	1.2	1.3	1.4	2.0	1.6	1.4	1.5	1.3	1.5
		+0.2	+0.6	+0.1	+0.2	+0.3	+0.9	+0.5	+0.3	+0.4	+0.2	+0.4
청송군	1.3	1.4	1.8	1.3	1.9	1.7	2.6	2.1	1.8	1.6	1.6	1.9
		+0.1	+0.5	+0.0	+0.6	+0.4	+1.3	+0.8	+0.5	+0.3	+0.3	+0.6
칠곡군	1.2	1.1	1.7	1.0	1.2	1.3	2.1	1.4	1.2	1.4	1.1	1.3
		-0.1	+0.5	-0.2	+0.0	+0.1	+0.9	+0.2	+0.0	+0.2	-0.1	+0.1
포항시	1.1	1.2	1.7	1.1	1.8	1.5	1.9	1.7	1.3	1.5	1.4	1.5
		+0.1	+0.6	+0.0	+0.7	+0.4	+0.8	+0.6	+0.2	+0.4	+0.3	+0.4

표 4-119. 경상북도의 99퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	1.2	1.4	1.6	1.5	1.8	1.9	1.9	1.5	1.8	1.5	1.6	1.6
		+0.2	+0.4	+0.3	+0.6	+0.7	+0.7	+0.3	+0.6	+0.3	+0.4	+0.4
경산시	1.1	1.3	1.5	1.4	1.6	1.6	1.7	1.3	1.5	1.4	1.5	1.4
		+0.2	+0.4	+0.3	+0.5	+0.5	+0.6	+0.2	+0.4	+0.3	+0.4	+0.3
경주시	1.2	1.0	1.4	1.4	1.7	1.5	1.8	1.2	1.7	1.2	1.5	1.5
		-0.2	+0.2	+0.2	+0.5	+0.3	+0.6	+0.0	+0.5	+0.0	+0.3	+0.3
고령군	1.3	1.1	1.4	1.2	1.5	1.5	1.7	1.2	1.4	1.2	1.4	1.3
		-0.2	+0.1	-0.1	+0.2	+0.2	+0.4	-0.1	+0.1	-0.1	+0.1	+0.0
구미시	1.3	1.2	1.5	1.2	2.1	1.9	1.6	1.4	1.7	1.4	1.7	1.6
		-0.1	+0.2	-0.1	+0.8	+0.6	+0.3	+0.1	+0.4	+0.1	+0.4	+0.3
군위군	1.3	1.4	1.6	1.2	1.9	1.7	1.9	1.4	1.7	1.5	1.6	1.5
		+0.1	+0.3	-0.1	+0.6	+0.4	+0.6	+0.1	+0.4	+0.2	+0.3	+0.2
김천시	1.3	1.2	1.6	1.2	2.0	1.8	1.5	1.5	1.7	1.4	1.6	1.6
		-0.1	+0.3	-0.1	+0.7	+0.5	+0.2	+0.2	+0.4	+0.1	+0.3	+0.3
문경시	1.3	1.6	1.8	1.5	1.9	2.5	2.2	1.6	1.8	1.7	1.7	1.7
		+0.3	+0.5	+0.2	+0.6	+1.2	+0.9	+0.3	+0.5	+0.4	+0.4	+0.4
봉화군	1.2	1.5	1.7	1.5	1.5	2.2	1.8	1.5	1.8	1.6	1.5	1.7
		+0.3	+0.5	+0.3	+0.3	+1.0	+0.6	+0.3	+0.6	+0.4	+0.3	+0.5
상주시	1.3	1.4	1.8	1.5	1.9	2.2	1.9	1.5	1.8	1.6	1.7	1.7
		+0.1	+0.5	+0.2	+0.6	+0.9	+0.6	+0.2	+0.5	+0.3	+0.4	+0.4
성주군	1.1	0.9	1.2	1.0	1.7	1.3	1.5	1.3	1.4	1.1	1.3	1.3
		-0.2	+0.1	-0.1	+0.6	+0.2	+0.4	+0.2	+0.3	+0.0	+0.2	+0.2
안동시	1.2	1.5	1.8	1.7	1.8	2.3	1.9	1.6	1.9	1.6	1.7	1.8
		+0.3	+0.6	+0.5	+0.6	+1.1	+0.7	+0.4	+0.7	+0.4	+0.5	+0.6
영덕군	0.9	1.1	1.4	1.4	1.7	1.6	1.9	1.9	2.0	1.2	1.6	1.9
		+0.2	+0.5	+0.5	+0.8	+0.7	+1.0	+1.0	+1.1	+0.3	+0.7	+1.0
영양군	1.3	1.7	1.9	1.7	1.8	2.4	2.0	1.9	2.1	1.8	1.7	2.0
		+0.4	+0.6	+0.4	+0.5	+1.1	+0.7	+0.6	+0.8	+0.5	+0.4	+0.7
영주시	1.2	1.6	1.8	1.7	1.6	2.4	1.9	1.6	1.8	1.7	1.7	1.7
		+0.4	+0.6	+0.5	+0.4	+1.2	+0.7	+0.4	+0.6	+0.5	+0.5	+0.5
영천시	1.2	1.3	1.6	1.4	1.7	1.6	1.8	1.2	1.6	1.5	1.5	1.4
		+0.1	+0.4	+0.2	+0.5	+0.4	+0.6	+0.0	+0.4	+0.3	+0.3	+0.2
예천군	1.2	1.5	1.8	1.5	1.8	2.5	2.0	1.6	1.9	1.7	1.7	1.7
		+0.3	+0.6	+0.3	+0.6	+1.3	+0.8	+0.4	+0.7	+0.5	+0.5	+0.5
울릉군	1.8	2.2	2.6	2.7	2.8	3.2	2.6	2.5	2.3	2.4	2.8	2.4
		+0.4	+0.8	+0.9	+1.0	+1.4	+0.8	+0.7	+0.5	+0.6	+1.0	+0.6
울진군	1.1	1.3	1.4	1.6	1.7	1.9	1.9	1.8	2.0	1.4	1.6	1.9
		+0.2	+0.3	+0.5	+0.6	+0.8	+0.8	+0.7	+0.9	+0.3	+0.5	+0.8
의성군	1.3	1.4	1.8	1.5	1.9	2.0	1.9	1.4	1.9	1.6	1.7	1.7
		+0.1	+0.5	+0.2	+0.6	+0.7	+0.6	+0.1	+0.6	+0.3	+0.4	+0.4
청도군	1.1	1.3	1.5	1.5	1.7	1.5	1.8	1.2	1.5	1.4	1.6	1.4
		+0.2	+0.4	+0.4	+0.6	+0.4	+0.7	+0.1	+0.4	+0.3	+0.5	+0.3
청송군	1.3	1.4	1.6	1.5	1.8	1.8	2.0	1.7	1.9	1.5	1.6	1.8
		+0.1	+0.3	+0.2	+0.5	+0.5	+0.7	+0.4	+0.6	+0.2	+0.3	+0.5
칠곡군	1.2	1.1	1.2	1.1	1.9	1.6	1.4	1.2	1.5	1.2	1.5	1.3
		-0.1	+0.0	-0.1	+0.7	+0.4	+0.2	+0.0	+0.3	+0.0	+0.3	+0.1
포항시	1.1	0.9	1.5	1.4	1.6	1.5	1.9	1.4	1.7	1.2	1.5	1.5
		-0.2	+0.4	+0.3	+0.5	+0.4	+0.8	+0.3	+0.6	+0.1	+0.4	+0.4

