

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

20 June 2024

MONTHLY WEATHER REPORT

THE WEATHER IN MAY 2024

General Weather Conditions: The weather in May was relatively warm and in terms of precipitation normal to wet for the month. Unstable weather conditions occurred on the 1st, 4th-6th, 12th and 15th of the month and caused local thunderstorms, rain and hail in various areas of Cyprus. The average temperature for the month had a 1.2°C deviation from normal and the average monthly precipitation was 21.5mm or 110% of normal.

Severe Weather conditions: On the 5th of the month, heavy rain, local thunderstorms with intense hail occurred in various areas of Cyprus, with the most unstable weather conditions, in the mountainous areas and inland. Due to the heavy hail, roads turned white in villages of Nicosia district. Problems were caused in the road network, in the electricity supply and mainly in the area of Pitsilia, damage to agricultural crops. On the 11th of the month, extremely high amounts of dust were recorded in the atmosphere, somewhat unusual for May. Based on hourly values quoted by the Department of Labor, at 08:00 AM dust levels were well above the 50 micrograms per cubic meter level. In Nicosia it was 652.3 µg/m³, in Limassol 218 µg/m³, in Larnaca 919.8 µg/m³, in Paralimni 334.5 µg/m³, in Paphos 167.6 µg/m³, in Zygi 373 µg/m³, in Agia Marina Xyliatou 849.1 µg/m³. On the 12th of the month, heavy rains affected the road network. Many fires were recorded in the whole island during this month.

Precipitation (normal period: 1961-1990): According to preliminary estimations the area average precipitation in May was 21.5mm i.e. 110% of normal. Mean monthly precipitation ranged from 0% (Meniko) to 369% (Dipotamos Dam) of normal.

The cumulative area average precipitation during the period October 2023 – May 2024 was about 353.3mm i.e. 73% of normal. The cumulative precipitation ranged from 54% (Palaichori) to 118% (Athalassa) of normal.

Hail occurred on the 5th (Ag. Mamas Limassol, Askas, Kato Polemidia Ypsonas, Zakaki, Agios Ioannis Limassol, Moniatis, Ora, Kofinou, Alona, Troodos) and on the 6th (Skarinou) of the month.

Temperature (normal period: 1981-2010): The average temperature for the month was 1.2 °C above normal. Daily average temperatures were below normal on the 4-7th, 11-16th, 26th and 28th-31st of the month, while during the rest of the month they were above or around normal. Considerably higher than normal daily temperatures were recorded during the period 1-3rd, 18-22nd of the month, where maximum temperatures mainly inland, on the mountainous and coastal areas were about 4°C to 7°C above normal. Considerably lower than normal daily temperatures occurred during the 4-6th and 11-12th of the month, where maximum temperatures mainly inland and over the mountainous areas reached about 4°C to 6°C below normal. The maximum temperatures in Athalassa and Larnaca exceeded 28°C and 26°C in 28 and 24 cases respectively, in Paphos they exceeded 25°C in 28 cases and in Prodromos they exceeded 19°C in 21 cases. The most representative stations recorded their highest maximum temperature on the 10th and 22-23rd of the month and the lowest minimum temperature on the 5-7th 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 2024

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	28	1	27	2	24	1	18	1	1
6--10	29	1	27	1	26	2	20	1	1
11--15	27	-2	26	0	24	0	16	-4	-1
16--20	33	2	28	1	26	1	26	5	2
21--25	34	3	30	3	27	2	25	4	3
26-31	30	-1	28	0	26	1	22	0	0
MONTH	30.1	0.5	27.5	1.1	25.6	1.1	21.4	1.1	0.9

MEAN DAILY MINIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.
DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	
1--5	16	4	18	4	18	5	9	1	3
6--10	13	-1	15	0	15	1	9	-1	0
11--15	14	0	17	1	17	3	8	-3	0
16--20	16	0	19	3	18	3	15	4	2
21--25	18	3	19	3	20	5	14	2	3
26-31	16	-1	19	1	18	2	11	-2	0
MONTH	15.5	0.7	17.6	2.0	17.6	2.9	11.0	0.1	1.4

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	36.9	22	31.1	23	31.7	10	28.5	22
LOWEST MINIMUM	11.6	5, 6	13.0	6	13.5	7	4.9	6