



AGROMETEOROLOGICAL BULLETIN

*March 2020
1st 10-day period*

- Temperature
- Relative Humidity
- Soil Temperature
- Sunshine Duration
- Precipitation
- Evaporation
- Growing Degrees
- Reference Evapotranspiration
- Accumulated Rainfall from the beginning of wet period
- Accumulated Reference Evapotranspiration
- Number of dry days



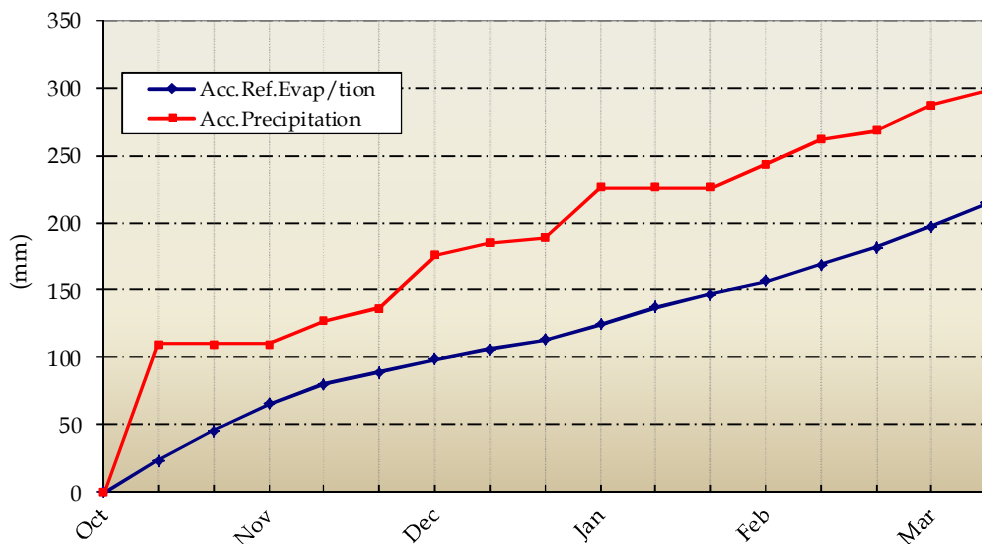
Hellenic National Meteorological Service
 Division of Climatology-Applications
 El. Venizelou Street 14, 16777
 Helliniko, Athens

Web adresses of HNMS
www.emy.gr
www.hnms.gr
www.emy.gov.gr
www.meteo.gov.gr
www.meteohellas.gr

| 1st 10-day period (1-10/03/2020) | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|----------------------------------|--------|------|------|------|------|------|------|------|------|------|------|-------------------|---------------------|-----------------------|
| Temperature | Max | 13.6 | 16.2 | 18.6 | 16.6 | 15.8 | 15.0 | 16.4 | 17.8 | 19.0 | 13.8 | 16.3 | 15.5 | 10.6 |
| | Min | -0.2 | 6.2 | 7.8 | 12.6 | 10.4 | 8.4 | 9.6 | 11.6 | 9.6 | 11.2 | 8.7 | 5.5 | 2.2 |
| Relative Humidity | Max | 92 | 90 | 88 | 89 | 93 | 94 | 88 | 75 | 92 | 95 | 90 | 94 | - |
| | Min | 54 | 65 | 62 | 66 | 67 | 60 | 50 | 67 | 48 | 79 | 62 | 60 | - |
| Soil Temperature at 10 cm | 06 UTC | 5.8 | 7.4 | 10.2 | 12.0 | 12.0 | 11.2 | 11.6 | 12.8 | 11.4 | 12.4 | 10.7 | 9.2 | 5.9 |
| | 12 UTC | 10.4 | 11.6 | 14.6 | 13.2 | 13.8 | 14.4 | 14.6 | 13.4 | 14.4 | 12.4 | 13.3 | 13.4 | 8.0 |
| Sunshine Duration | | 8.3 | 8.0 | 8.4 | 0.9 | 2.1 | 7.7 | 8.2 | 0.0 | 2.7 | 0.0 | 4.6 | 7.3 | 4.8 |
| Precipitation | | | | | 0.0 | 4.5 | 0.2 | | 2.5 | | 3.1 | 10.3 | 0.0 | 16.7 |
| Evaporation | | 2.4 | 1.4 | 2.8 | 2.2 | 4.1 | 2.2 | 4.4 | 1.6 | 2.3 | 0.7 | 24.1 | 24.7 | 18.5 |
| Growing Degrees | 5 | 1.7 | 6.2 | 8.2 | 9.6 | 8.1 | 6.7 | 8.0 | 9.7 | 9.3 | 7.5 | 75.0 | 54.9 | 22.8 |
| | 10 | 0.0 | 1.2 | 3.2 | 4.6 | 3.1 | 1.7 | 3.0 | 4.7 | 4.3 | 2.5 | 28.3 | 9.8 | 2.2 |

| 1st 10-day period (1-10/03/2020) | | Previous Year Value | Past Years Mean Value |
|--|------|---------------------|-----------------------|
| Reference Evapotranspiration | 16.8 | 16.4 | 16.2 |
| Precipitation - Reference Evapotranspiration | -6.5 | -16.4 | 0.5 |
| Number of Rainy Days | 4.0 | 0.0 | 2.2 |
| Number of Dry Days | 4.0 | 15.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