표 4-120. 경상북도의 99퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	1.2	1.5	1.3	1.6	1.6	1.5	1.8	1.7	2.0	1.4	1.6	1.9
		+0.3	+0.1	+0.4	+0.4	+0.3	+0.6	+0.5	+0.8	+0.2	+0.4	+0.7
경산시	1.1	1.6	1.0	1.3	1.4	1.4	1.7	1.6	1.8	1.3	1.3	1.7
		+0.5	-0.1	+0.2	+0.3	+0.3	+0.6	+0.5	+0.7	+0.2	+0.2	+0.6
경주시	1.2	1.6	1.1	1.5	1.3	1.3	1.7	1.5	1.7	1.3	1.4	1.6
		+0.4	-0.1	+0.3	+0.1	+0.1	+0.5	+0.3	+0.5	+0.1	+0.2	+0.4
고령군	1.3	1.3	0.9	1.4	1.3	1.3	1.5	1.4	1.5	1.1	1.3	1.5
		+0.0	-0.4	+0.1	+0.0	+0.0	+0.2	+0.1	+0.2	-0.2	+0.0	+0.2
구미시	1.3	1.5	1.2	1.5	1.4	1.6	1.7	1.5	1.7	1.3	1.4	1.6
		+0.2	-0.1	+0.2	+0.1	+0.3	+0.4	+0.2	+0.4	+0.0	+0.1	+0.3
군위군	1.3	1.5	1.3	1.5	1.5	1.5	1.8	1.5	1.8	1.4	1.5	1.7
		+0.2	+0.0	+0.2	+0.2	+0.2	+0.5	+0.2	+0.5	+0.1	+0.2	+0.4
김천시	1.3	1.2	1.1	1.5	1.3	1.4	1.5	1.5	1.6	1.2	1.4	1.5
		-0.1	-0.2	+0.2	+0.0	+0.1	+0.2	+0.2	+0.3	-0.1	+0.1	+0.2
문경시	1.3	1.7	1.6	1.7	2.0	1.7	2.0	2.0	2.3	1.7	1.8	2.2
		+0.4	+0.3	+0.4	+0.7	+0.4	+0.7	+0.7	+1.0	+0.4	+0.5	+0.9
봉화군	1.2	1.5	1.3	1.5	1.8	1.5	1.7	1.8	2.2	1.4	1.6	2.0
		+0.3	+0.1	+0.3	+0.6	+0.3	+0.5	+0.6	+1.0	+0.2	+0.4	+0.8
상주시	1.3	1.6	1.6	1.6	1.8	1.6	1.9	1.8	2.2	1.6	1.7	2.0
		+0.3	+0.3	+0.3	+0.5	+0.3	+0.6	+0.5	+0.9	+0.3	+0.4	+0.7
성주군	1.1	1.2	0.9	1.4	1.1	1.2	1.4	1.2	1.4	1.0	1.2	1.3
		+0.1	-0.2	+0.3	+0.0	+0.1	+0.3	+0.1	+0.3	-0.1	+0.1	+0.2
안동시	1.2	1.6	1.4	1.6	1.7	1.7	1.9	1.9	2.2	1.5	1.7	2.1
		+0.4	+0.2	+0.4	+0.5	+0.5	+0.7	+0.7	+1.0	+0.3	+0.5	+0.9
영덕군	0.9	1.4	1.1	1.8	1.5	1.6	2.0	2.0	2.5	1.3	1.7	2.2
		+0.5	+0.2	+0.9	+0.6	+0.7	+1.1	+1.1	+1.6	+0.4	+0.8	+1.3
영양군	1.3	1.6	1.3	1.8	2.0	1.7	2.1	2.0	2.5	1.5	1.9	2.3
		+0.3	+0.0	+0.5	+0.7	+0.4	+0.8	+0.7	+1.2	+0.2	+0.6	+1.0
영주시	1.2	1.5	1.3	1.5	2.1	1.7	1.9	1.8	2.2	1.4	1.8	2.0
		+0.3	+0.1	+0.3	+0.9	+0.5	+0.7	+0.6	+1.0	+0.2	+0.6	+0.8
영천시	1.2	1.6	1.1	1.4	1.6	1.4	1.8	1.5	1.8	1.3	1.5	1.6
		+0.4	-0.1	+0.2	+0.4	+0.2	+0.6	+0.3	+0.6	+0.1	+0.3	+0.4
예천군	1.2	1.6	1.6	1.7	2.0	1.8	2.0	1.9	2.2	1.6	1.8	2.1
		+0.4	+0.4	+0.5	+0.8	+0.6	+0.8	+0.7	+1.0	+0.4	+0.6	+0.9
울릉군	1.8	2.1	2.1	2.6	2.1	2.2	2.3	3.1	3.6	2.1	2.3	3.3
		+0.3	+0.3	+0.8	+0.3	+0.4	+0.5	+1.3	+1.8	+0.3	+0.5	+1.5
울진군	1.1	1.3	1.1	1.7	1.5	1.6	1.8	2.1	2.4	1.2	1.6	2.3
		+0.2	+0.0	+0.6	+0.4	+0.5	+0.7	+1.0	+1.3	+0.1	+0.5	+1.2
의성군	1.3	1.5	1.4	1.5	1.5	1.6	1.9	1.8	2.1	1.5	1.5	1.9
		+0.2	+0.1	+0.2	+0.2	+0.3	+0.6	+0.5	+0.8	+0.2	+0.2	+0.6
청도군	1.1	1.6	1.1	1.7	1.5	1.4	1.8	1.4	1.7	1.3	1.6	1.6
		+0.5	+0.0	+0.6	+0.4	+0.3	+0.7	+0.3	+0.6	+0.2	+0.5	+0.5
청송군	1.3	1.7	1.2	1.7	1.7	1.5	1.9	1.9	2.2	1.5	1.7	2.0
		+0.4	-0.1	+0.4	+0.4	+0.2	+0.6	+0.6	+0.9	+0.2	+0.4	+0.7
칠곡군	1.2	1.3	1.0	1.4	1.3	1.3	1.5	1.4	1.5	1.1	1.3	1.4
		+0.1	-0.2	+0.2	+0.1	+0.1	+0.3	+0.2	+0.3	-0.1	+0.1	+0.2
포항시	1.1	1.4	1.1	1.5	1.4	1.3	1.8	1.6	1.9	1.3	1.4	1.7
		+0.3	+0.0	+0.4	+0.3	+0.2	+0.7	+0.5	+0.8	+0.2	+0.3	+0.6

