

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

05 September 2024

MONTHLY WEATHER REPORT

THE WEATHER IN AUGUST 2024

General Weather Conditions: The weather in August was hot and dry. Unstable weather conditions prevailed on the 4th, 11th, 16th, and during the periods 25-27, 29-31 of the month, where they caused local showers and thunderstorms inland and over the mountainous areas. The average temperature for the month was about 1.9°C above normal and the average precipitation was 1.7mm or 59% of normal.

Severe weather Conditions: On the 16th of the month, local heavy showers affected inland and the mountainous areas. Locally, hail also fell in the mountains. On August 25th and 26th, several inland and mountainous areas experienced heavy rainfall and storms. High temperatures were the main feature of the month, but expected for August. The number of fires was high for this month also.

Precipitation (normal period: 1961-1990): According to preliminary estimates, the area average precipitation in August was 1.7mm i.e. 59% of normal. Monthly precipitation ranged from 0% to 2580% (Kato Dris) of normal.

The cumulative area average precipitation during the period October 2023 - August 2024 was about 354.8mm, i.e 71% of normal. The cumulative precipitation was below normal in all areas, generally ranging from 55% (Paphos Airport) to 116% (Tseri) of normal.

Temperature (normal period: 1981-2010): The mean daily air temperature for the month was about 1.9°C above normal. Mean daily temperatures were below normal on the 3rd of the month inland-Nicosia and 23rd and 27th of the month in the mountainous areas-Prodromos, while the rest of the month was above or around normal. Heatwave conditions (maximum daily temperature over 40°C, for Nicosia and over 31°C in Prodromos) prevailed on the 1st, 11-18th of the month inland-Nicosia and in the period 2-9, 12-15, 17-19 and 21st of the month in Prodromos, where the maximum temperatures reached approximately 2-4°C above normal. It is noted that the heatwave was affecting Nicosia and Prodromos for 8 consecutive days.

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.

AUGUST 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	39	2	36	3	32	2	31	3	2
6--10	39	2	33	0	32	2	31	3	2
11--15	40	3	35	1	33	2	31	3	2
16--20	40	3	34	2	33	2	32	4	3
21--25	38	1	34	1	33	2	29	2	1
26-31	37	1	34	2	32	2	27	0	1
MONTH	38.9	1.9	34.5	1.7	32.5	2.0	30.3	2.3	2.0

MEAN DAILY MINIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.
DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	
1--5	24	1	24	1	24	3	21	2	2
6--10	22	0	24	1	23	2	20	2	1
11--15	24	2	24	1	24	3	20	2	2
16--20	22	0	24	1	24	3	20	2	2
21--25	24	2	25	3	25	4	19	1	2
26-31	22	1	24	2	24	4	17	0	2
MONTH	23.0	1.0	24.0	1.7	24.1	2.9	19.5	1.3	1.7

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	41.8	1	38.9	5	33.6	1	33.9	20
LOWEST MINIMUM	20.8	30	22.2	18	22.1	19	16.3	28