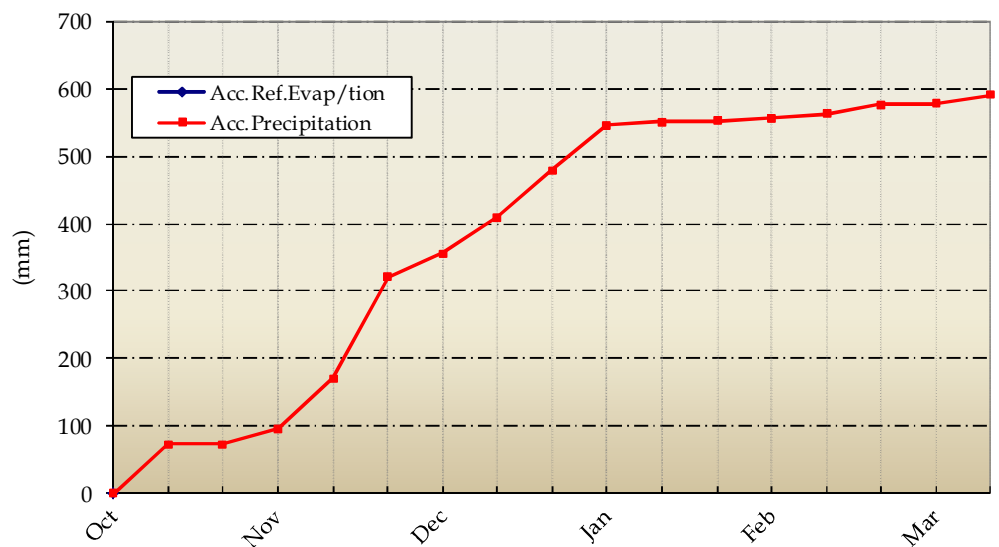


| 1st 10-day period (1-10/03/2020) | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|----------------------------------|--------|------|------|------|------|------|------|------|------|------|------|-------------------|---------------------|-----------------------|
| Temperature | Max | 16.9 | 19.1 | 22.5 | 17.2 | 15.8 | 17.3 | 19.4 | 17.2 | 14.7 | 16.4 | 17.6 | 18.3 | 15.2 |
| | Min | 3.6 | 7.9 | 10.6 | 10.6 | 7.4 | 6.0 | 10.3 | 10.6 | 8.3 | 5.2 | 8.0 | 6.4 | 5.8 |
| Relative Humidity | Max | 86 | 88 | 73 | 97 | 95 | 94 | 94 | 93 | 96 | 93 | 91 | 98 | - |
| | Min | 50 | 62 | 37 | 46 | 51 | 51 | 49 | 69 | 57 | 43 | 52 | 48 | - |
| Soil Temperature at 10 cm | 06 UTC | 10.4 | 12.0 | 12.6 | 13.6 | 13.2 | 12.6 | 13.2 | 14.0 | 13.2 | 11.8 | 12.7 | 11.6 | 10.0 |
| | 12 UTC | 12.0 | 13.0 | 13.8 | 14.4 | 13.8 | 13.8 | 12.8 | 14.2 | 13.0 | 13.0 | 13.4 | 14.1 | 12.2 |
| Sunshine Duration | | 8.6 | 6.2 | 8.9 | 5.3 | 6.5 | 7.8 | 0.9 | 0.0 | 4.4 | 9.5 | 5.8 | 8.3 | 6.1 |
| Precipitation | | | | | 10.9 | | | | 1.5 | 0.8 | | 13.2 | 0.9 | 26.8 |
| Evaporation | | 3.0 | 3.0 | 6.3 | 4.4 | 2.0 | 5.3 | 2.4 | 2.5 | 2.4 | 3.7 | 35.0 | - | 25.2 |
| Growing Degrees | 5 | 5.3 | 8.5 | 11.6 | 8.9 | 6.6 | 6.7 | 9.9 | 8.9 | 6.5 | 5.8 | 78.5 | 73.7 | 55.6 |
| | 10 | 0.3 | 3.5 | 6.6 | 3.9 | 1.6 | 1.7 | 4.9 | 3.9 | 1.5 | 0.8 | 28.5 | 23.7 | 13.0 |

| 1st 10-day period (1-10/03/2020) | | Previous Year Value | Past Years Mean Value |
|--|-----|---------------------|-----------------------|
| Reference Evapotranspiration | - | 18.9 | 18.0 |
| Precipitation - Reference Evapotranspiration | - | -18.0 | 8.8 |
| Number of Rainy Days | 3.0 | 1.0 | 3.2 |
| Number of Dry Days | 4.0 | 5.0 | - |

The missing info in the tables and the graph are due to the absence of data.