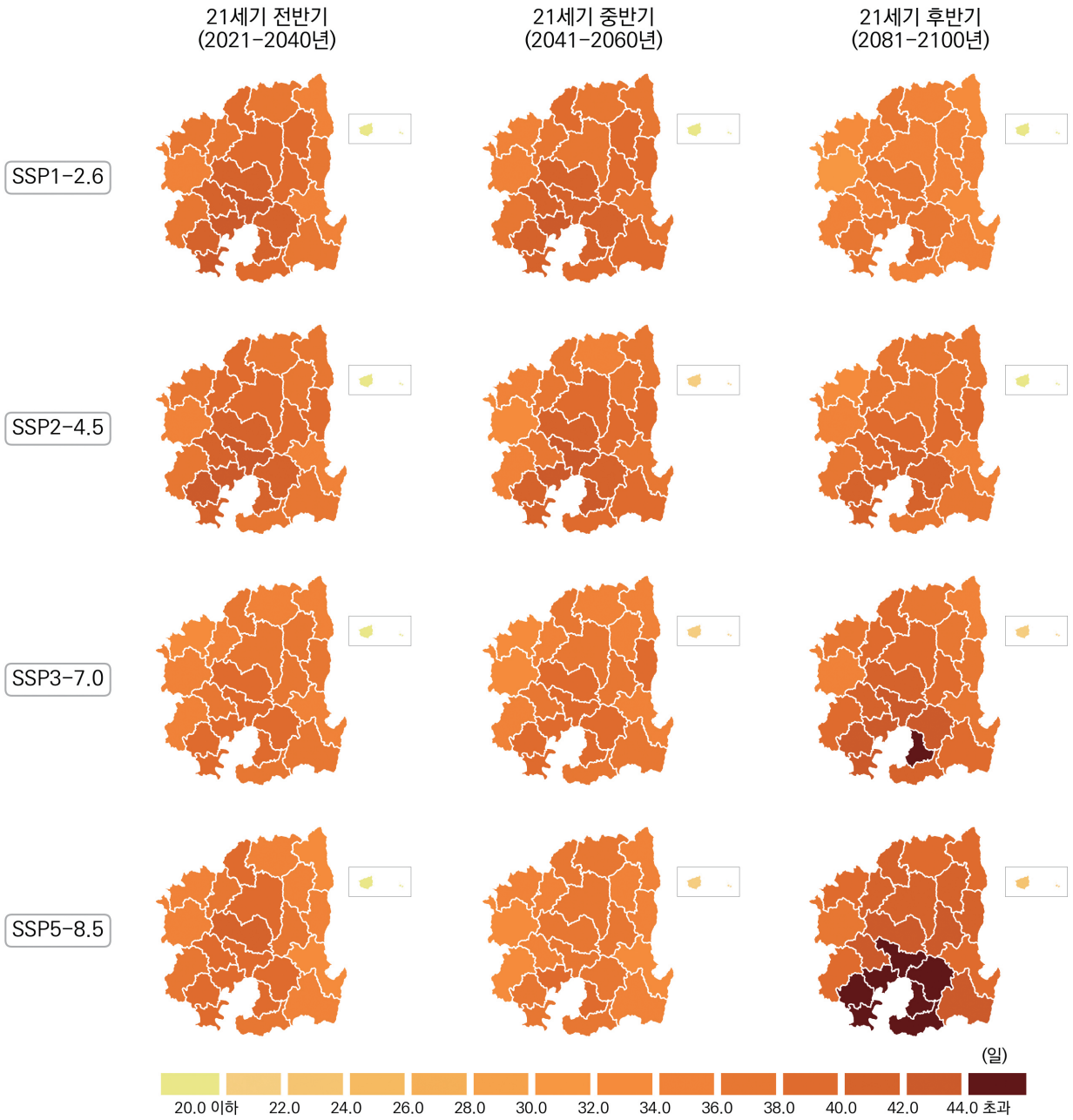


그림 4-40. 경상북도의 최대무강수지속기간(일) 전망 분포도

표 4-121. 경상북도의 최대무강수지속기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.4	41.2	34.7	36.3	40.2	36.3	35.2	33.3	36.1	37.9	38.2	34.6
		+4.8	-1.7	-0.1	+3.8	-0.1	-1.2	-3.1	-0.3	+1.5	+1.8	-1.8
경산시	41.4	45.7	36.6	40.4	43.6	40.0	39.5	37.2	39.4	41.2	42.0	38.3
		+4.3	-4.8	-1.0	+2.2	-1.4	-1.9	-4.2	-2.0	-0.2	+0.6	-3.1
경주시	36.9	39.5	33.3	37.1	40.8	36.7	35.2	32.9	36.6	36.4	39.0	34.6
		+2.6	-3.6	+0.2	+3.9	-0.2	-1.7	-4.0	-0.3	-0.5	+2.1	-2.3
고령군	41.9	46.9	38.5	38.8	42.6	40.0	38.7	34.3	38.8	42.7	40.7	36.4
		+5.0	-3.4	-3.1	+0.7	-1.9	-3.2	-7.6	-3.1	+0.8	-1.2	-5.5
구미시	38.1	44.3	36.9	37.9	43.4	37.4	37.5	35.0	37.1	40.6	40.6	36.0
		+6.2	-1.2	-0.2	+5.3	-0.7	-0.6	-3.1	-1.0	+2.5	+2.5	-2.1
군위군	41.4	47.5	38.3	38.9	44.6	38.9	39.2	36.5	39.8	42.9	41.8	38.0
		+6.1	-3.1	-2.5	+3.2	-2.5	-2.2	-4.9	-1.6	+1.5	+0.4	-3.4
김천시	33.5	40.4	35.0	34.7	39.0	34.8	34.7	33.2	35.1	37.7	36.8	34.1
		+6.9	+1.5	+1.2	+5.5	+1.3	+1.2	-0.3	+1.6	+4.2	+3.3	+0.6
문경시	32.9	38.2	34.2	34.6	37.2	34.0	33.6	32.1	33.9	36.2	35.9	32.9
		+5.3	+1.3	+1.7	+4.3	+1.1	+0.7	-0.8	+1.0	+3.3	+3.0	+0.0
봉화군	33.4	40.7	35.2	36.0	39.1	36.3	34.1	34.0	36.6	38.0	37.6	35.2
		+7.3	+1.8	+2.6	+5.7	+2.9	+0.7	+0.6	+3.2	+4.6	+4.2	+1.8
상주시	31.2	37.4	34.2	33.9	37.1	32.8	33.2	30.9	33.3	35.8	35.5	32.0
		+6.2	+3.0	+2.7	+5.9	+1.6	+2.0	-0.3	+2.1	+4.6	+4.3	+0.8
성주군	41.7	46.3	37.7	39.2	43.8	40.0	38.0	35.8	38.2	42.0	41.5	36.9
		+4.6	-4.0	-2.5	+2.1	-1.7	-3.7	-5.9	-3.5	+0.3	-0.2	-4.8
안동시	37.5	42.4	35.4	36.1	39.8	35.5	36.2	33.9	36.7	38.9	37.9	35.2
