



AGROMETEOROLOGICAL BULLETIN

November 2021
3rd 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



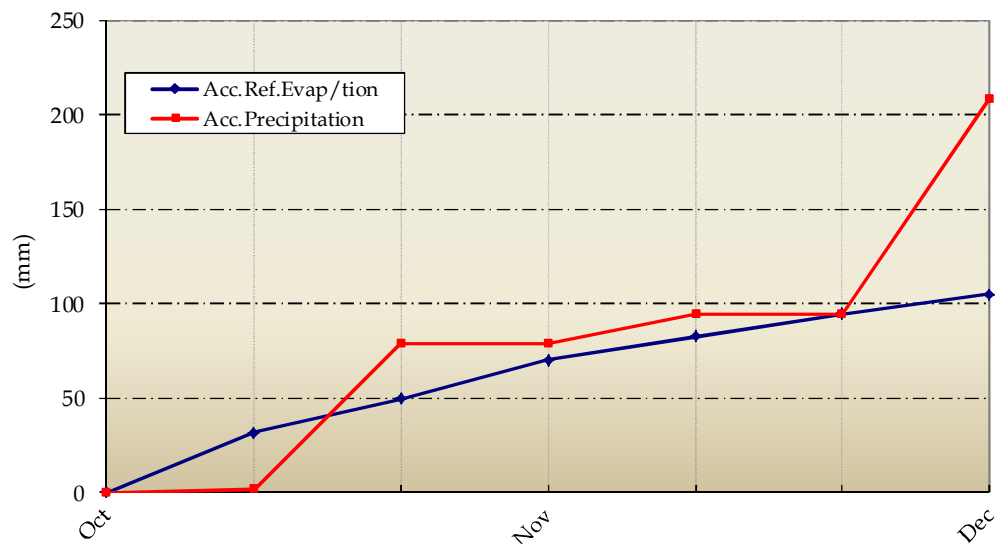
Hellenic National Meteorological Service
Division of Climatology-Applications
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www.hnms.gr
www.emy.gov.gr
www.meteo.gov.gr
www.meteohellas.gr

| 3rd 10-day period (21-30/11/2021) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 17.4 | 17.4 | 16.0 | 13.4 | 13.2 | 11.4 | 18.0 | 18.0 | 19.8 | 16.2 | 16.1 | 14.7 | 13.3 |
| | Min | 2.0 | 2.0 | 13.0 | 8.4 | 4.4 | 6.0 | 9.0 | 12.8 | 13.8 | 6.6 | 7.8 | 3.2 | 5.5 |
| Relative Humidity | Max | 96 | 96 | 96 | 87 | 80 | 97 | 95 | 95 | 81 | 95 | 92 | 80 | 90 |
| | Min | 41 | 69 | 70 | 55 | 45 | 79 | 73 | 73 | 69 | 52 | 63 | 45 | 64 |
| Soil Temperature at 10 cm | 06 UTC | 8.6 | 9.6 | 13.6 | 14.0 | 9.0 | 10.0 | 10.6 | 12.6 | 14.6 | 13.8 | 11.6 | 9.4 | 9.9 |
| | 12 UTC | 11.0 | 12.0 | 14.2 | 11.6 | 11.4 | 10.4 | 12.6 | 14.0 | 15.0 | 12.0 | 12.4 | 11.2 | 11.3 |
| Sunshine Duration | | 7.8 | 2.6 | 0.0 | 4.4 | 7.3 | 0.0 | 2.4 | 4.5 | 0.0 | 5.6 | 3.5 | 6.2 | 3.6 |
| Precipitation | | | | 27.6 | 2.7 | | 52.9 | | 12.0 | 1.0 | 18.3 | 114.5 | 0.2 | 26.5 |
| Evaporation | | 1.3 | 3.1 | 0.5 | 5.9 | 1.0 | 0.5 | 0.5 | 2.9 | 3.3 | 3.5 | 22.5 | 16.4 | 16.2 |
| Growing Degrees | 5 | 4.7 | 4.7 | 9.5 | 5.9 | 3.8 | 3.7 | 8.5 | 10.4 | 11.8 | 6.4 | 69.4 | 39.5 | 41.0 |
| | 10 | 0.0 | 0.0 | 4.5 | 0.9 | 0.0 | 0.0 | 3.5 | 5.4 | 6.8 | 1.4 | 22.5 | 3.3 | 10.4 |

| 3rd 10-day period (21-30/11/2021) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|-------|------------------------|--------------------------|
| Reference Evapotranspiration | 10.6 | 13.0 | 9.3 |
| Precipitation - Reference Evapotranspiration | 103.9 | -12.8 | 17.2 |
| Number of Rainy Days | 6.0 | 1.0 | 2.5 |
| Number of Dry Days | 20.0 | 11.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