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

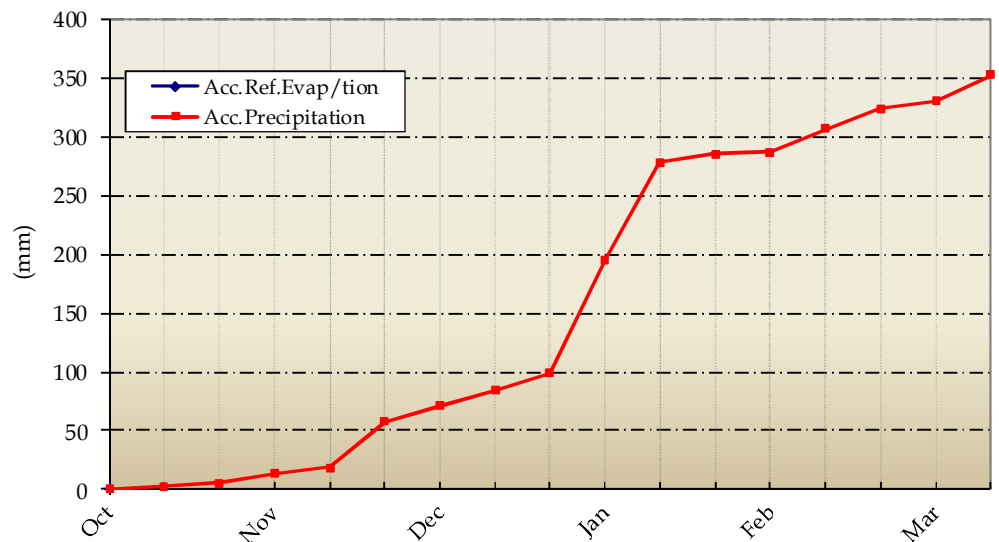


| 1st 10-day period (1-10/03/2020) | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|-------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 16.4 | 19.6 | 20.0 | 18.8 | 16.6 | 17.0 | 21.6 | 20.0 | 16.0 | 17.2 | 18.3 | 17.7 | 15.6 |
| | Min | 9.0 | 7.6 | 13.6 | 14.6 | 11.8 | 8.0 | 10.0 | 17.6 | 15.6 | 8.8 | 11.7 | 9.7 | 8.9 |
| Relative Humidity | Max | 86 | 87 | 74 | 84 | 86 | 89 | 90 | 68 | 95 | 85 | 84 | 85 | - |
| | Min | 55 | 47 | 35 | 52 | 58 | 53 | 40 | 40 | 43 | 53 | 48 | 54 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sunshine Duration | | 10.1 | 9.8 | 10.1 | 4.3 | 4.0 | 9.4 | 8.7 | 0.0 | 0.0 | 8.5 | 6.5 | 9.2 | 5.3 |
| Precipitation | | | | | | 0.4 | | | | 21.5 | | 21.9 | 0.5 | 20.8 |
| Evaporation | | 2.4 | 3.0 | 6.2 | 2.6 | 1.4 | 1.0 | 9.3 | 2.7 | 1.6 | 2.3 | 32.5 | 18.5 | 33.2 |
| Growing Degrees | 5 | 7.7 | 8.6 | 11.8 | 11.7 | 9.2 | 7.5 | 10.8 | 13.8 | 10.8 | 8.0 | 99.9 | 86.7 | 72.7 |
| | 10 | 2.7 | 3.6 | 6.8 | 6.7 | 4.2 | 2.5 | 5.8 | 8.8 | 5.8 | 3.0 | 49.9 | 36.7 | 25.3 |

| 1st 10-day period (1-10/03/2020) | | Previous Year Value | Past Years Mean Value |
|--|-----|------------------------|--------------------------|
| Reference Evapotranspiration | - | 25.9 | - |
| Precipitation - Reference Evapotranspiration | - | -25.4 | 20.8 |
| Number of Rainy Days | 2.0 | 1.0 | 3.3 |
| Number of Dry Days | 4.0 | 3.0 | - |

The missing info in the tables and the graph are due to the absence of data.

