

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

30 January 2024

**MONTHLY WEATHER REPORT**

**THE WEATHER IN DECEMBER 2023**

**General Weather Conditions:** In December the weather was extremely warm and extremely dry. Unstable weather conditions prevailed during the periods 6-12, on the 16th και 20-23 of the month, giving rain, local thunderstorms, hail and some snow in Troodos. The mean air temperature was about 3.0°C above normal and the area average precipitation was 50.4mm i.e 48% of the normal for the month.

**Severe Weather conditions:** No severe weather events occurred. On the 11th of the month, due to intense thunderstorms activity, areas of Nicosia and Larnaca were left without electricity. Main characteristics of this month was the **severe drought** and the **high temperatures** which affected the whole island. **December 2023 with mean monthly temperature of 14.5°C is the 2nd warmest December on record since 1961.**

**Precipitation (normal period: 1961-1990):** According to preliminary estimates the area average precipitation in December was 50.4mm i.e 48% of normal. Monthly precipitation was below normal in most areas and generally ranging between 21% (Vavla) and 111% (Tseri) of normal.

Hail was recorded on the 6<sup>th</sup> (Avdelero, Oroklini), 8 (Paralimni and Deryneia), 11 (Agros, Ha Potami and in areas of Paphos), 11-12 (Stavrovoni), 12 (Alethrikou, Pseuda, Pirga Larnaka), 20 (Troodos) and 21 (Palaichori, Dymes) of the month.

Snow was recorded on the 22<sup>nd</sup> of the month (Troodos).

The cumulative area average precipitation during the period October 2023-December 2023 was about 133.1mm, i.e 69% of normal. Generally, the cumulative precipitation was below normal in most areas ranging between 35% (Derynia) and 116% (Tseri) of normal.

**Temperature (normal for the reference period: 1981-2010):** The mean air temperature for the month was about 2.9°C above normal. Mean daily temperatures were above or around normal during the whole month except for the 10<sup>th</sup> of the month in Prodromos, where it was 2.3 °C below normal. The maximum temperatures in Athalassa exceeded 18 °C all days of the month, in Paphos and Larnaca they exceeded 19 °C again all 31 days of the month, while in Prodromos they exceeded 8°C on 30 occasions. Most stations recorded their highest maximum temperature during the period 4-5 of the month and their lowest minimum temperature during the period 19-20<sup>th</sup> and on the 24<sup>th</sup> of the month.

Air and ground frost was not recorded in any area.

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.

**DECEMBER 2023**

**FIVE-DAY TEMPERATURES AND DEVIATIONS FROM NORMAL ( ° C )**

**Preliminary Data**

**MEAN DAILY MAXIMUM**

STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.	
	DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL		DEV.
	1--5	24	5	24	4	23	3	15	5	4
	6--10	20	1	22	2	22	2	9	0	1
	11--15	21	4	22	3	21	2	12	3	3
	16--20	21	5	22	4	22	3	11	3	4
	21--25	20	3	22	4	21	3	10	3	3
	26--31	21	5	22	4	22	4	12	4	4
	<b>MONTH</b>	<b>21.3</b>	<b>3.8</b>	<b>22.1</b>	<b>3.5</b>	<b>21.6</b>	<b>2.7</b>	<b>11.4</b>	<b>3.1</b>	<b>3.3</b>

**MEAN DAILY MINIMUM**

STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.	
	DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL		DEV.
	1--5	10	2	14	4	13	2	7	3	3
	6--10	10	2	13	3	13	2	4	1	2
	11--15	9	2	12	3	12	2	5	2	2
	16--20	8	2	13	4	11	2	5	3	2
	21--25	8	2	11	2	14	5	4	2	3
	26--31	8	2	12	4	11	2	6	4	3
	<b>MONTH</b>	<b>9.0</b>	<b>1.9</b>	<b>12.5</b>	<b>3.3</b>	<b>12.4</b>	<b>2.4</b>	<b>5.1</b>	<b>2.5</b>	<b>2.6</b>

**Normal Period for Temperature: 1981 - 2010**

*Table 2*

**EXTREME TEMPERATURES**

STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS	
	TEMPERAT. ( °C )	DATE	TEMPERAT. ( °C )	DATE	TEMPERAT. ( °C )	DATE	TEMPERAT. ( °C )	DATE
HIGHEST MAXIMUM	25.3	4	24.8	4	23.7	5	17.1	5
LOWEST MINIMUM	5.9	20	7.5	24	9.4	19	1.8	19