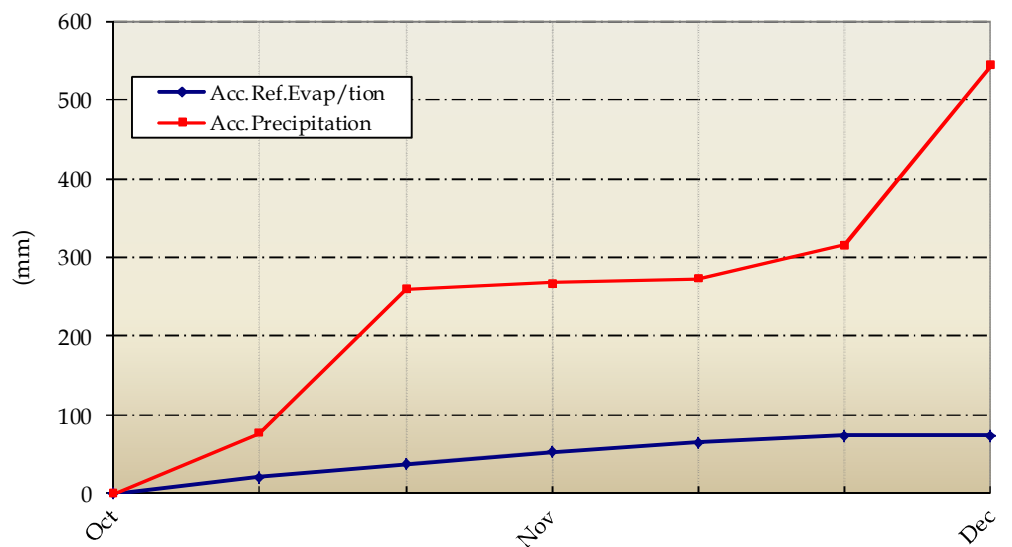


| 3rd 10-day period (21-30/11/2021) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|-------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 20.6 | 16.7 | 19.8 | 20.8 | 18.2 | 18.5 | 18.0 | 17.9 | 21.0 | 16.7 | 18.8 | 19.0 | 17.8 |
| | Min | 7.8 | 11.6 | 13.5 | 10.0 | 11.2 | 11.8 | 12.9 | 11.6 | 15.0 | 11.0 | 11.6 | 5.9 | 8.9 |
| Relative Humidity | Max | 97 | 99 | 99 | 99 | 96 | 99 | 99 | 97 | 81 | 87 | 95 | 91 | 92 |
| | Min | 43 | 83 | 68 | 50 | 61 | 68 | 79 | 68 | 52 | 46 | 62 | 43 | 55 |
| Soil Temperature at 10 cm | 06 UTC | 14.0 | 15.2 | 15.2 | 15.0 | 15.8 | 14.4 | 15.4 | 15.6 | 15.4 | 15.0 | 15.1 | 12.7 | 12.6 |
| | 12 UTC | 17.4 | 15.4 | 15.2 | 16.2 | 16.2 | 16.0 | 17.4 | 16.2 | 16.4 | 16.6 | 16.3 | 14.4 | 14.7 |
| Sunshine Duration | | 7.1 | 0.1 | 3.2 | 3.9 | 4.5 | 1.8 | 0.0 | 0.3 | 3.9 | 3.5 | 2.8 | 4.5 | 4.7 |
| Precipitation | | | 30.6 | 35.8 | 7.2 | | 104.9 | 30.4 | 14.7 | 0.2 | 4.7 | 228.5 | 5.9 | 44.3 |
| Evaporation | | 1.1 | 0.1 | 0.2 | 0.3 | 0.6 | 0.1 | 0.2 | 0.2 | 0.9 | 0.2 | 3.9 | - | 41.5 |
| Growing Degrees | 5 | 9.2 | 9.2 | 11.7 | 10.4 | 9.7 | 10.2 | 10.5 | 9.8 | 13.0 | 8.9 | 102.3 | 74.3 | 71.6 |
| | 10 | 4.2 | 4.2 | 6.7 | 5.4 | 4.7 | 5.2 | 5.5 | 4.8 | 8.0 | 3.9 | 52.3 | 25.0 | 30.1 |