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

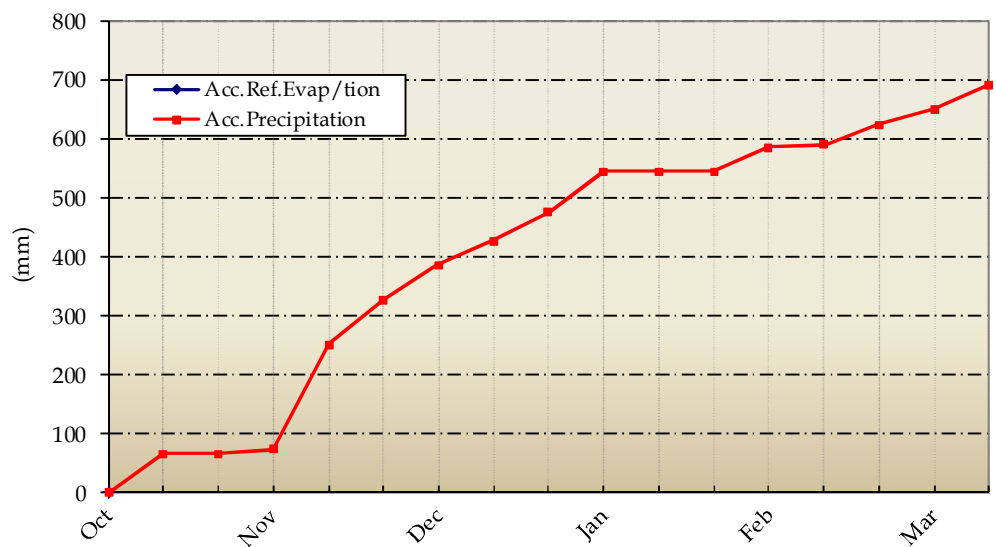


| 1st 10-day period (1-10/03/2020) | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|-------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 13.2 | 16.8 | 17.8 | 13.4 | 13.0 | 11.8 | 13.4 | 14.0 | 11.2 | 14.9 | 14.0 | 17.0 | 12.2 |
| | Min | -3.6 | 8.5 | 10.8 | 6.2 | 0.4 | -0.4 | 9.2 | 9.0 | 5.4 | -0.6 | 4.5 | 0.4 | 1.7 |
| Relative Humidity | Max | 92 | 84 | 72 | 100 | 100 | 97 | 90 | 100 | 100 | 100 | 94 | 96 | - |
| | Min | 46 | 68 | 48 | 66 | 55 | 56 | 68 | 62 | 61 | 54 | 58 | 31 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 5.3 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 7.3 |
| Sunshine Duration | | 8.8 | 3.6 | 4.7 | 2.5 | 6.1 | 0.6 | 1.9 | 6.2 | 3.7 | 5.0 | 4.3 | 7.6 | 4.6 |
| Precipitation | | | | | 27.6 | | 0.0 | 5.8 | 7.0 | 1.5 | | 41.9 | | 27.3 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | 14.8 |
| Growing Degrees | 5 | 0.0 | 7.7 | 9.3 | 4.8 | 1.7 | 0.7 | 6.3 | 6.5 | 3.3 | 2.2 | 42.4 | 37.0 | 25.1 |
| | 10 | 0.0 | 2.7 | 4.3 | 0.0 | 0.0 | 0.0 | 1.3 | 1.5 | 0.0 | 0.0 | 9.8 | 1.6 | 2.0 |

| 1st 10-day period (1-10/03/2020) | | Previous Year Value | Past Years Mean Value |
|--|-----|------------------------|--------------------------|
| Reference Evapotranspiration | - | - | 15.2 |
| Precipitation - Reference Evapotranspiration | - | - | 12.1 |
| Number of Rainy Days | 4.0 | 0.0 | 3.5 |
| Number of Dry Days | 4.0 | 37.0 | - |

The missing info in the tables and the graph are due to the absence of data.

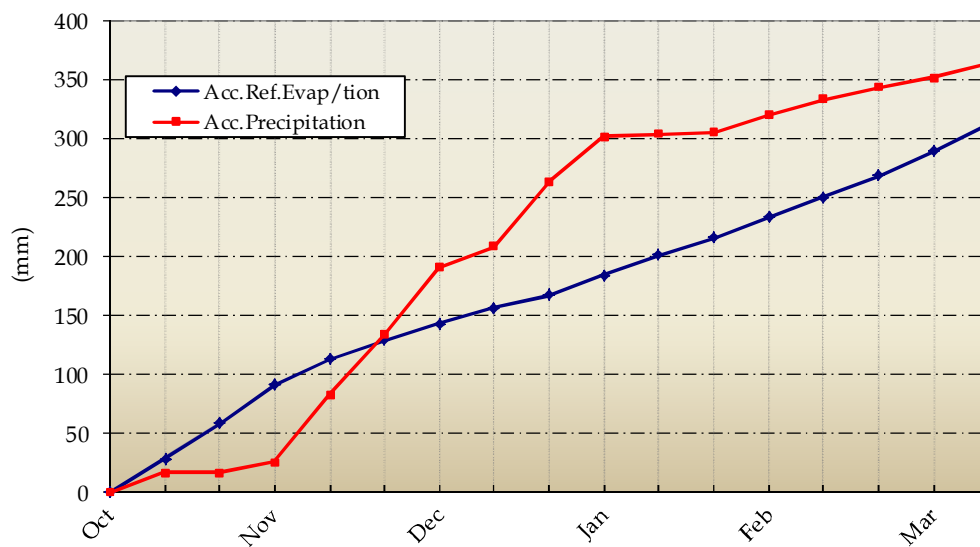
Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