		+4.9	-2.1	-1.4	+2.3	-2.0	-1.3	-3.6	-0.8	+1.4	+0.4	-2.3
영덕군	37.4	40.1	34.2	36.8	42.6	36.8	34.8	34.0	37.5	37.1	39.7	35.6
		+2.7	-3.2	-0.6	+5.2	-0.6	-2.6	-3.4	+0.1	-0.3	+2.3	-1.8
영양군	35.6	42.1	34.2	36.4	41.6	36.3	32.6	33.1	36.1	38.1	39.0	34.5
		+6.5	-1.4	+0.8	+6.0	+0.7	-3.0	-2.5	+0.5	+2.5	+3.4	-1.1
영주시	36.4	40.3	37.7	38.1	40.1	36.3	35.4	35.1	37.7	39.0	39.1	36.3
		+3.9	+1.3	+1.7	+3.7	-0.1	-1.0	-1.3	+1.3	+2.6	+2.7	-0.1
영천시	40.5	45.3	36.6	38.9	43.8	39.3	38.7	35.3	39.6	41.0	41.4	37.4
		+4.8	-3.9	-1.6	+3.3	-1.2	-1.8	-5.2	-0.9	+0.5	+0.9	-3.1
예천군	36.6	40.5	34.6	36.4	39.1	36.5	35.3	33.1	35.7	37.6	37.8	34.3
		+3.9	-2.0	-0.2	+2.5	-0.1	-1.3	-3.5	-0.9	+1.0	+1.2	-2.3
울릉군	18.6	19.5	18.7	19.1	18.8	19.9	19.3	18.9	19.8	19.1	18.9	19.3
		+0.9	+0.1	+0.5	+0.2	+1.3	+0.7	+0.3	+1.2	+0.5	+0.3	+0.7
울진군	34.4	36.7	32.2	34.6	39.3	36.0	33.7	32.4	34.6	34.5	36.9	33.4
		+2.3	-2.2	+0.2	+4.9	+1.6	-0.7	-2.0	+0.2	+0.1	+2.5	-1.0
의성군	39.3	45.8	37.5	38.1	42.8	38.0	39.2	35.0	38.2	41.6	40.4	36.5
		+6.5	-1.8	-1.2	+3.5	-1.3	-0.1	-4.3	-1.1	+2.3	+1.1	-2.8
청도군	38.0	43.2	34.5	37.4	40.1	38.3	37.3	34.2	36.5	38.9	38.8	35.3
		+5.2	-3.5	-0.6	+2.1	+0.3	-0.7	-3.8	-1.5	+0.9	+0.8	-2.7
청송군	37.1	44.3	35.0	37.5	42.5	36.6	35.5	33.4	36.7	39.6	40.0	35.0
		+7.2	-2.1	+0.4	+5.4	-0.5	-1.6	-3.7	-0.4	+2.5	+2.9	-2.1
칠곡군	42.8	47.2	38.4	40.0	44.4	40.8	39.2	36.5	39.0	42.8	42.2	37.7
		+4.4	-4.4	-2.8	+1.6	-2.0	-3.6	-6.3	-3.8	+0.0	-0.6	-5.1
포항시	33.7	37.3	31.9	35.4	39.3	34.9	31.6	31.0	34.5	34.6	37.4	32.6
		+3.6	-1.8	+1.7	+5.6	+1.2	-2.1	-2.7	+0.8	+0.9	+3.7	-1.1

