

DEPARTMENT OF METEOROLOGY
AREA AVERAGE PRECIPITATION (mm), DRY SPELLS AND STANDARDIZED PRECIPITATION INDEX (SPI-n) PER HYDROLOGICAL REGION
MONTH: MAY 2024

Table 1

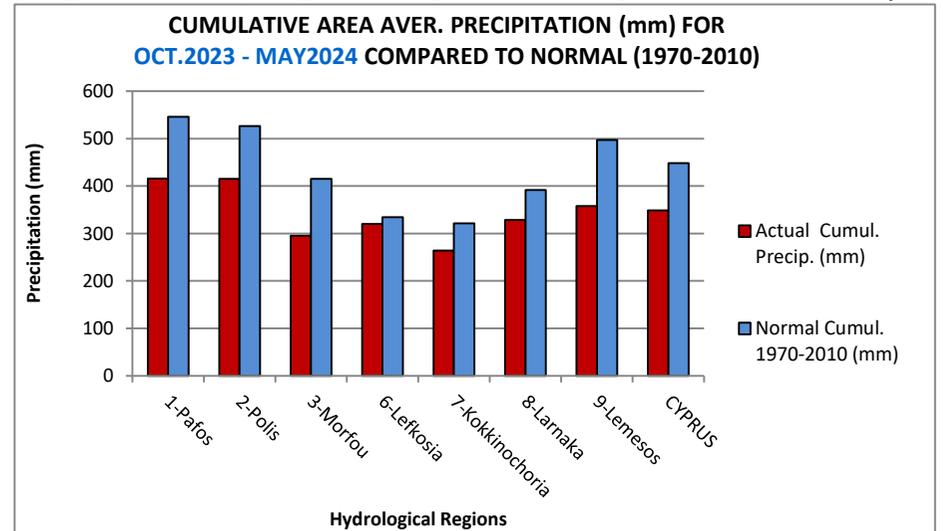
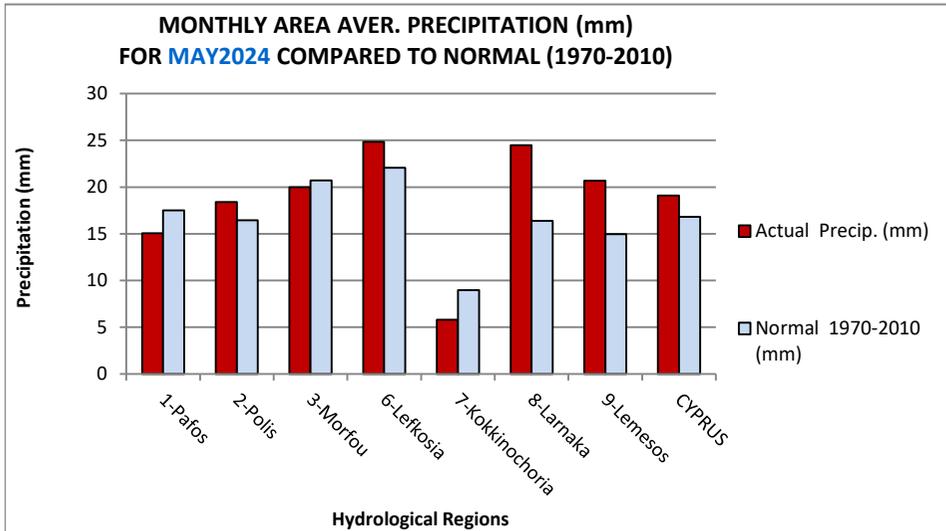
| HYDROLOGICAL REGION | PRECIPITATION (mm) | | | | | | | | DRY SPELLS | | STANDARDIZED PRECIPITATION INDEX (SPI-n) | | | | | | | | |
|---------------------|----------------------------|-----------------------|-------------|----------|----------------------------|------------------------------|-------------|----------|------------------------|----------|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Monthly Area Aver. Precip. | | | | Cumul. Area Aver. Precip. | | | | | | Dry Spells Periods for selected Meteorological Rainfall Stations (Dry days: <=2.0 mm) | | | | | | | | |
| | Actual Precip. (mm) | Normal 1970-2010 (mm) | % of Normal | Deciles | Actual Cumul. Precip. (mm) | Normal Cumul. 1970-2010 (mm) | % of Normal | Deciles | SPI-1 | SPI-3 | SPI-6 | SPI-9 | SPI-12 | SPI-24 | SPI-36 | SPI-48 | SPI-60 | | |
| 1-Pafos | 15.1 | 17.5 | 86% | 6 | 415.6 | 546.0 | 76% | 2 | 094-Asprokremmos | 3, 7, 19 | 0.06 | -1.36 | -1.12 | -0.89 | -0.94 | -0.79 | -0.42 | -1.08 | -0.28 |
| 2-Polis | 18.4 | 16.5 | 112% | 7 | 414.8 | 526.6 | 79% | 2 | 063-Evretou | 3, 7, 19 | 0.26 | -1.23 | -1.02 | -0.87 | -0.92 | -0.70 | -0.40 | -0.95 | -0.21 |
| 3-Morfou | 20.0 | 20.7 | 97% | 7 | 295.6 | 415.2 | 71% | 1 | 370-Kapoura | 4, 6, 19 | 0.20 | -0.72 | -1.16 | -1.01 | -1.04 | -0.78 | -0.61 | -1.16 | -0.19 |
| 6-Lefkosia | 24.8 | 22.1 | 113% | 7 | 320.1 | 334.4 | 96% | 4 | 565-Politiko (Tamasos) | 3, 6, 19 | 0.40 | 0.66 | -0.09 | -0.05 | 0.02 | 0.34 | 0.64 | -0.12 | 0.44 |
| 7-Kokkinochoria | 5.8 | 9.0 | 65% | 6 | 264.4 | 321.6 | 82% | 3 | 845-Frenaros | 4, 26 | 0.10 | -0.41 | -0.20 | -0.50 | -0.53 | 0.05 | -0.21 | -0.74 | 0.14 |
| 8-Larnaka | 24.5 | 16.4 | 150% | 8 | 328.5 | 391.9 | 84% | 3 | 592-Lefkara | 4, 26 | 0.67 | 0.18 | -0.48 | -0.45 | -0.29 | -0.47 | -0.11 | -0.97 | -0.12 |
| 9-Lemesos | 20.7 | 15.0 | 138% | 8 | 357.9 | 497.3 | 72% | 1 | 313-Kouris | 3, 5, 19 | 0.58 | -0.69 | -1.23 | -1.08 | -1.16 | -1.07 | -0.77 | -1.50 | -0.32 |
| CYPRUS | 19.1 | 16.8 | 114% | 7 | 348.8 | 448.2 | 78% | 1 | | | 0.35 | -0.69 | -0.95 | -0.82 | -0.83 | -0.69 | -0.39 | -1.13 | -0.17 |