| 1st 10-day period (1-10/03/2020) | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|-------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 17.1 | 18.1 | 19.7 | 17.8 | 16.6 | 17.2 | 17.6 | 17.2 | 16.2 | 15.9 | 17.3 | 19.0 | 16.0 |
| | Min | 2.1 | 3.3 | 4.9 | 11.6 | 6.0 | 4.5 | 5.8 | 13.1 | 8.4 | 3.2 | 6.3 | 4.0 | 5.6 |
| Relative Humidity | Max | 88 | 95 | 99 | 89 | 88 | 91 | 96 | 94 | 99 | 94 | 93 | 92 | - |
| | Min | 34 | 57 | 54 | 35 | 41 | 44 | 67 | 67 | 54 | 50 | 50 | 43 | - |
| Soil Temperature at 10 cm | 06 UTC | 10.4 | 11.0 | 11.8 | 13.4 | 12.5 | 11.4 | 12.0 | 13.5 | 13.0 | 11.4 | 12.0 | 10.9 | 10.3 |
| | 12 UTC | 12.0 | 12.5 | 13.0 | 14.0 | 13.2 | 13.2 | 13.0 | 14.0 | 13.2 | 12.5 | 13.1 | 12.1 | 12.1 |
| Sunshine Duration | | 11.0 | 8.8 | 9.0 | 5.4 | 5.2 | 9.4 | 1.0 | 0.0 | 5.9 | 4.0 | 6.0 | 8.0 | 5.8 |
| Precipitation | | | | | 2.0 | | | | | 10.1 | | 12.1 | 5.2 | 26.1 |
| Evaporation | | 1.2 | 4.2 | 2.5 | 3.7 | 4.4 | 2.4 | 0.2 | 0.6 | 3.3 | 2.0 | 24.5 | 28.4 | 29.9 |
| Growing Degrees | 5 | 4.6 | 5.7 | 7.3 | 9.7 | 6.3 | 5.9 | 6.7 | 10.2 | 7.3 | 4.6 | 68.2 | 65.1 | 58.2 |
| | 10 | 0.0 | 0.7 | 2.3 | 4.7 | 1.3 | 0.9 | 1.7 | 5.2 | 2.3 | 0.0 | 19.0 | 17.0 | 14.6 |

| 1st 10-day period (1-10/03/2020) | | Previous Year Value | Past Years Mean Value |
|--|-------|------------------------|--------------------------|
| Reference Evapotranspiration | 22.4 | 24.5 | 18.8 |
| Precipitation - Reference Evapotranspiration | -10.3 | -19.3 | 7.3 |
| Number of Rainy Days | 2.0 | 2.0 | 3.2 |
| Number of Dry Days | 3.0 | 2.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



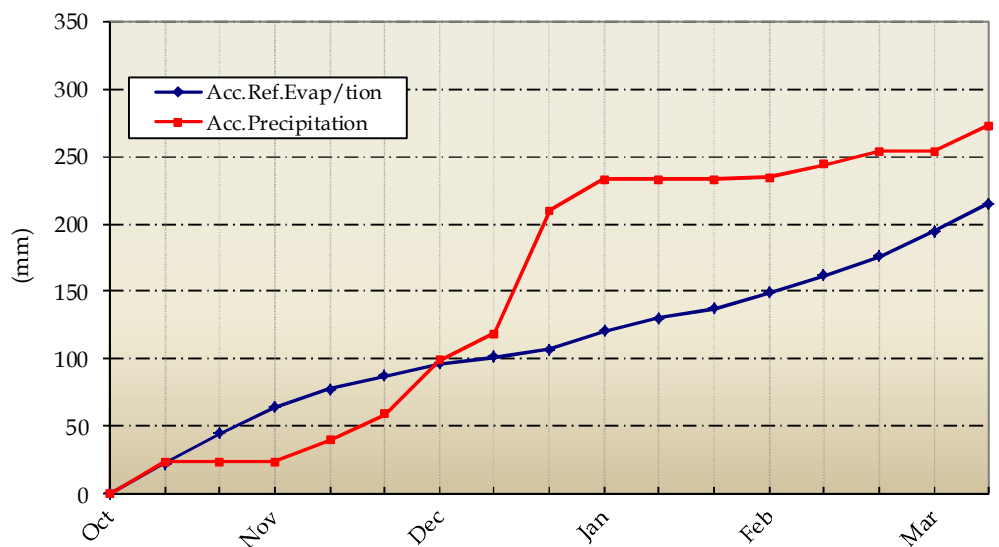
Larisa

| 1st 10-day period (1-10/03/2020) | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|----------------------------------|--------|------|------|------|------|------|------|------|------|------|------|-------------------|---------------------|-----------------------|
| Temperature | Max | 16.4 | 22.2 | 23.0 | 17.8 | 17.6 | 17.0 | 20.6 | 17.0 | 11.8 | 16.4 | 18.0 | 20.7 | 13.6 |
| | Min | -2.6 | 1.2 | 4.8 | 13.2 | 0.8 | -1.6 | 4.6 | 7.4 | 9.0 | 2.8 | 4.0 | 2.4 | 2.4 |
| Relative Humidity | Max | 89 | 92 | 89 | 83 | 92 | 91 | 92 | 99 | 99 | 97 | 92 | 90 | - |
| | Min | 33 | 35 | 39 | 37 | 33 | 39 | 43 | 67 | 72 | 48 | 45 | 29 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 7.8 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 8.9 |
| Sunshine Duration | | 9.8 | 8.1 | 7.8 | 4.7 | 8.8 | 4.8 | 8.4 | 0.1 | 0.0 | 8.0 | 6.0 | 8.2 | 4.9 |
| Precipitation | | | | | 0.7 | | | | 5.1 | 13.4 | | 19.2 | | 10.9 |
| Evaporation | | 0.0 | 5.5 | 4.8 | 3.5 | 2.5 | 2.7 | 4.7 | 5.1 | 0.6 | 3.9 | 33.3 | 44.9 | 18.9 |
| Growing Degrees | 5 | 1.9 | 6.7 | 8.9 | 10.5 | 4.2 | 2.7 | 7.6 | 7.2 | 5.4 | 4.6 | 59.7 | 65.5 | 34.4 |
| | 10 | 0.0 | 1.7 | 3.9 | 5.5 | 0.0 | 0.0 | 2.6 | 2.2 | 0.4 | 0.0 | 16.3 | 18.5 | 4.1 |