표 4-122. 경상북도의 최대무강수지속기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.4	40.4	35.9	36.7	39.0	35.7	38.0	37.1	37.5	38.1	37.9	37.3
		+4.0	-0.5	+0.3	+2.6	-0.7	+1.6	+0.7	+1.1	+1.7	+1.5	+0.9
경산시	41.4	44.4	37.7	40.2	44.0	39.6	41.9	40.7	40.9	41.1	42.1	40.8
		+3.0	-3.7	-1.2	+2.6	-1.8	+0.5	-0.7	-0.5	-0.3	+0.7	-0.6
경주시	36.9	40.5	34.7	38.6	40.2	35.3	40.2	38.6	36.7	37.6	39.4	37.7
		+3.6	-2.2	+1.7	+3.3	-1.6	+3.3	+1.7	-0.2	+0.7	+2.5	+0.8
고령군	41.9	42.6	39.1	40.8	43.3	39.3	41.0	39.3	40.9	40.8	42.0	40.1
		+0.7	-2.8	-1.1	+1.4	-2.6	-0.9	-2.6	-1.0	-1.1	+0.1	-1.8
구미시	38.1	42.6	37.8	35.9	39.9	38.9	39.1	38.8	37.8	40.2	37.9	38.3
		+4.5	-0.3	-2.2	+1.8	+0.8	+1.0	+0.7	-0.3	+2.1	-0.2	+0.2
군위군	41.4	46.3	37.9	40.2	44.2	38.7	41.7	40.7	41.7	42.1	42.2	41.2
		+4.9	-3.5	-1.2	+2.8	-2.7	+0.3	-0.7	+0.3	+0.7	+0.8	-0.2
김천시	33.5	39.1	36.2	34.0	37.0	35.5	37.0	36.7	36.0	37.6	35.5	36.4
		+5.6	+2.7	+0.5	+3.5	+2.0	+3.5	+3.2	+2.5	+4.1	+2.0	+2.9
문경시	32.9	37.3	34.8	32.7	36.2	32.4	33.8	33.8	33.5	36.1	34.4	33.7
		+4.4	+1.9	-0.2	+3.3	-0.5	+0.9	+0.9	+0.6	+3.2	+1.5	+0.8
봉화군	33.4	39.3	36.4	35.3	36.6	35.1	37.9	36.0	37.5	37.9	35.9	36.7
		+5.9	+3.0	+1.9	+3.2	+1.7	+4.5	+2.6	+4.1	+4.5	+2.5	+3.3
상주시	31.2	37.5	33.9	32.7	35.4	33.4	33.9	34.8	34.1	35.7	34.0	34.5
		+6.3	+2.7	+1.5	+4.2	+2.2	+2.7	+3.6	+2.9	+4.5	+2.8	+3.3
성주군	41.7	44.4	39.8	40.0	42.9	39.9	41.4	39.9	40.7	42.1	41.4	40.3
		+2.7	-1.9	-1.7	+1.2	-1.8	-0.3	-1.8	-1.0	+0.4	-0.3	-1.4
안동시	37.5	42.3	37.0	36.9	39.3	36.2	37.9	37.3	38.0	39.6	38.1	37.6
		+4.8	-0.5	-0.6	+1.8	-1.3	+0.4	-0.2	+0.5	+2.1	+0.6	+0.1
영덕군	37.4	40.8	37.3	38.8	40.8	35.4	39.2	39.0	39.2	39.0	39.8	39.1
		+3.4	-0.1	+1.4	+3.4	-2.0	+1.8	+1.6	+1.8	+1.6	+2.4	+1.7
영양군	35.6	40.2	35.8	37.0	36.6	36.0	37.6	36.4	39.5	38.0	36.8	37.9
		+4.6	+0.2	+1.4	+1.0	+0.4	+2.0	+0.8	+3.9	+2.4	+1.2	+2.3
영주시	36.4	41.9	38.1	35.4	38.2	36.4	38.3	37.7	38.3	40.0	36.8	38.0
		+5.5	+1.7	-1.0	+1.8	+0.0	+1.9	+1.3	+1.9	+3.6	+0.4	+1.6
영천시	40.5	44.5	37.1	40.2	43.1	37.7	41.9	41.5	40.3	40.8	41.6	40.9
		+4.0	-3.4	-0.3	+2.6	-2.8	+1.4	+1.0	-0.2	+0.3	+1.1	+0.4
예천군	36.6	41.2	35.8	34.6	38.6	34.6	35.9	36.1	36.5	38.5	36.6	36.3
		+4.6	-0.8	-2.0	+2.0	-2.0	-0.7	-0.5	-0.1	+1.9	+0.0	-0.3
울릉군	18.6	19.1	19.8	20.3	19.9	18.6	19.8	19.1	19.1	19.4	20.1	19.1
		+0.5	+1.2	+1.7	+1.3	+0.0	+1.2	+0.5	+0.5	+0.8	+1.5	+0.5
울진군	34.4	38.1	35.4	35.6	38.5	33.8	36.1	36.5	36.8	36.8	37.0	36.6
		+3.7	+1.0	+1.2	+4.1	-0.6	+1.7	+2.1	+2.4	+2.4	+2.6	+2.2
의성군	39.3	44.5	37.7	38.3	42.2	38.0	40.7	39.3	40.2	41.1	40.2	39.7
		+5.2	-1.6	-1.0	+2.9	-1.3	+1.4	+0.0	+0.9	+1.8	+0.9	+0.4
청도군	38.0	40.6	35.3	38.4	40.7	37.2	40.0	37.2	37.6	38.0	39.5	37.4
		+2.6	-2.7	+0.4	+2.7	-0.8	+2.0	-0.8	-0.4	+0.0	+1.5	-0.6
청송군	37.1	41.6	36.4	38.8	40.2	36.8	39.3	38.4	41.7	39.0	39.5	40.0
		+4.5	-0.7	+1.7	+3.1	-0.3	+2.2	+1.3	+4.6	+1.9	+2.4	+2.9
칠곡군	42.8	45.6	38.8	40.8	43.5	40.2	41.4	40.0	41.2	42.2	42.1	40.6
		+2.8	-4.0	-2.0	+0.7	-2.6	-1.4	-2.8	-1.6	-0.6	-0.7	-2.2
포항시	33.7	37.6	34.2	37.9	37.7	33.9	37.5	36.2	35.4	35.9	37.8	35.8
		+3.9	+0.5	+4.2	+4.0	+0.2	+3.8	+2.5	+1.7	+2.2	+4.1	+2.1