| 3rd 10-day period (21-30/11/2021) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|-------|------------------------|--------------------------|
| Reference Evapotranspiration | 7.6 | - | 10.4 |
| Precipitation - Reference Evapotranspiration | 220.9 | - | 33.9 |
| Number of Rainy Days | 8.0 | 1.0 | 3.4 |
| Number of Dry Days | 2.0 | 31.0 | - |

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



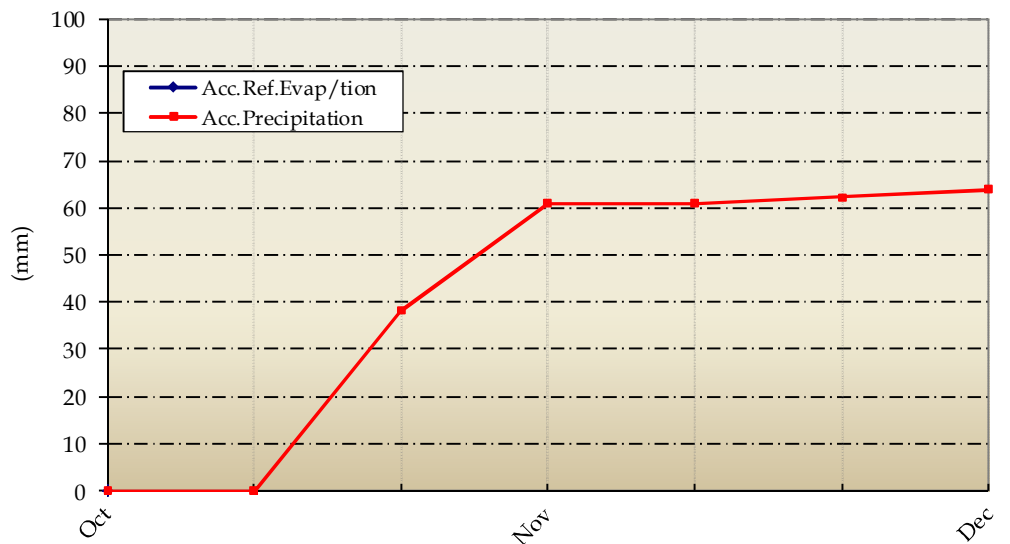
Iraklio

| 3rd 10-day period (21-30/11/2021) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 18.4 | 21.6 | 25.2 | 20.0 | 16.8 | 22.8 | 23.8 | 22.0 | 26.6 | 20.4 | 21.8 | 17.7 | 19.2 |
| | Min | 15.6 | 11.4 | 16.4 | 17.4 | 15.4 | 12.0 | 16.0 | 16.8 | 20.4 | 16.8 | 15.8 | 13.8 | 12.9 |
| Relative Humidity | Max | 88 | 90 | 80 | 92 | 85 | 86 | 86 | 90 | 64 | 68 | 83 | 87 | 85 |
| | Min | 57 | 48 | 44 | 70 | 68 | 60 | 43 | 39 | 35 | 44 | 51 | 68 | 59 |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sunshine Duration | | 7.2 | 7.9 | 4.1 | 2.7 | 1.9 | 1.6 | 6.3 | 6.1 | 0.0 | 5.8 | 4.4 | 2.9 | 4.4 |
| Precipitation | | 0.0 | | | 0.1 | 0.2 | 0.2 | | | | 1.1 | 1.6 | 8.0 | 23.2 |
| Evaporation | | 2.2 | 4.1 | 2.1 | 3.9 | 2.0 | 1.4 | 3.5 | 2.8 | 5.5 | 4.3 | 31.8 | 23.4 | 26.6 |
| Growing Degrees | 5 | 12.0 | 11.5 | 15.8 | 13.7 | 11.1 | 12.4 | 14.9 | 14.4 | 18.5 | 13.6 | 137.9 | 107.4 | 105.2 |
| | 10 | 7.0 | 6.5 | 10.8 | 8.7 | 6.1 | 7.4 | 9.9 | 9.4 | 13.5 | 8.6 | 87.9 | 57.4 | 57.7 |