| 1st 10-day period (1-10/03/2020) | | Previous Year Value | Past Years Mean Value |
|--|------|---------------------|-----------------------|
| Reference Evapotranspiration | 20.8 | 25.3 | 17.1 |
| Precipitation - Reference Evapotranspiration | -1.6 | -25.3 | -6.2 |
| Number of Rainy Days | 3.0 | 0.0 | 3.2 |
| Number of Dry Days | 12.0 | 15.0 | - |

The missing info in the tables are due to the absence of data.

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



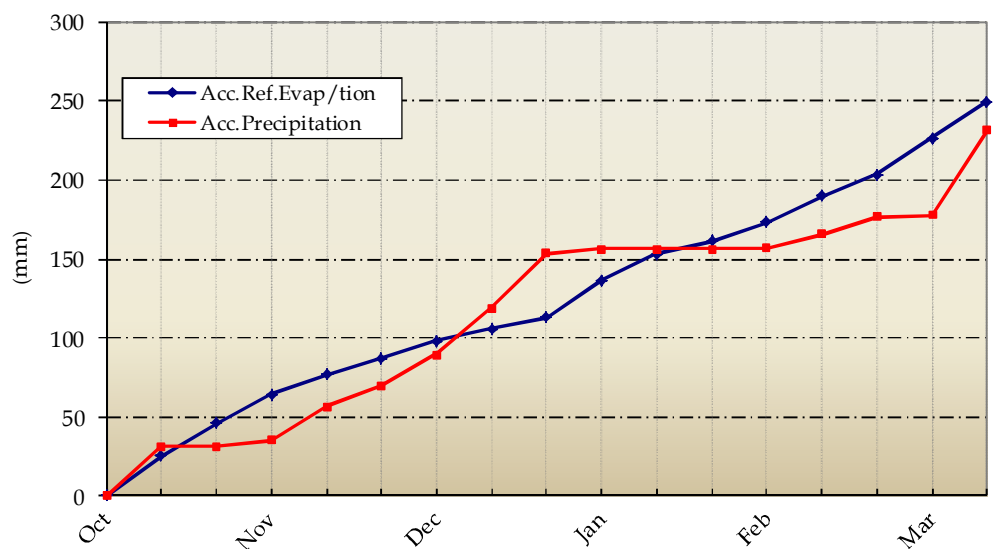
Mikra

| 1st 10-day period (1-10/03/2020) | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|-------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 15.7 | 20.1 | 23.0 | 17.2 | 15.0 | 15.4 | 19.4 | 16.4 | 12.0 | 13.4 | 16.8 | 17.6 | 12.6 |
| | Min | 3.3 | 3.0 | 6.8 | 13.0 | 9.8 | 2.3 | 8.4 | 8.5 | 9.0 | 8.4 | 7.2 | 5.9 | 3.4 |
| Relative Humidity | Max | 80 | 91 | 93 | 91 | 68 | 86 | 92 | 99 | 95 | 85 | 88 | 90 | - |
| | Min | 41 | 44 | 33 | 61 | 43 | 49 | 41 | 81 | 80 | 55 | 53 | 45 | - |
| Soil Temperature at 10 cm | 06 UTC | 11.0 | 9.0 | 10.6 | 12.8 | 11.0 | 9.6 | 10.8 | 12.0 | 10.6 | 10.4 | 10.8 | 9.3 | 7.2 |
| | 12 UTC | 10.0 | 11.0 | 12.8 | 13.0 | 12.0 | 11.2 | 13.0 | 12.6 | 12.0 | 10.8 | 11.8 | 12.3 | 9.8 |
| Sunshine Duration | | 11.4 | 8.1 | 7.0 | 2.7 | 9.7 | 3.1 | 7.3 | 0.4 | 0.0 | 5.1 | 5.5 | 7.8 | 4.9 |
| Precipitation | | | | | 14.0 | | | | 8.2 | 28.5 | 2.5 | 53.2 | | 13.0 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | 23.7 | 22.1 |
| Growing Degrees | 5 | 4.5 | 6.6 | 9.9 | 10.1 | 7.4 | 3.9 | 8.9 | 7.5 | 5.5 | 5.9 | 70.1 | 67.4 | 33.9 |
| | 10 | 0.0 | 1.6 | 4.9 | 5.1 | 2.4 | 0.0 | 3.9 | 2.5 | 0.5 | 0.9 | 21.7 | 19.0 | 4.3 |

| 1st 10-day period (1-10/03/2020) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 22.7 | 21.2 | 17.6 |
| Precipitation - Reference Evapotranspiration | 30.5 | -21.2 | -4.6 |
| Number of Rainy Days | 4.0 | 0.0 | 3.2 |
| Number of Dry Days | 4.0 | 15.0 | - |

The missing info in the tables are due to the absence of data.

