

# AREA AVERAGE PRECIPITATION (mm) AND STANDARDIZED PRECIPITATION INDEX (SPI) PER HYDROLOGICAL REGION

MONTH: APRIL 2020

| 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  |

| SPI VALUES ( According to Karavokyris & Partners) |                  |
|---|------------------|
| 0 to -0.99  | Mild drought     |
| -1.0 to -1.49                                     | Moderate drought |
| -1.5 to -1.99                                     | Severe drought   |
| -2 and less                                       | Extreme drought  |

| Hydrological Region | PRECIPITATION (mm)         |                       |             |          |                            |                              |             |           | DRY SPELLS<br><br>Dry Spells Periods for selected Meteorological Rainfall Stations (Dry days: <=2.0 mm) | STANDARDIZED PRECIPITATION INDEX (SPI-n) |       |       |       |        |        |        |        |        |      |
|---------------------|----------------------------|-----------------------|-------------|----------|----------------------------|------------------------------|-------------|-----------|---|--|-------|-------|-------|--------|--------|--------|--------|--------|------|
|                     | Monthly Area Aver. Precip. |                       |             |          | Cumul. Area Aver. Precip.  |                              |             |           |   | SPI-1                                    | SPI-3 | SPI-6 | SPI-9 | SPI-12 | SPI-24 | SPI-36 | SPI-48 | SPI-60 |      |
|                     | Actual Precip. (mm)        | Normal 1970-2010 (mm) | % of Normal | Deciles  | Actual Cumul. Precip. (mm) | Normal Cumul. 1970-2010 (mm) | % of Normal | Deciles   |   |  |       |       |       |        |        |        |        |        |      |
| 1-Pafos             | 28.2                       | 36.0                  | 78%         | 5        | 741.5                      | 528.5                        | 140%        | 9         | 094-Asprokremmos  | 23, 6                                    | -0.01 | -0.03 | 1.28  | 1.35   | 1.32   | 2.54   | 2.14   | 1.84   | 1.04 |
| 2-Polis             | 49.6                       | 35.4                  | 140%        | 8        | 694.6                      | 510.1                        | 136%        | 9         | 063-Evretou   | 8, 14, 5                                 | 0.78  | 0.18  | 1.19  | 1.30   | 1.24   | 2.21   | 1.76   | 1.61   | 0.92 |
| 3-Morfou            | 28.5                       | 28.2                  | 101%        | 7        | 568.3                      | 394.5                        | 144%        | 10        | 370-Kapoura   | 7, 15, 5                                 | 0.26  | 0.44  | 1.20  | 1.54   | 1.43   | 2.97   | 2.30   | 2.04   | 1.33 |
| 6-Lefkosia          | 25.3                       | 23.7                  | 107%        | 7        | 408.5                      | 312.4                        | 131%        | 9         | 565-Politikos (Tamasos)   | 7, 21                                    | 0.29  | 0.14  | 0.76  | 1.09   | 0.97   | 2.51   | 1.67   | 1.39   | 0.63 |
| 7-Kokkinochoria     | 9.2                        | 18.3                  | 50%         | 3        | 449.2                      | 312.6                        | 144%        | 9         | 845-Frenaros  | 9, 20                                    | -0.43 | 0.56  | 1.14  | 1.39   | 1.48   | 2.07   | 1.45   | 0.90   | 0.05 |
| 8-Larnaka           | 25.7                       | 24.5                  | 105%        | 7        | 536.6                      | 375.6                        | 143%        | 9         | 592-Lefkara   | 7, 13, 1, 5                              | 0.37  | 0.19  | 0.97  | 1.39   | 1.30   | 2.48   | 1.92   | 1.52   | 0.90 |
| 9-Lemesos           | 23.3                       | 29.8                  | 78%         | 6        | 740.7                      | 482.3                        | 154%        | 10        | 313-Kouris  | 8, 20                                    | -0.01 | 0.31  | 1.31  | 1.74   | 1.72   | 3.00   | 2.54   | 2.48   | 1.75 |
| <b>CYPRUS</b>       | <b>28.5</b>                | <b>28.6</b>           | <b>100%</b> | <b>7</b> | <b>617.1</b>               | <b>431.4</b>                 | <b>143%</b> | <b>10</b> |   |  | 0.28  | 0.23  | 1.23  | 1.52   | 1.47   | 2.76   | 2.21   | 1.99   | 1.20 |

**Note 1 (SPI According to):**

Desert Action, IES(Institute for Environment and Sustainability) and JRC (European Commission)

SPI-1 to SPI-3 are indicators for immediate impacts such as reduced soil moisture, snowpack, and flow in smaller creeks

SPI-3 to SPI-12 are indicators for reduced stream flow and reservoir storage

SPI-12 to SPI-48 are indicators for reduced reservoir and groundwater recharge

**Note 2 (Deciles):**

- 1 = Very Much Below Average, Lowest on Record
- 2-3 = Below Average
- 4-7 = Average
- 8-9 = Above Average
- 10 = Highest on Record, Very Much Above Average