표 4-123. 경상북도의 최대무강수지속기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.4	36.4	36.1	37.3	35.0	36.3	36.2	39.9	37.7	36.2	36.1	38.8
		+0.0	-0.3	+0.9	-1.4	-0.1	-0.2	+3.5	+1.3	-0.2	-0.3	+2.4
경산시	41.4	40.6	38.5	40.7	37.7	38.7	40.5	46.1	42.0	39.5	39.2	44.1
		-0.8	-2.9	-0.7	-3.7	-2.7	-0.9	+4.7	+0.6	-1.9	-2.2	+2.7
경주시	36.9	37.1	36.1	37.1	35.2	37.2	37.6	39.9	39.0	36.6	36.2	39.5
		+0.2	-0.8	+0.2	-1.7	+0.3	+0.7	+3.0	+2.1	-0.3	-0.7	+2.6
고령군	41.9	40.4	37.9	40.0	36.4	39.0	40.0	45.3	42.2	39.2	38.2	43.9
		-1.5	-4.0	-1.9	-5.5	-2.9	-1.9	+3.4	+0.3	-2.7	-3.7	+2.0
구미시	38.1	37.5	38.2	39.4	35.9	37.2	37.5	42.2	39.7	37.8	37.7	41.0
		-0.6	+0.1	+1.3	-2.2	-0.9	-0.6	+4.1	+1.6	-0.3	-0.4	+2.9
군위군	41.4	39.4	40.2	41.5	38.2	39.3	39.7	44.5	41.1	39.8	39.9	42.9
		-2.0	-1.2	+0.1	-3.2	-2.1	-1.7	+3.1	-0.3	-1.6	-1.5	+1.5
김천시	33.5	34.9	34.9	36.1	33.5	34.9	34.2	39.5	37.2	34.9	34.8	38.4
		+1.4	+1.4	+2.6	+0.0	+1.4	+0.7	+6.0	+3.7	+1.4	+1.3	+4.9
문경시	32.9	34.6	33.4	33.9	33.2	35.3	33.6	37.9	34.7	34.0	33.5	36.4
		+1.7	+0.5	+1.0	+0.3	+2.4	+0.7	+5.0	+1.8	+1.1	+0.6	+3.5
봉화군	33.4	35.7	33.9	35.7	35.2	37.2	34.2	36.6	37.1	34.8	35.4	36.8
		+2.3	+0.5	+2.3	+1.8	+3.8	+0.8	+3.2	+3.7	+1.4	+2.0	+3.4
상주시	31.2	34.5	33.6	34.1	33.0	33.5	32.9	36.9	34.5	34.1	33.6	35.8
		+3.3	+2.4	+2.9	+1.8	+2.3	+1.7	+5.7	+3.3	+2.9	+2.4	+4.6
성주군	41.7	39.0	39.1	40.1	36.2	38.2	39.6	45.1	41.9	39.0	38.1	43.6
		-2.7	-2.6	-1.6	-5.5	-3.5	-2.1	+3.4	+0.2	-2.7	-3.6	+1.9
안동시	37.5	36.7	36.7	38.4	34.6	37.9	36.2	39.8	37.5	36.7	36.5	38.7
		-0.8	-0.8	+0.9	-2.9	+0.4	-1.3	+2.3	+0.0	-0.8	-1.0	+1.2
영덕군	37.4	37.2	37.5	38.9	37.5	37.7	37.3	38.6	36.0	37.4	38.2	37.4
		-0.2	+0.1	+1.5	+0.1	+0.3	-0.1	+1.2	-1.4	+0.0	+0.8	+0.0
영양군	35.6	36.6	36.3	36.7	34.8	35.8	35.9	37.8	36.3	36.5	35.8	37.1
		+1.0	+0.7	+1.1	-0.8	+0.2	+0.3	+2.2	+0.7	+0.9	+0.2	+1.5
영주시	36.4	37.0	35.4	37.4	35.8	37.9	35.1	38.6	38.3	36.2	36.6	38.4
		+0.6	-1.0	+1.0	-0.6	+1.5	-1.3	+2.2	+1.9	-0.2	+0.2	+2.0
영천시	40.5	39.5	39.1	40.7	37.0	38.8	40.2	44.7	40.4	39.3	38.8	42.7
		-1.0	-1.4	+0.2	-3.5	-1.7	-0.3	+4.2	-0.1	-1.2	-1.7	+2.2
예천군	36.6	36.2	35.7	37.1	34.4	37.0	35.9	38.7	37.4	35.9	35.7	38.1
		-0.4	-0.9	+0.5	-2.2	+0.4	-0.7	+2.1	+0.8	-0.7	-0.9	+1.5
울릉군	18.6	18.9	19.9	21.3	20.7	20.4	19.7	22.6	21.3	19.4	21.0	22.0
		+0.3	+1.3	+2.7	+2.1	+1.8	+1.1	+4.0	+2.7	+0.8	+2.4	+3.4
울진군	34.4	35.8	34.8	36.1	35.4	35.5	34.9	35.6	34.4	35.3	35.7	35.0
		+1.4	+0.4	+1.7	+1.0	+1.1	+0.5	+1.2	+0.0	+0.9	+1.3	+0.6
의성군	39.3	38.7	39.1	40.8	37.0	39.3	38.1	42.6	39.0	38.9	38.9	40.9
		-0.6	-0.2	+1.5	-2.3	+0.0	-1.2	+3.3	-0.3	-0.4	-0.4	+1.6
청도군	38.0	37.5	36.5	37.9	35.5	36.1	38.7	42.7	40.3	37.0	36.7	41.6
		-0.5	-1.5	-0.1	-2.5	-1.9	+0.7	+4.7	+2.3	-1.0	-1.3	+3.6
청송군	37.1	36.8	38.1	38.9	36.6	36.8	38.3	41.2	38.3	37.5	37.8	39.8
		-0.3	+1.0	+1.8	-0.5	-0.3	+1.2	+4.1	+1.2	+0.4	+0.7	+2.7
칠곡군	42.8	39.5	40.3	41.5	37.6	39.2	39.7	45.4	41.7	39.9	39.6	43.6
		-3.3	-2.5	-1.3	-5.2	-3.6	-3.1	+2.6	-1.1	-2.9	-3.2	+0.8
포항시	33.7	34.4	35.3	35.9	33.7	34.1	33.8	37.2	36.8	34.9	34.8	37.0
		+0.7	+1.6	+2.2	+0.0	+0.4	+0.1	+3.5	+3.1	+1.2	+1.1	+3.3