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



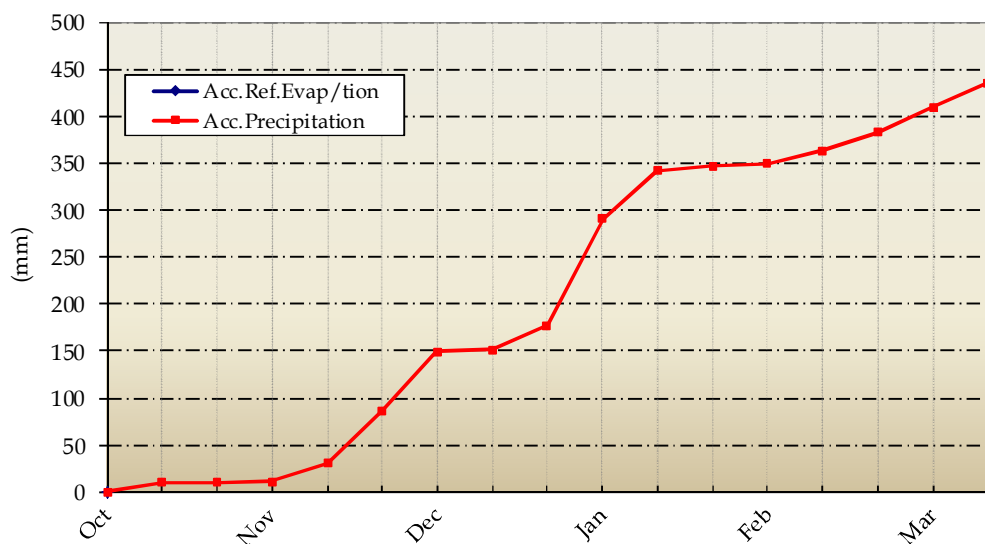
Tanagra

| 1st 10-day period (1-10/03/2020) | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|-------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 17.0 | 20.1 | 21.0 | 18.6 | 16.4 | 18.1 | 18.2 | 20.3 | 10.0 | 16.8 | 17.6 | 19.0 | 13.1 |
| | Min | -1.0 | 3.2 | 6.8 | 10.6 | 3.5 | 2.1 | 6.3 | 14.8 | 9.2 | 5.6 | 6.1 | 5.6 | 3.8 |
| Relative Humidity | Max | 83 | 99 | 98 | 95 | 98 | 99 | 84 | 93 | 100 | 99 | 95 | 93 | - |
| | Min | 24 | 35 | 39 | 49 | 40 | 26 | 45 | 52 | 73 | 36 | 42 | 35 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sunshine Duration | | 9.0 | 2.4 | 8.8 | 2.8 | 6.5 | 8.5 | 6.3 | 5.1 | 0.0 | 7.7 | 5.7 | 8.4 | |
| Precipitation | | | | | 3.5 | | | | | 21.7 | 0.2 | 25.4 | 0.7 | 19.5 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Growing Degrees | 5 | 3.0 | 6.7 | 8.9 | 9.6 | 5.0 | 5.1 | 7.3 | 12.6 | 4.6 | 6.2 | 68.8 | 73.2 | |
| | 10 | 0.0 | 1.7 | 3.9 | 4.6 | 0.0 | 0.1 | 2.3 | 7.6 | 0.0 | 1.2 | 21.3 | 25.2 | |

| 1st 10-day period (1-10/03/2020) | | Previous Year Value | Past Years Mean Value |
|--|-----|------------------------|--------------------------|
| Reference Evapotranspiration | - | 20.8 | |
| Precipitation - Reference Evapotranspiration | - | -20.1 | 19.5 |
| Number of Rainy Days | 3.0 | 1.0 | 4.7 |
| Number of Dry Days | 9.0 | 2.0 | - |

The missing info in the tables and the graph are due to the absence of data.

