

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

8 October 2018

MONTHLY WEATHER REPORT

THE WEATHER IN SEPTEMBER 2018

General Weather Conditions: In September the weather was wet and hot. Unstable weather conditions occurred during the periods 7-11 and 13-16, on the 20th and during the period 29-30 of the month, giving local showers and isolated thunderstorms, mainly inland and over mountains. The mean air temperature was about 1.5°C above normal and the area average precipitation was 11.3mm i.e. 251% of normal.

Severe Weather conditions: During the periods 1-5 and 23-24 of September extremely high temperatures were recorded almost in all areas of Cyprus. On the 9th of the month, severe rainfall with hail resulted in floods in Athienou village. On the 30th of the month, severe rainfall with hail of large size and strong winds affected several areas of Nicosia. The severe rainfall resulted in floods in the areas of Strovolos, Kaimakli and Pallourgiotissa.

Precipitation (normal period: 1961-1990): According to preliminary estimates, the area average precipitation in September was about 11.3mm i.e. 251% of normal. The mean rainfall was above normal inland and over mountains, ranging from 0% to 2196% (Panagia Bridge) of normal.

Hail was recorded on the 8th (Paralimni), 9th (Athienou) and 30th (Strovolos, Nicosia) of the month.

The cumulative area average precipitation during the period October 2017-September 2018 was about 443.7mm, i.e. 88% of normal. Generally the cumulative precipitation was below normal almost in all areas, except of some mountainous areas, ranging from 64% (Xylotymvou) to 127% (Panagia Bridge) of normal.

Temperature (normal period: 1981-2010): The mean air temperature of the month was about 1.5°C above normal. The mean daily temperatures were below normal during the period 14-15 of the month, while during the rest of the month they were above or around normal. Extremely high temperatures were recorded during the periods 1-5 and 23-24 of the month, when daily maximum temperatures were up to 6°C above normal. Heat wave conditions (maximum daily temperature above 40°C) prevailed during the period 1-4 of the month. The daily maximum temperature of 41.4°C, recorded in Athalassa area in Nicosia city on the 3rd of September, was the highest for the specific Station and for the specific month since 1983. Maximum temperatures exceeded 34°C in Athalassa on 28 occasions, 31°C in Larnaka Airport on 27 occasions and in Prodromos they exceeded 24°C on 21 occasions. Most stations recorded their highest maximum temperature during the period 3-4 of the month and their lowest minimum temperature on the 9th and during the period 26-28 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 2018

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	5	34	2	32	2	32	5	4
6--10	35	1	32	1	31	2	23	-2	0
11--15	34	0	32	1	30	1	24	-1	0
16--20	37	3	33	2	31	2	25	0	2
21--25	37	4	32	2	30	1	27	4	3
26--30	35	3	31	2	30	2	26	3	2
MONTH	36	3	32	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	23	3	23	2	21	1	19	3	2
6--10	19	0	21	1	22	3	13	-3	0
11--15	20	1	21	1	21	2	13	-3	0
16--20	23	4	22	2	20	1	15	0	2
21--25	20	2	20	1	18	0	16	2	1
26--30	20	2	21	2	20	2	15	1	2
MONTH	21	2	21	2	20	1	15	0	1

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	41.4	3	36.1	3	32.5	18	32.3	4
LOWEST MINIMUM	17.7	24	19.5	28	16.7	26	10.2	9