

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

21 June 2023

MONTHLY WEATHER REPORT

THE WEATHER IN MAY 2023

General Weather Conditions: In May temperature and precipitation were close to normal values for the month. Unstable weather conditions occurred on the 1st, 5-8, 11-12, 19-21, 23-25 and 27-31 of the month and caused local showers and thunderstorms in many parts of the island. The average temperature of the month had °C deviation from normal and the average monthly precipitation was 17.8mm or 91% of normal.

Severe Weather conditions: On the 6th-7th of the month torrential rains with hailstones the size of walnuts occurred mainly inland (Kaimakli, Pallouriotisa, Agios Dometios, Agios Pavlos, Strovolos), over the mountains, but also in areas of Paphos (Polis, Gefyri Panagias), Limassol and Larnaca, causing floodings in houses and shops. The increase to 47% (9.2 mm) of the normal rainfall for the month (19.6 mm) is solely due to the intense rainfall that occurred in the last three days, 6-8 of the month. On the 23rd-24th of the month, heavy rain occurred in several areas, mainly in Nicosia and Limassol. On the 30th of the month torrential rains with intense hail occurred mainly inland (Kornos, Kokkinotrimithia) and in Larnaca district. Landslides were caused in Larnaca (Ag. Vavatsinias-Vavatsinias), where a section of the highway near Kornos was temporarily closed. Torrential rains and hail also caused damage to crops and plantations in various areas. The heavy rains caused fast flowing and overflowing Pediaios river in Strovolos-Nicosia, an unusual phenomenon for May. On the 22nd and 28th of the month, high amounts of dust in the atmosphere were recorded, something unusual for May. The highest concentrations reached 166 µg/m³ on the 22nd and 131 µg/m³ on the 28th of the month in Paralimni, while normal levels are up to 50 µg/m³. Fires were recorded in several areas of the island.

Precipitation (normal period: 1961-1990): According to preliminary estimations the area average precipitation in May was 17.8mm i.e. 91% of normal. Mean monthly precipitation was below normal in all areas, generally ranging from 0% (Frenaros) to 253% (Kornos) of normal.

The cumulative area average precipitation during the period October 2022 – May 2023 was about 442.5mm i.e. 91% of normal. The cumulative precipitation was near normal in all areas, ranging from 64% (Zygi) to 129% (Athalassa) of normal.

Temperature (normal period: 1981-2010): The average temperature for the month was close to normal levels. Average daily temperatures were below normal on the 1st, 7th, 18-20th, 23-24th, 26-27th and 29-31st of the month, while during the rest of the month they were above or around normal. Slightly higher than normal daily temperatures were recorded during the period 4-5th, 11-12th and 15-17th of the month, where maximum temperatures mainly inland and on the coastal areas were about 3 °C to 5 °C above normal. The maximum temperatures in Athalassa and Larnaca exceeded 28 °C and 26 °C in 21 and 19 cases respectively, in Paphos they exceeded 25 °C in 11 cases and in Prodromos they exceeded 19 °C in 19 cases. The most representative stations recorded their highest maximum temperature on the 17th and 27th of the month and the lowest minimum temperature on the 1st of the month.

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.

MAY 2023

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

PRELIMINARY DATA

Table 1

MEAN DAILY MAXIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.
DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	
1--5	29	2	27	2	25	3	19	2	2
6--10	27	-1	25	0	23	0	16	-3	-1
11--15	31	1	28	2	25	0	22	1	1
16--20	30	0	29	2	27	2	21	0	1
21--25	29	-2	27	-1	25	0	19	-3	-1
26-31	29	-3	27	-1	28	2	21	-2	-1
MONTH	29	-1	27	1	26	1	20	-1	0

MEAN DAILY MINIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.
DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	
1--5	12	0	16	2	15	2	8	-1	1
6--10	12	-1	16	1	16	1	7	-2	0
11--15	15	0	17	2	17	2	11	0	1
16--20	15	0	18	2	18	3	10	-1	1
21--25	15	0	18	2	17	2	9	-3	0
26-31	15	-2	19	1	18	2	10	-2	0
MONTH	14	-1	17	2	17	2	9	-1	0

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	35.5	17	33.5	17	35.3	27	26.4	17
LOWEST MINIMUM	9.2	1	10.7	1	11.3	1	4.4	1