



氣象廳

Korea Meteorological
Administration

MONTHLY CLIMATE REVIEW OVER KOREA (total 4 pages)

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April 2016 Climate Summary

- ◇ The nationwide mean temperature (13.8°C) in April 2016 was 1.6°C above normal.
- ◇ The nationwide-average of precipitation (158.1 mm) was 197.7% of normal.

- Climate features and long-term trends in April 2016 were analyzed 45 meteorological stations throughout Korea (national average) during 1973-2016 (1908-2016 for Seoul).

※ Normal: Average value of climatic element data collected from 1981 to 2010

□ The climatic characteristics in April 2016

o Korea (as a whole),

- The mean temperature (13.8°C), the mean maximum temperature (20.2°C) and the mean minimum temperature (8.2°C) were 1.6°C, 1.6°C, 2.2°C above normal, respectively.
- A nationally-averaged precipitation was 158.1 mm, which was 197.7% of normal. The number of rainy days was 11.1, which was 3.3 days more than normal.
- The total number of hours of sunshine was 207.1, which was 97.0% of normal.

o Seoul,

- The mean temperature (14.1°C), the mean maximum temperature (20.3°C) and the mean minimum temperature (9.1°C) were 1.6°C, 2.5°C, 1.3°C above normal, respectively.
- The amount of precipitation was 76.8 mm, which was 119.1% of normal.
- The number of rainy days was 10.0, which was 2.2 days more than normal.
- The total number of hours of sunshine was 219.5, which was 107.1% of normal.

□ **Long-term¹⁾ trend in April 2016 climate**

o Korea (as a whole),

- The national mean temperatures in April during the 2000s (2001-2010) was 0.5°C above that of in the 1970s (1973-1980).
- The nationwide-average of precipitation in April during the 2000s was 46.9 mm less than that of in the 1970s.
- The number of rainy days in April during the 2000s was 1.2 days less than that of in the 1970s.
- The total sunshine hours in April during the 2000s was 7.3 hours less than that of in the 1970s.

o Seoul,

- The mean temperatures in April during the 2000s (2001-2010) was 1.0°C above that of in the 1970s (1971-1980).
- The precipitation in April during the 2000s was 37.5 mm less than that of in the 1970s.
- The number of rainy days in April during the 2000s was 0.6 days less than that of in the 1970s.
- The total sunshine hours in April during the 2000s was 16.8 hours less than that of in the 1970s.

1) 2000s : 2001~2010 / 1970s of Korea(Seoul) : 1973~1980(1971~1980)

Appendix 1 Climate features of April 2016 (Nationwide)

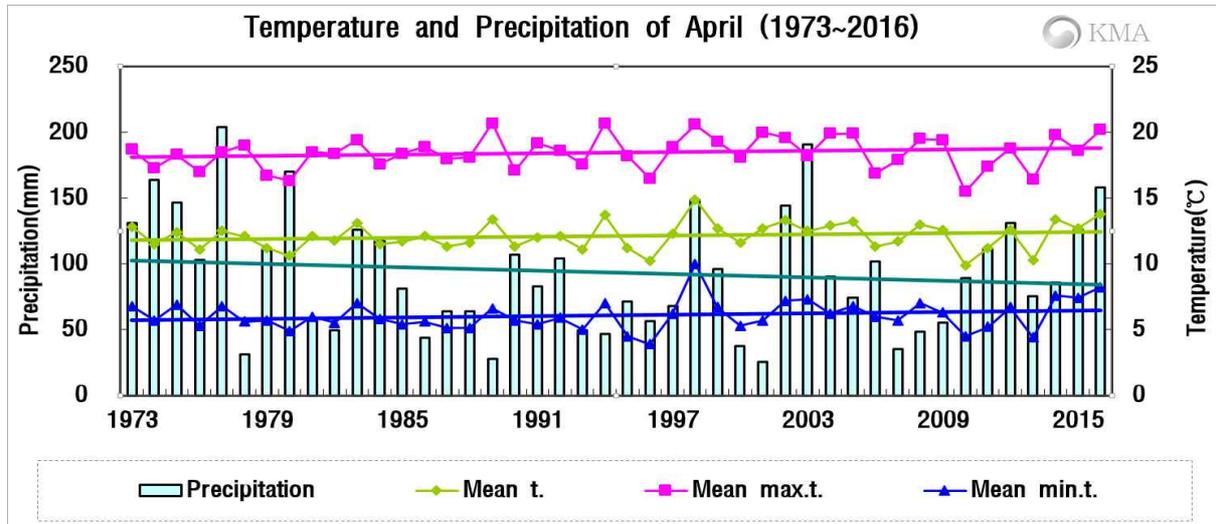


Fig 1. Temperatures (mean, mean maximum and mean minimum) and precipitation in South Korea during April (1973–2016).

