

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

16 May 2024

MONTHLY WEATHER REPORT

THE WEATHER IN APRIL 2024

General Weather Conditions: April weather was exceptionally warm and precipitation close to normal for the time of the year. Unstable weather conditions occurred during the period 6-13, 28 and 30 of the month, causing rain and thunderstorms with hail and strong winds. The mean air temperature was about 4 °C above normal and the average monthly precipitation was 28.9mm or 97% of normal.

Severe Weather conditions: On the 6th of the month heavy hail was recorded in Dali. On the 8th-9th of the month severe weather phenomena affected the whole of Cyprus with lots of rain, thunderstorms and heavy hail. The rain was prolonged and caused flooding in several areas throughout Cyprus. Several areas literally "drowned" from the torrential rains mainly in Nicosia and Larnaca. Houses, properties and roads, were flooded in all the provinces, as well as the parking of the University of Cyprus. Several vehicles were trapped on roads. Throughout the island, many roads turned into rivers and torrents, with the height of the water in some cases exceeding thirty centimeters, causing countless problems in the road network. The Pediaos River also turned into a torrent. In the Idalio in Nicosia, the bridge on Nea Ledra Street closed due to overflowing water from a torrent, where human lives were at risk. Due to the bad weather many problems with the electricity supply occurred in many areas, mainly Nicosia and Larnaca. Great damages (biblical level according to the farmers) were also noted in the agricultural crops (grain, olive trees, fruit trees, etc.) mainly due to the hail and floods in the fields. Lightning caused hay bales to catch fire. On 10th heavy rain in Limassol caused traffic problems. Frequent desert dust episodes affected the island during April. On the 18th of the month, a serious dust episode literally "suffocated" Cyprus with extremely high concentrations that reached 350 µg/m³ in Nicosia, i.e. 6-7 times above the permissible limit of 50 µg/m³, (Zygi 278 µg/m³, Ag. Marina Xyliatou 274 µg/m³). Luckily, these high concentrations lasted for a short time in all provinces. During the periods 1-4 and 17-27 of the month more dust episodes affected the island with the highest values reaching 158 µg/m³ in Nicosia on the 25th of the month. During the period 1-3 and 24-25 of the month, very high temperatures for the time of the year, affected the whole island with temperatures exceeding the normal temperature by 10-12°C.

Precipitation (normal period: 1961-1990): According to preliminary estimates the average precipitation in April was 28.9mm or 97% of normal. Monthly precipitation generally varied between 3% (Paphos Airport) and 440% (Athalassa) of normal.

Hail occurred on the 6th (Dali, Alethriko), 8th (Kalopanagiotis, Troodos, Agros) and 9th (Geri, Stavrovouni, Mazottos, Pervolia, Kato Platres) of the month.

The cumulative area average precipitation during the period October 2023 - April 2024 was approximately 333.1mm or 71% of normal. Total rainfall generally ranged between 54% (Paphos Airport) and 121% (Athalassa) of normal.

Temperature (normal period: 1981-2010): The mean air temperature for the month was 4°C above normal. The mean daily temperatures were above or near normal for the whole month except for the 9th. Very high temperatures for the time of the year were recorded during the periods 1-3 and 23-25 of the month, mainly inland and in the mountainous areas, where they reached up to 8-12°C above normal. The maximum temperatures in Athalassa exceeded 24°C in 27 cases, in Larnaca they exceeded 23°C in 28 cases, in Paphos they exceeded 22°C in 28 cases, while in Prodromos they exceeded 15°C in 27 cases. Most stations recorded their highest maximum temperature during the period 23-25th and their lowest minimum temperature on the 5th, 8th and 9th of the month.

There was no air frost neither ground frost recorded.

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.

APRIL 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	31	9	27	6	24	4	22	9	7
6--10	24	1	23	2	23	2	13	-1	1
11--15	28	3	25	2	24	3	18	1	2
16--20	29	4	27	4	24	3	21	5	4
21--25	31	6	28	4	27	5	24	8	6
26--30	31	4	30	5	26	3	22	5	4
MONTH	29.0	4.6	26.6	3.8	24.8	3.3	20.1	4.6	4.1

MEAN DAILY MINIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.
DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	
1--5	12	3	13	3	14	4	12	7	4
6--10	11	2	14	3	14	3	5	0	2
11--15	14	4	16	4	15	3	9	2	3
16--20	13	3	16	4	16	4	10	3	4
21--25	13	2	16	4	17	5	14	7	4
26--30	18	6	20	6	17	5	15	7	6
MONTH	13.6	3.2	15.6	3.9	15.6	4.1	10.9	4.3	3.9

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	36.1	24	32.9	25	34.2	24	28.0	23
LOWEST MINIMUM	9.5	8	11.7	5	12.4	5	3.6	9