Graph 1



Note: Actual Cumul. Precip. = From the beginning of the current Hydrological Year. => (Oct.2023-May2024)

Graph 2



Note 1 (SPI According to): Desert Action, IES(Institute for Environment and Sustainability) and JRC (European Commission)

SPIs for short accumulation periods (e.g., SPI-1 to SPI-3) are indicators for immediate impacts such as reduced soil moisture, snowpack, and flow in smaller creeks

SPIs for medium accumulation periods (e.g., SPI-3 to SPI-12) are indicators for reduced stream flow and reservoir storage

SPIs for long accumulation periods (e.g., SPI-12 to SPI-48) are indicators for reduced reservoir and groundwater recharge

Note 2 (Deciles):

1 = Very Much Below Average, Lowest on Record

4-7 = Average

10 = Highest on Record, Very Much Above Average

2-3 = Below Average

8-9 = Above Average

| SPI VALUES (According to WMO-No.1090) | | |
|---------------------------------------|----------------|--|
| 2.0 + | extremely wet | |
| 1.5 to 1.99 | very wet | |
| 1.0 to 1.49 | moderately wet | |
| -0.99 to 0.99 | near normal | |
| -1.0 to -1.49 | moderately dry | |
| -1.5 to -1.99 | severely dry | |
| -2 and less | extremely dry | |