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



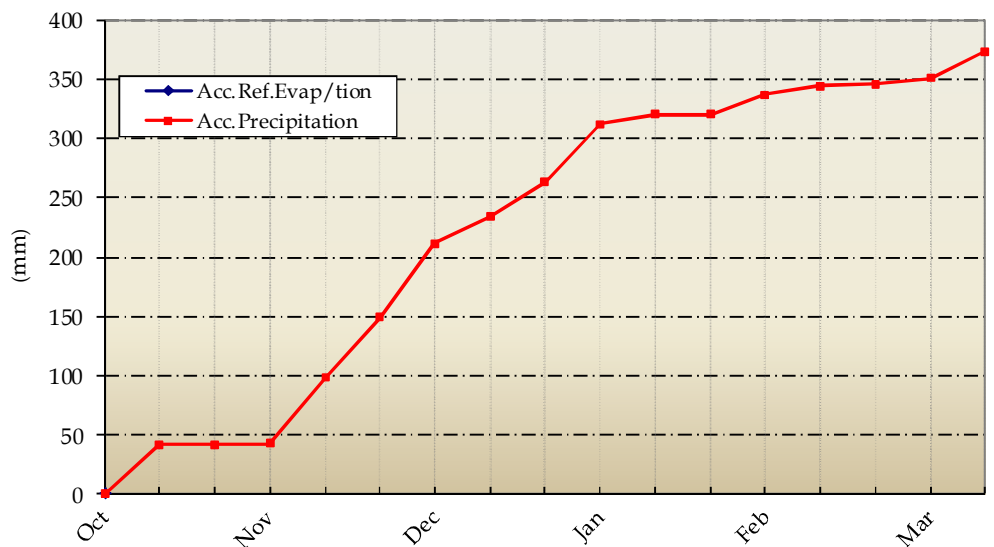
Tripoli

| 1st 10-day period (1-10/03/2020) | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|----------------------------------|--------|------|------|------|------|------|------|------|------|------|------|-------------------|---------------------|-----------------------|
| Temperature | Max | 15.2 | 17.4 | 17.5 | 12.9 | 12.5 | 21.4 | 16.7 | 14.9 | 11.0 | 12.5 | 15.2 | 17.4 | 11.8 |
| | Min | -3.7 | 2.0 | 7.4 | 8.6 | 2.0 | -2.3 | 2.5 | 10.3 | 4.4 | 1.3 | 3.2 | 1.0 | 1.3 |
| Relative Humidity | Max | 91 | 92 | 75 | 93 | 93 | 96 | 97 | 97 | 99 | 92 | 92 | 89 | - |
| | Min | 29 | 41 | 43 | 37 | 47 | 40 | 49 | 67 | 56 | 39 | 45 | 30 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | 5.8 | 6.2 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | 11.6 | 7.4 |
| Sunshine Duration | | 9.9 | 8.1 | 9.5 | 3.7 | 0.0 | 8.8 | 3.8 | 0.2 | 1.6 | 8.2 | 5.4 | 8.4 | 5.4 |
| Precipitation | | | 0.0 | | 4.2 | 0.0 | | 0.1 | 0.5 | 17.8 | 0.0 | 22.6 | 0.4 | 26.7 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | 15.8 |
| Growing Degrees | 5 | 0.8 | 4.7 | 7.5 | 5.8 | 2.3 | 4.6 | 4.6 | 7.6 | 2.7 | 1.9 | 42.3 | 41.8 | 22.7 |
| | 10 | 0.0 | 0.0 | 2.5 | 0.8 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | 5.8 | 2.5 | 1.9 |

| 1st 10-day period (1-10/03/2020) | | Previous Year Value | Past Years Mean Value |
|--|------|---------------------|-----------------------|
| Reference Evapotranspiration | 19.2 | 20.5 | 17.7 |
| Precipitation - Reference Evapotranspiration | 3.4 | -20.1 | 9.0 |
| Number of Rainy Days | 4.0 | 1.0 | 3.4 |
| Number of Dry Days | 3.0 | 6.0 | - |

The missing info in the tables and the graph are due to the absence of data.

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration





◆ **List of Symbols and Abbreviations**

Reference Evapotranspiration ETo (mm):

Calculated by the FAO Penman-Montieth equation

$$ET_0 = \frac{0.408 * \Delta * (R_n - G) + \gamma * \frac{900}{T + 273} * u_2 * (e_s - e_a)}{\Delta + \gamma * (1 + 0.34 * u_2)}$$

using 10-day step.

R_n is estimated from sunshine measurements and G assumed to be zero.

Growing Degrees: Degrees with mean temperature exceeding the base of 5 or 10 °C.

Number of Rainy Days: Number of days with precipitation of at least 0.1 mm.

Number of Dry Days: Number of dry days recorded since the last rainy day.

Measurements Units

- ◆ Temperature : °C
- ◆ Relative Humidity : %
- ◆ Soil Temperature : °C
- ◆ Sunshine Duration : Hours
- ◆ Precipitation : mm
- ◆ Evaporation (Pan) : mm
- ◆ Growing Degrees : °C

UTC (Universal Time coordinates) in Greece

- ◆ Winter : Time(UTC) = Local time - 2
- ◆ Summer : Time(UTC) = Local time - 3

© HELLENIC NATIONAL METEOROLOGICAL SERVICE

Reproduction is prohibited without written permission

El. Venizelou street 14, Zip Code 16777

Helliniko, Athens



ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ

HELLENIC NATIONAL METEOROLOGICAL SERVICE

Division of Climatology-Applications

Issue Editors :

Papakrivou Anastasia

The present bulletin was designed and implemented under the support of Water Resources Management Division of Agriculture University of Athens