□ The nationwide average value of meteorological element during April (1973–2016)

Elements (whole country)	April 2016(a)	April 2015(b)	Normals of April (1981-2010)(c)	a-b	a-c	Rank since 1973 (within 5th)
Mean temperature (°C)	13.8	12.7	12.2	1.1	1.6	the 2nd highest
Mean maximum temp. (°C)	20.2	18.6	18.6	1.6	1.6	the 4th highest
Mean minimum temp. (°C)	8.2	7.4	6.0	0.8	2.2	the 2nd highest
Precipitation (mm)	158.1	126.0	78.5	32.1 (136.3%)	79.6 (197.7%)	the 5th highest
Days of rain (day)	11.1	14.2	7.8	-3.1	3.3	the 5th highest
Sunshine duration (hour)	207.1	189.4	213.6	17.7 (109.3%)	-6.5 (97.0%)	
Mean cloud amount (1/10)	5.4	5.6	4.7	-0.2	0.7	
Days of minimum temperature more than 10°C(day)	8.3	6.7	5.4	1.6	2.9	the 5th highest
Days of maximum temperature more than 20°C(day)	15.5	12.4	11.9	3.1	3.6	
Asian dust days (day)	3.3	0.5	2.5	2.8	0.8	

□ The nationwide average value of meteorological element during April in each decade (1973–2010)

Year	Mean temp. (°C)	Mean max. temp. (°C)	Mean min. temp. (°C)	Prep. (mm)	Days of rain (day)	Sunshine duration (hour)	Mean cloud amount (1/10)	Days of minimum temperature more than 10°C(day)	Days of maximum temperature more than 20°C(day)	Asian dust days (day)
1973-1980(a)	11.8	17.7	6.0	132.5	9.2	210.4	5.3	5.0	9.2	1.5
1981-1990(b)	12.0	18.5	5.8	73.8	8.1	220.2	4.9	4.8	11.7	1.3
1991-2000(c)	12.2	18.8	6.0	76.0	7.4	217.6	4.5	6.0	12.4	2.6
2001-2010(d)	12.3	18.7	6.3	85.6	8.0	203.1	4.7	5.4	11.6	1.4
2016(e)	13.8	20.2	8.2	158.1	11.1	207.1	5.4	8.3	15.5	3.3
d-a	0.5	1.0	0.3	-46.9	-1.2	-7.3	-0.6	0.4	2.4	-0.1
d-b	0.3	0.2	0.5	11.8	-0.1	-17.1	-0.2	0.6	-0.1	0.1
d-c	0.1	-0.1	0.3	9.6	0.6	-14.5	0.2	-0.6	-0.8	-1.2
e-d	1.5	1.5	1.9	72.5	3.1	4.0	0.7	2.9	3.9	1.9

Appendix 2 Climate features of April 2016 (Seoul)