| 3rd 10-day period (21-30/11/2021) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|-----|------------------------|--------------------------|
| Reference Evapotranspiration | - | - | |
| Precipitation - Reference Evapotranspiration | - | - | |
| Number of Rainy Days | 4.0 | 6.0 | 3.3 |
| Number of Dry Days | 6.0 | 0.0 | - |

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



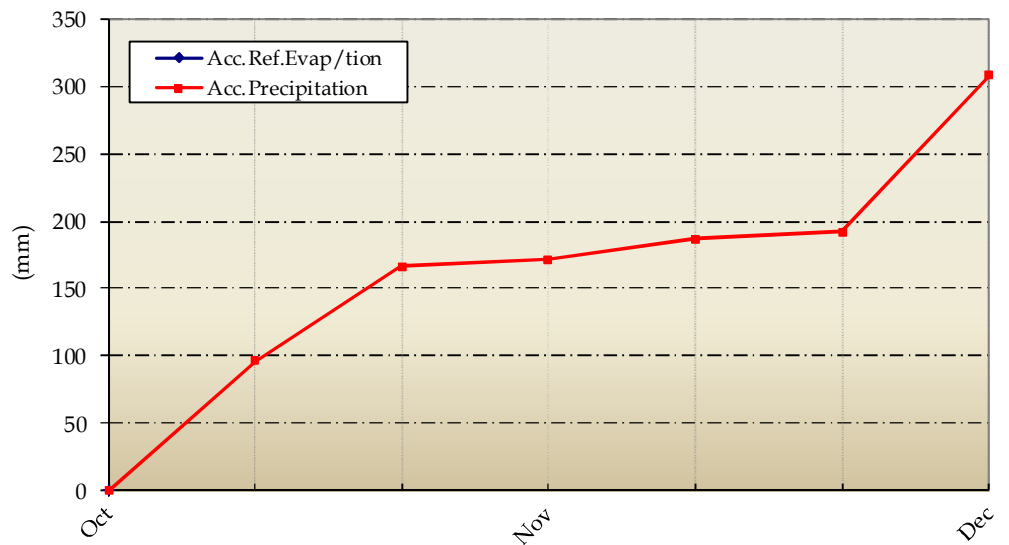
Ioannina

| 3rd 10-day period (21-30/11/2021) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 18.7 | 13.4 | 13.1 | 17.2 | 15.4 | 14.4 | 13.0 | 13.7 | 11.2 | 7.2 | 13.7 | 15.0 | 12.6 |
| | Min | 0.7 | 4.5 | 8.2 | 5.9 | 3.4 | 6.5 | 9.1 | 8.0 | 8.2 | 4.5 | 5.9 | -0.8 | 3.2 |
| Relative Humidity | Max | 100 | 100 | 100 | 100 | 99 | 98 | 98 | 100 | 94 | 93 | 98 | 97 | 98 |
| | Min | 45 | 81 | 87 | 50 | 51 | 71 | 78 | 72 | 78 | 67 | 68 | 49 | 67 |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 7.5 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 7.9 |
| Sunshine Duration | | 6.1 | 0.0 | 0.2 | 4.9 | 1.2 | 0.6 | 0.0 | 0.0 | 0.4 | 1.6 | 1.5 | 5.0 | 2.7 |
| Precipitation | | | 5.7 | 13.6 | | | 6.2 | 10.2 | 28.6 | 37.4 | 14.6 | 116.3 | 2.8 | 46.3 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | |
| Growing Degrees | 5 | 4.7 | 4.0 | 5.7 | 6.6 | 4.4 | 5.5 | 6.1 | 5.9 | 4.7 | 0.9 | 48.2 | 21.9 | 27.4 |
| | 10 | 0.0 | 0.0 | 0.7 | 1.6 | 0.0 | 0.5 | 1.1 | 0.9 | 0.0 | 0.0 | 4.6 | 0.0 | 3.7 |

| 3rd 10-day period (21-30/11/2021) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|-----|------------------------|--------------------------|
| Reference Evapotranspiration | - | - | 3.9 |
| Precipitation - Reference Evapotranspiration | - | - | 42.4 |
| Number of Rainy Days | 7.0 | 4.0 | 3.4 |
| Number of Dry Days | 2.0 | 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

