

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

15 July 2024

MONTHLY WEATHER REPORT

THE WEATHER IN JUNE 2024

General Weather Conditions: The weather in June was extremely hot and dry. Unstable weather conditions prevailed on the 8th, 9th, 22nd and 30th of the month, and caused locally heavy showers and thunderstorms inland and in the mountainous areas. The average June temperature was 4.5°C above normal and the average monthly precipitation was 2.0mm or 33% of normal.

Severe Weather conditions: On the 9th of the month local torrential rains and isolated thunderstorms with hail affected inland and the mountainous areas, in all the provinces of Cyprus. At the same time the coastal provinces and the capital were “baked” by the high temperatures. In Saittas 18 millimeters of precipitation was recorded in one day, (171% of the month's normal rainfall). On the 22nd and 30th of the month midday summer thundery showers affected inland and the mountainous areas. In some areas hail was recorded. The most intense phenomena observed in mountainous areas. **June 2024 is the warmest June ever recorded in Cyprus for all areas of the island regardless of altitude.** Out of the Meteorological Department's network of 52 automatic weather stations, 43 of them recorded their most extreme maximum temperature ever recorded, since the day of each station started to operate, in June this year. On the 14th and 15th of the month, extremely high maximum daily temperatures -heatwave- prevailed throughout Cyprus with some indicative values of (Astromeritis 45.3°C, Mammari 44.9°C, Nicosia 44.8°C, Athalassa 44.6°C and Larnaca 41.5°C and Prodromos 35.6°C). Also, the duration in days of the month with a temperature greater than 40°C inland and greater than 31°C in Prodromos set a record, with 15 days of the month of which 6 consecutive in Athalassa and 13 days of the month of which 5 consecutive in Prodromos. Two people died from heat stroke. Countless fires with great damage and disasters occurred in June. Forests, plantations, crops, animals, houses, properties, stakes, cables and EAC transformers were burnt, causing problems in the electricity supply, roads were closed and people were displaced mainly in Pafos district.

Precipitation (normal period: 1961-1990): According to preliminary estimations the area average precipitation in June was 2.0mm i.e 33% of normal. Monthly precipitation ranged from 0% (most stations) to 293% (Omodos) of normal.

The cumulative area average precipitation during the period October 2023-June 2024 was about 353.2mm i.e 72% of normal. The cumulative precipitation ranged from 50% (Orites) to 115% (Athalassa) of normal.

Hail was reported on the 8th (Tseri), 9th (St. Ioannis Malountas) and 22nd (Omodos) of the month.

Temperature (normal period: 1981-2010): The mean air temperature for the month was 4.5°C above normal. Mean daily temperatures were above normal throughout the month, except for the 1st of the month which was near normal. Heatwave conditions (maximum daily temperature over 40°C for Nicosia and over 31°C for Prodromos) prevailed during the periods 2-8, 12-15 and 26-28 in Nicosia and 4-8, 12-15 and 24-28 in Prodromos. The maximum daily temperatures in Athalassa exceeded 34°C on 30 occasions, i.e. the whole month, in Larnaca and Prodromos they exceeded 30°C and 25°C on 29 occasions respectively. Most stations recorded their highest maximum temperature on the 7th and during the 14th-15th of the month and their lowest minimum temperature on the 1st and 9th 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.

JUNE 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	40	8	35	6	29	3	29	7	6
6--10	41	8	36	6	34	7	31	7	7
11--15	42	8	36	6	32	4	32	8	7
16--20	38	4	32	2	31	3	29	4	3
21--25	38	3	32	1	31	3	30	4	3
26--30	40	4	33	1	32	3	31	5	3
MONTH	39.8	5.7	34.1	3.9	31.3	3.6	30.6	5.6	4.7

MEAN DAILY MINIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.
DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	
1--5	22	5	22	4	21	5	18	6	5
6--10	26	7	26	8	24	7	19	5	7
11--15	24	5	23	4	23	5	21	6	5
16--20	21	1	23	3	23	4	19	4	3
21--25	22	1	23	3	23	4	20	4	3
26--30	23	2	24	3	23	3	21	4	3
MONTH	23.1	3.9	23.5	4.1	22.8	4.7	19.7	4.7	4.4

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	44.6	14	41.5	15	38.4	7	35.6	14
LOWEST MINIMUM	15.7	1	18.1	1	18.4	1	13.6	9