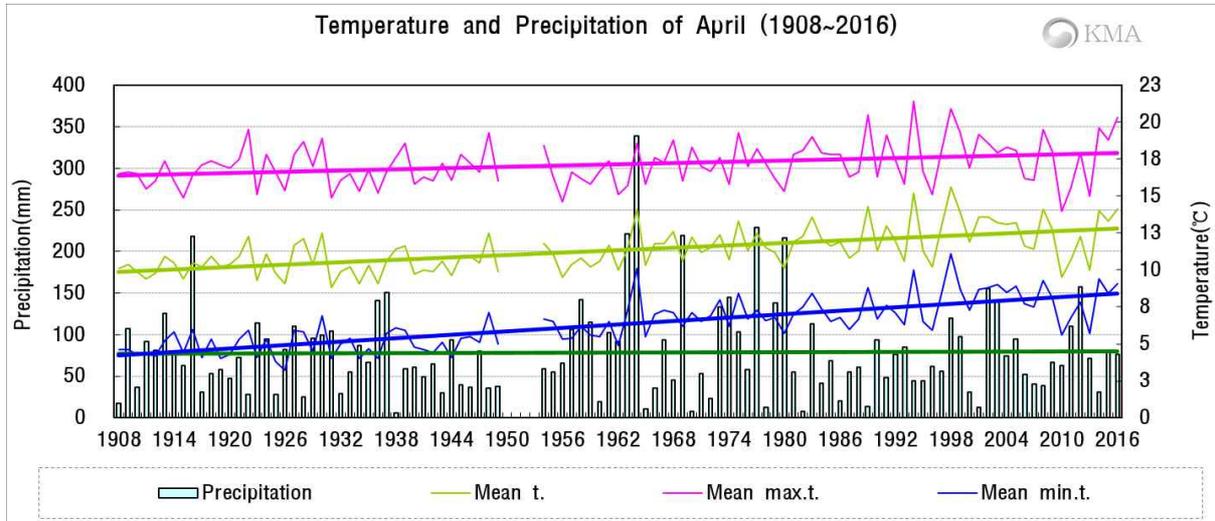


Fig 2. Temperatures (mean, mean maximum and mean minimum) and precipitation in Seoul during April (1908–2016).

□ The average value of meteorological element during April in Seoul(1908–2016)

Elements (Seoul)	April 2016(a)	April 2015(b)	Normals of April (1981-2010)(c)	a-b	a-c	Rank since 1908 (within 5th)
Mean temperature (°C)	14.1	13.3	12.5	0.8	1.6	the 4th highest
Mean maximum temp. (°C)	20.3	18.8	17.8	1.5	2.5	the 4th highest
Mean minimum temp. (°C)	9.1	8.4	7.8	0.7	1.3	
Precipitation (mm)	76.8	80.5	64.5	-3.7 (95.4%)	12.3 (119.1%)	
Days of rain (day)	10.0	11.0	7.8	-1.0	2.2	
Sunshine duration (hour)	219.5	216.0	205.0	3.5 (101.6%)	14.5 (107.1%)	
Mean cloud amount (1/10)	4.8	5.0	4.6	-0.2	0.2	
Days of minimum temperature more than 10°C(day)	12.0	9.0	7.9	3.0	4.1	
Days of maximum temperature more than 20°C(day)	16.0	13.0	10.1	3.0	5.9	the 5th highest
Asian dust days (day)	4.0	2.0	3.3	2.0	0.7	

□ The average value of meteorological element during April in Seoul in each decade (1911–2010)

Year	Mean temp. (°C)	Mean max. temp. (°C)	Mean min. temp. (°C)	Prep. (mm)	Days of rain (day)	Sunshine duration (hour)	Mean cloud amount (1/10)	Days of minimum temperature more than 10°C(day)	Days of maximum temperature more than 20°C(day)	Asian dust days (day)
1911-1920(a)	10.2	16.5	4.8	84.6	9.7	232.1	5.7	2.6	5.5	1.2
1921-1930	10.9	17.4	5.1	74.9	7.5	227.8	5.7	3.7	8.2	0.0
1931-1940(b)	10.1	16.3	5.0	76.1	7.6	226.2	5.7	3.1	6.0	0.0
1941-1949	10.5	16.9	5.1	51.9	7.6	246.0	5.0	2.4	8.7	0.0
1954-1960	10.6	16.4	5.9	80.3	8.9	207.3	5.3	3.9	7.4	0.6
1961-1970	11.7	17.1	6.9	116.5	9.2	196.9	5.6	6.3	8.4	1.0
1971-1980(c)	11.6	17.0	6.9	111.2	9.1	196.1	5.2	5.4	8.0	1.4
1981-1990	12.1	17.8	7.2	53.2	7.2	222.8	4.8	5.7	10.0	1.6
1991-2000	12.7	18.1	7.9	66.6	7.8	213.1	4.3	9.0	10.9	4.5
2001-2010(d)	12.6	17.6	8.2	73.7	8.5	179.3	4.6	9.0	9.3	3.9
2016(e)	14.1	20.3	9.1	76.8	10.0	219.5	4.8	12.0	16.0	4.0
d-a	2.4	1.1	3.4	-10.9	-1.2	-52.8	-1.1	6.4	3.8	2.7
d-b	2.5	1.3	3.2	-2.4	0.9	-46.9	-1.1	5.9	3.3	3.9
d-c	1.0	0.6	1.3	-37.5	-0.6	-16.8	-0.6	3.6	1.3	2.5
e-d	1.5	2.7	0.9	3.1	1.5	40.2	0.2	3.0	6.7	0.1