

MINISTRY OF AGRICULTURE,
RURAL DEVELOPMENT AND ENVIRONMENT
DEPARTMENT OF METEOROLOGY
CY-1418 NICOSIA

18 January 2021

MONTHLY WEATHER REPORT

THE WEATHER IN DECEMBER 2020

General Weather Conditions: In December the weather was relatively warm and dry. Unstable weather conditions prevailed during the periods 1-5, 7-11 and 13-16 and on the 22nd of the month, giving rain, local thunderstorms, gale winds and hail. The mean air temperature was about 2.0°C above normal and the area average precipitation was 74.7mm i.e. 71% of normal.

Severe Weather conditions: On the 1st of the month, waterspout was observed in the sea area of Zygi village. On the 2nd of the month, severe rainfall caused difficulties in the area of Famagusta. On the 12th of the month, waterspout was observed in the sea area of Protaras. On the 13th, 14th and 15th of the month, severe rainfall with hail and gale winds caused difficulties almost in all areas of Cyprus. On the 14th of the month, a tornado in the area of Nikitari-Astromeritis caused serious damages to homes and to plantations.

Precipitation (normal period: 1961-1990): According to preliminary estimates the area average precipitation in December was 74.7mm i.e. 71% of normal. Monthly precipitation was below normal in most areas, generally ranging between 33% (Paphos Airport) and 135% (Agia Napa) of normal.

Hail was recorded during the period 13-14 (Kellaki, Troodos, Agros, Vyzakia, Temvria, Prodromos, Makadonitissa) of the month. Snowfall was recorded on the 3rd (Troodos) of the month.

The cumulative area average precipitation during the period October-December 2020 was about 130.9mm, i.e. 68% of normal. Generally, the cumulative precipitation was below normal in most areas ranging between 39% (Omodos) and 145% (Agia Napa) of normal.

Temperature (normal period: 1981-2010): The mean air temperature for the month was about 2.0°C above normal. Mean daily temperatures were below normal on the 5th and 15th of the month, while during the rest of the days the mean daily temperatures were above or around normal. Maximum temperatures exceeded 19°C at Athalassa and Larnaka Airport on 24 and 26 occasions, respectively. At Prodromos they exceeded 9°C on 29 occasions. Most stations recorded their highest maximum temperature on the 3rd and during the period 8-11 of the month and their lowest minimum temperature during the period 24-26 of the month.

Ground frost was recorded on 6 occasions over the mountainous areas.

The 5-day averages of air temperature and their deviations from normal at various places are shown in Table 1 and the extreme temperatures are shown in Table 2.

DECEMBER 2020

FIVE-DAY TEMPERATURES AND DEVIATIONS FROM NORMAL (° C)

MEAN DAILY MAXIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.
DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	
1--5	21	2	21	1	22	2	12	2	2
6--10	22	4	22	3	22	2	14	4	3
11--15	20	3	22	3	22	3	10	2	3
16--20	20	4	21	3	21	3	11	4	3
21--25	20	3	19	2	20	2	11	4	3
26--31	20	4	20	2	21	3	12	5	3
MONTH	21	3	21	2	21	3	12	3	3

MEAN DAILY MINIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.
DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	
1-5	9	0	13	3	13	2	4	0	1
6--10	8	0	12	2	12	1	4	1	1
11--15	10	3	13	4	15	5	5	2	3
16--20	9	2	12	3	11	2	4	2	2
21--25	6	-1	10	1	10	1	2	0	0
26--31	5	-1	11	2	10	1	3	1	1
MONTH	8	0	12	3	12	2	4	1	1

Normal Period for Temperature: 1981 - 2010

Table 2

EXTREME TEMPERATURES								
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS	
TEMPERAT.	(°C)	DATE	(°C)	DATE	(°C)	DATE	(°C)	DATE
HIGHEST MAXIMUM	23.5	11	23.7	8	23.3	13	14.9	10
LOWEST MINIMUM	4.2	25	8.4	25	8.6	26	0.9	24