표 4-124. 경상북도의 최대무강수지속기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	36.4	33.2	39.4	36.4	34.3	34.0	37.0	42.0	40.4	36.3	35.4	41.3
		-3.2	+3.0	+0.0	-2.1	-2.4	+0.6	+5.6	+4.0	-0.1	-1.0	+4.9
경산시	41.4	35.2	43.9	38.4	38.9	38.2	39.0	46.1	45.5	39.5	38.7	45.8
		-6.2	+2.5	-3.0	-2.5	-3.2	-2.4	+4.7	+4.1	-1.9	-2.7	+4.4
경주시	36.9	30.1	39.3	35.3	36.2	35.5	35.8	44.3	40.3	34.7	35.7	42.4
		-6.8	+2.4	-1.6	-0.7	-1.4	-1.1	+7.4	+3.4	-2.2	-1.2	+5.5
고령군	41.9	36.6	42.8	39.3	36.3	36.8	38.8	47.2	44.7	39.7	37.8	46.0
		-5.3	+0.9	-2.6	-5.6	-5.1	-3.1	+5.3	+2.8	-2.2	-4.1	+4.1
구미시	38.1	34.1	42.6	36.9	33.7	35.6	39.5	42.2	43.0	38.3	35.3	42.6
		-4.0	+4.5	-1.2	-4.4	-2.5	+1.4	+4.1	+4.9	+0.2	-2.8	+4.5
군위군	41.4	35.6	43.7	39.1	36.6	37.1	40.8	45.9	44.7	39.7	37.9	45.3
		-5.8	+2.3	-2.3	-4.8	-4.3	-0.6	+4.5	+3.3	-1.7	-3.5	+3.9
김천시	33.5	32.8	40.9	34.4	32.7	33.2	36.8	39.9	40.1	36.9	33.5	40.0
		-0.7	+7.4	+0.9	-0.8	-0.3	+3.3	+6.4	+6.6	+3.4	+0.0	+6.5
문경시	32.9	33.0	38.9	36.1	32.5	32.0	36.8	37.8	38.7	35.9	34.3	38.3
		+0.1	+6.0	+3.2	-0.4	-0.9	+3.9	+4.9	+5.8	+3.0	+1.4	+5.4
봉화군	33.4	33.9	38.1	37.2	35.1	32.0	38.1	40.4	39.5	36.0	36.2	40.0
		+0.5	+4.7	+3.8	+1.7	-1.4	+4.7	+7.0	+6.1	+2.6	+2.8	+6.6
상주시	31.2	32.6	38.1	34.5	32.2	31.6	36.8	37.6	37.9	35.3	33.4	37.7
		+1.4	+6.9	+3.3	+1.0	+0.4	+5.6	+6.4	+6.7	+4.1	+2.2	+6.5
성주군	41.7	36.2	43.9	38.9	36.4	36.8	39.4	46.0	43.6	40.0	37.7	44.8
		-5.5	+2.2	-2.8	-5.3	-4.9	-2.3	+4.3	+1.9	-1.7	-4.0	+3.1
안동시	37.5	35.3	41.4	37.6	35.2	34.7	39.1	42.9	40.9	38.4	36.4	42.0
		-2.2	+3.9	+0.1	-2.3	-2.8	+1.6	+5.4	+3.4	+0.9	-1.1	+4.5
영덕군	37.4	33.7	37.5	36.2	35.5	34.3	35.2	42.6	39.4	35.6	35.8	41.1
		-3.7	+0.1	-1.2	-1.9	-3.1	-2.2	+5.2	+2.0	-1.8	-1.6	+3.7
영양군	35.6	32.4	37.7	36.6	33.8	33.3	37.2	42.2	38.5	35.0	35.2	40.5
		-3.2	+2.1	+1.0	-1.8	-2.3	+1.6	+6.6	+2.9	-0.6	-0.4	+4.9
영주시	36.4	37.4	39.4	39.3	34.2	33.8	39.9	41.3	40.6	38.4	36.8	41.0
		+1.0	+3.0	+2.9	-2.2	-2.6	+3.5	+4.9	+4.2	+2.0	+0.4	+4.6
영천시	40.5	33.3	43.0	36.8	38.2	37.9	39.2	46.2	44.6	38.2	37.5	45.4
		-7.2	+2.5	-3.7	-2.3	-2.6	-1.3	+5.7	+4.1	-2.3	-3.0	+4.9
예천군	36.6	35.0	39.9	37.8	33.3	33.6	38.4	40.3	40.3	37.5	35.6	40.3
		-1.6	+3.3	+1.2	-3.3	-3.0	+1.8	+3.7	+3.7	+0.9	-1.0	+3.7
울릉군	18.6	19.7	20.1	22.9	20.2	19.7	20.6	22.4	22.8	19.9	21.6	22.6
		+1.1	+1.5	+4.3	+1.6	+1.1	+2.0	+3.8	+4.2	+1.3	+3.0	+4.0
울진군	34.4	32.7	33.9	35.4	34.2	31.2	33.9	40.1	37.5	33.3	34.8	38.8
		-1.7	-0.5	+1.0	-0.2	-3.2	-0.5	+5.7	+3.1	-1.1	+0.4	+4.4
의성군	39.3	36.4	44.1	38.9	35.3	36.7	41.1	43.9	42.6	40.2	37.1	43.3
		-2.9	+4.8	-0.4	-4.0	-2.6	+1.8	+4.6	+3.3	+0.9	-2.2	+4.0
청도군	38.0	31.8	41.6	37.1	35.5	35.1	36.6	45.2	43.0	36.7	36.3	44.2
		-6.2	+3.6	-0.9	-2.5	-2.9	-1.4	+7.2	+5.0	-1.3	-1.7	+6.2
청송군	37.1	33.7	40.9	37.2	35.4	35.5	38.8	44.3	42.5	37.3	36.3	43.5
		-3.4	+3.8	+0.1	-1.7	-1.6	+1.7	+7.2	+5.4	+0.2	-0.8	+6.4
칠곡군	42.8	35.9	44.2	40.2	36.3	36.7	40.1	46.0	45.5	40.0	38.3	45.7
		-6.9	+1.4	-2.6	-6.5	-6.1	-2.7	+3.2	+2.7	-2.8	-4.5	+2.9
포항시	33.7	30.0	35.0	33.6	33.0	32.7	33.1	41.7	36.8	32.5	33.3	39.4
		-3.7	+1.3	-0.1	-0.7	-1.0	-0.6	+8.0	+3.1	-1.2	-0.4	+5.7

3. 계절길이

- SSP 기후변화 시나리오에 따르면 21세기 후반기로 갈수록 경상북도 봄 시작일이 빨라지고 여름 계절길이가 길어지며 겨울이 짧아지는 경향을 보임(표 4-125, 표 4-126).
 - 봄 시작일의 경우 현재(2000-2019년) 3월 12일에 시작되는 것으로 나타나나 SSP5-8.5에 따르면 21세기 후반기 봄 시작일은 1월 27일로 나타나 현재보다 44일 빨라질 것으로 전망됨.
 - 여름 계절길이는 현재 108일로 약 4개월 정도 지속되는 것으로 나타나나 SSP5-8.5에 따르면 21세기 후반기 여름 계절길이는 172일로 현재보다 64일 증가할 것으로 전망됨.
 - 겨울 계절길이는 현재 109일로 약 4개월 정도 지속되는 것으로 나타나나 SSP5-8.5에 따르면 21세기 후반기 겨울 계절길이는 10일로 현재보다 99일 줄어들 것으로 전망됨.

