

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

15 October 2023

MONTHLY WEATHER REPORT

THE WEATHER IN SEPTEMBER 2023

General Weather Conditions: The weather in September was extremely wet and hot. Unstable weather conditions occurred on the 3rd, 27th and during the 10th-12th, 19th-20th and 29th-30th of the month, causing local showers and isolated thunderstorms with local hail, mainly inland and over mountains. The mean air temperature for the month was 2°C above normal and the average rainfall was 11.6mm or 258% of normal.

Severe Weather conditions: On the 11th of the month, heavy rain, thunderstorms and winds caused some landslides in mountainous and semi-mountainous areas and damages in several shops in Paphos. On the 19th of the month, thunderstorms accompanied by hail caused great damage to crops, mainly in the area of Pitsilia. The economic damage was reported to be tens of thousands for the apples in Kyperounda alone. On the 29th-30th of the month, rain and strong winds reported with no damages or serious problems. On the 11th, 19th and 30th of the month, rain recorded locally throughout Cyprus.

Precipitation (normal period: 1961-1990): According to the preliminary estimates, the area average precipitation in September was about 11.6mm or 258% of normal. The average rainfall ranged from 0% (Kiti) to 1183% (Kannaviou Dam) of normal.

The cumulative area average precipitation during the period October 2022-September 2023 was about 466.4mm, i.e. 93% of normal. The cumulative precipitation varied between 70% (Prodromos) to 126% (Athalassa) of normal.

Temperature (normal period: 1981-2010): The mean air temperature of the month was about 2°C above normal. The mean daily temperatures were above normal for the whole month, apart from Prodromos where they were below normal only on the 3-6th, 11-12th, 19-20th and 30th of the month. Maximum temperatures exceeded 34°C in Athalassa in 28 occasions, 31°C in Larnaka Airport in 29 occasions and in Prodromos they exceeded 23°C in 27 occasions. Most stations recorded their highest maximum temperature on the 8, 12 και 23 of the month and their lowest minimum temperature on the 11th, 15-16th, 21th and on 30th 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.

SEPTEMBER 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	36	1	32	0	31	1	26	0	0
6--10	36	2	33	2	31	2	28	3	2
11--15	35	1	33	2	32	3	24	-1	1
16--20	36	2	32	1	31	2	26	1	2
21--25	38	6	33	3	31	2	28	5	4
26--30	35	3	33	3	30	2	25	2	2
MONTH	36	2	33	2	31	2	26	2	2

MEAN DAILY MINIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.
DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	
1--5	21	1	23	2	23	2	16	0	1
6--10	20	1	22	2	23	3	16	1	2
11--15	21	2	23	3	22	2	14	-1	2
16--20	19	0	20	1	21	2	16	0	1
21--25	20	2	21	2	21	2	18	4	2
26--30	19	2	21	2	22	4	16	2	3
MONTH	20	1	22	2	22	3	16	1	2

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	39.6	8	34.5	23	34.5	12	32.5	8
LOWEST MINIMUM	17.1	21	19.4	30	20.2	15 & 16	12.3	11