

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

8 March 2023

MONTHLY WEATHER REPORT

THE WEATHER IN FEBRUARY 2023

General Weather Conditions: In February the weather was dry and relatively cold. Unstable weather conditions prevailed during the periods 1-7, 10-13, 15 and 24-25 of the month, giving rain, local thundery showers, hail and snowfall over mountainous and semi-mountainous areas. The mean air temperature for the month was about 0.5°C below normal, while the area average precipitation was 61.5mm, i.e 75% of normal.

Severe Weather conditions: During the period 1-11 of the month low temperatures, strong winds, heavy rain, hail and snow in mountainous and semi-mountainous areas were recorded at times. In Troodos, the snowfall was heavy at times, whereas in the mountains and semi-mountains frost prevailed several times. On the 7th of the month, a water tornado occurred in Paphos. **The minimum temperature -12.8 °C recorded on the 8th of the month in Troodos was the lowest temperature recorded in this area in the month of February since records have been kept for this area.** Frost on the 8th of the month also occurred on the eastern coast where it caused damage mainly to potato crops. On the 3rd of the month there were telecommunications problems in Larnaca and power outages in several areas of Nicosia due to lightning - thunderstorms. On the 5th and 6th of the month, many areas of Cyprus were affected by local rain and thunderstorms, strong winds and hail, causing problems mainly in the road network in Limassol and Paphos due to the water accumulation on the roads and small landslides.

Precipitation (normal period: 1961-1990): According to preliminary estimates the area average precipitation in February was 61.5mm, i.e 75% of normal. Monthly precipitation generally ranged between 46% (Lythrodontas) to 159% (Gialia) of normal.

Snowfall was occurred on the 1st (Troodos, Prodromos, Kapoura, Pano Amiantos, Pedoulas, Agros, Palaichori), on the 2nd (Troodos), during periods 3-5 (Platania, Prodromos, Pedoulas) and 6-7 (Troodos, Panagia, Stavros Psokas) of the month.

Hail occurred on the 6th of the month in Byzakia, Lemba of Paphos, Mesa Geitonia, Ypsonas, Agios Ioannis Limassol.

The cumulative area average precipitation during the period October 2022 - February 2023 was about 330.0mm, i.e 88% of normal. Generally, the cumulative precipitation was below normal almost in all areas, ranging from 63% (Stroumbi) and 147% (Agia Napa) of normal.

Temperature (normal period: 1981-2010): The mean air temperature of the month was about 0.5°C below normal. Mean daily temperatures were below normal during the periods 1-2, 7-11 and 13-17 of the month, while rest of days they were around or above normal. Maximum temperatures exceeded 16°C at Athalassa in 13 occasions, 17°C at Larnaka and Pafos Airport on 10 and 12 occasions respectively. At Prodromos max temperature exceeded 7°C in 11 occasions. Most stations recorded their highest maximum temperature on the 28 of the month and their lowest minimum temperature on the 9 of the month.

Air frost was recorded in 18 occasions in the mountainous areas and in 2 occasions inland. Ground frost was recorded in 23 occasions in the mountainous areas, 16 occasions inland and 5 occasions in the coastal areas.

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.

FEBRUARY 2023

FIVE DAYS 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	14	-2	15	-1	16	-1	4	-2	-1
6--10	12	-3	14	-3	14	-3	1	-5	-3
11--15	13	-3	15	-2	16	-1	3	-4	-2
16--20	17	1	17	0	17	0	9	2	1
21--25	21	5	19	2	19	1	10	3	3
26--28	25	8	23	6	23	5	16	8	7
MONTH	16	0	17	0	17	0	7	0	0

MEAN DAILY MINIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.
DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	
1--5	3	-2	5	-1	8	0	-2	-2	-1
6--10	2	-4	5	-2	7	-2	-4	-5	-3
11--15	2	-4	6	-2	5	-3	-3	-4	-3
16--20	2	-3	6	-1	7	-2	0	-1	-2
21--25	6	1	8	1	9	1	2	2	1
26--28	7	1	12	4	11	3	6	5	3
MONTH	3	-2	7	-1	7	-1	-1	-1	-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	26.3	28	24.8	28	25.4	28	17.7	28
LOWEST MINIMUM	-1.9	9	1.8	9	2.5	9	-6.9	9