표 4-125. 경상북도의 계절 시작일 21세기 전망과 현재 기후 값 대비 편차(일)

지역	계절	현재 (2000-2019)	시나리오	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	봄	3월 12일	SSP1-2.6	3월 1일(-11일)	2월 27일(-13일)	2월 23일(-17일)
			SSP2-4.5	3월 3일(-9일)	2월 25일(-15일)	2월 15일(-25일)
			SSP3-7.0	3월 2일(-10일)	2월 28일(-12일)	1월 29일(-42일)
			SSP5-8.5	3월 5일(-7일)	2월 27일(-13일)	1월 27일(-44일)
	여름	6월 2일	SSP1-2.6	5월 25일(-8일)	5월 21일(-12일)	5월 18일(-15일)
			SSP2-4.5	5월 21일(-12일)	5월 20일(-13일)	5월 15일(-18일)
			SSP3-7.0	5월 26일(-7일)	5월 18일(-15일)	5월 1일(-32일)
			SSP5-8.5	5월 31일(-2일)	5월 17일(-16일)	4월 28일(-35일)
	가을	9월 18일	SSP1-2.6	9월 23일(+5일)	9월 26일(+8일)	9월 29일(+11일)
			SSP2-4.5	9월 22일(+4일)	9월 28일(+10일)	10월 3일(+15일)
			SSP3-7.0	9월 22일(+4일)	9월 27일(+9일)	10월 13일(+25일)
			SSP5-8.5	9월 23일(+5일)	10월 1일(+13일)	10월 17일(+29일)
	겨울	11월 23일	SSP1-2.6	12월 5일(+12일)	12월 4일(+11일)	12월 5일(+12일)
			SSP2-4.5	12월 3일(+10일)	12월 4일(+11일)	12월 5일(+12일)
			SSP3-7.0	12월 2일(+9일)	12월 7일(+14일)	12월 23일(+30일)
			SSP5-8.5	12월 3일(+10일)	12월 6일(+13일)	1월 17일(+55일)

표 4-126. 경상북도의 계절길이 21세기 전망과 현재 기후 값 대비 편차(일)

지역	계절	현재 (2000-2019)	시나리오	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
경상북도	봄	82일	SSP1-2.6	85일 (+3일)	83일 (+1일)	84일 (+2일)
			SSP2-4.5	79일 (-3일)	84일 (+2일)	89일 (+7일)
			SSP3-7.0	85일 (+3일)	79일 (-3일)	92일 (+10일)
			SSP5-8.5	87일 (+5일)	79일 (-3일)	91일 (+9일)
	여름	108일	SSP1-2.6	121일 (+13일)	128일 (+20일)	134일 (+26일)
			SSP2-4.5	124일 (+16일)	131일 (+23일)	141일 (+33일)
			SSP3-7.0	119일 (+11일)	132일 (+24일)	165일 (+57일)
			SSP5-8.5	115일 (+7일)	137일 (+29일)	172일 (+64일)
	가을	66일	SSP1-2.6	73일 (+7일)	69일 (+3일)	67일 (+1일)
			SSP2-4.5	72일 (+6일)	67일 (+1일)	63일 (-3일)
			SSP3-7.0	71일 (+5일)	71일 (+5일)	71일 (+5일)
			SSP5-8.5	71일 (+5일)	66일 (+0일)	92일 (+26일)
	겨울	109일	SSP1-2.6	86일 (-23일)	85일 (-24일)	80일 (-29일)
			SSP2-4.5	90일 (-19일)	83일 (-26일)	72일 (-37일)
			SSP3-7.0	90일 (-19일)	83일 (-26일)	37일 (-72일)
			SSP5-8.5	92일 (-17일)	83일 (-26일)	10일 (-99일)

참고 문헌

국립기상과학원, 2020, “IPCC 6차 평가 보고서 대응” 전지구 기후변화 전망보고서 개정판.

국립기상과학원, 2021, 한반도 기후변화 전망보고서 2020 개정판.

국립기상과학원, 2022, 남한상세 기후변화 전망보고서 개정판.

기상청, 2021, 우리나라 109년(1912~2020) 기후변화 분석보고서.

기상청, 2021, 기후통계지침 2021.

IPCC, 2021, Climate Change 2021: The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [Masson-Delmotte, V., P. Zhai, A. Pirani, S.L. Connors, C. Péan, S. Berger, N. Caud, Y. Chen, L. Goldfarb, M.I. Gomis, M. Huang, K. Leitzell, E. Lonnoy, J.B.R. Matthews, T.K. Maycock, T. Waterfield, O. Yelekçi, R. Yu, and B. Zhou (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, doi:10.1017/9781009157896.003.

O'Neill, B. C., Kriegler, E., Riahi, K., Ebi, K. L., Hallegatte, S., Carter, T. R., Mathur, R., and van Vuuren, D. P., 2014, A new scenario framework for climate change research: the concept of shared socioeconomic pathways, *Climatic Change*, 122, 387–400.

O'Neill, B. C., Kriegler, E., Ebi, K. L., Kemp-Benedict, E., Riahi, K., Rothman, D. S., van Ruijven, B. J., van Vuuren, D. P., Birkmann, J., Kok, K., Levy, M., and Solecki, W., 2017, The roads ahead: Narratives for shared socioeconomic pathways describing world futures in the 21st century, *Global Environmental Change*, 42, 169-180.

경상북도 기후변화 전망보고서(2023)

발행일 2023년 12월
발행처 기상청 기후변화감시과
주 소 대전광역시 서구 청사로 189
누리집 기후정보포털(www.climate.go.kr)
ISBN 979-11-6988-134-0(93450)



공공누리 저작물 표시

본 보고서의 내용 사용 시 출처를 표시해야 하며
비영리 목적으로만 이용할 수 있습니다.