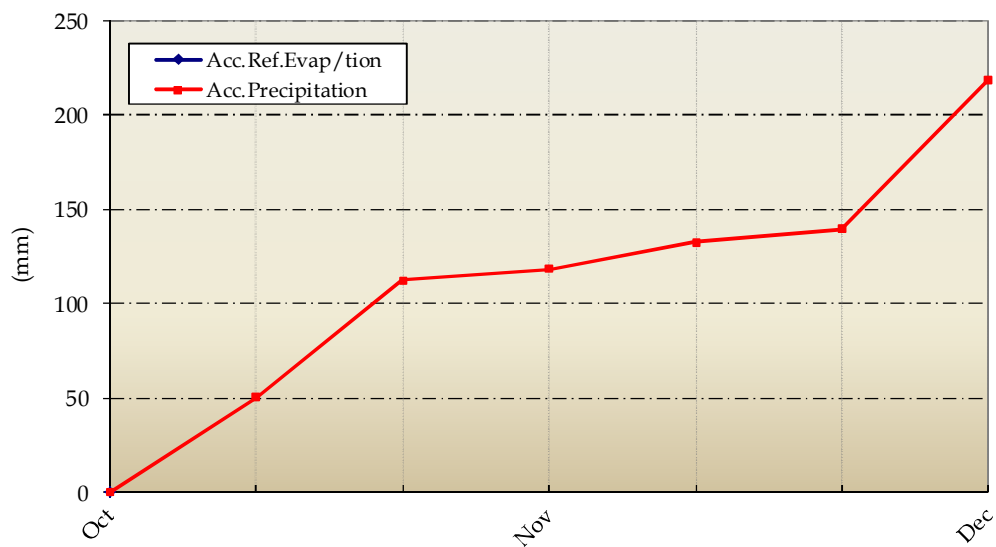


| 3rd 10-day period (21-30/11/2021) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 20.3 | 18.2 | 18.4 | 20.0 | 19.4 | 20.9 | 20.6 | 20.4 | 18.5 | 16.8 | 19.4 | 19.6 | 18.6 |
| | Min | 6.6 | 9.2 | 14.9 | 8.4 | 10.6 | 11.2 | 10.4 | 8.8 | 16.7 | 7.7 | 10.4 | 8.2 | 8.5 |
| Relative Humidity | Max | 92 | 98 | 98 | 98 | 83 | 99 | 97 | 98 | 92 | 91 | 95 | 82 | 92 |
| | Min | 53 | 75 | 71 | 57 | 52 | 65 | 77 | 67 | 59 | 53 | 63 | 41 | 54 |
| Soil Temperature at 10 cm | 06 UTC | 14.4 | 14.6 | 16.0 | 14.4 | 14.8 | 14.6 | - | 14.8 | 16.8 | 15.0 | 15.0 | 13.0 | 13.7 |
| | 12 UTC | 15.6 | 14.6 | 14.6 | 14.8 | 15.4 | 15.0 | - | 15.8 | 16.2 | 15.3 | 15.3 | 15.3 | 14.8 |
| Sunshine Duration | | 8.1 | 0.0 | 0.0 | 5.4 | 7.8 | 2.4 | 0.4 | 4.8 | 1.3 | 5.9 | 3.6 | 6.4 | 5.0 |
| Precipitation | | | 4.3 | 45.3 | | | 17.9 | 2.4 | 2.1 | 1.0 | 6.3 | 79.3 | 5.9 | 42.6 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | 22.0 | 20.5 |
| Growing Degrees | 5 | 8.5 | 8.7 | 11.7 | 9.2 | 10.0 | 11.1 | 10.5 | 9.6 | 12.6 | 7.3 | 99.0 | 88.9 | 78.4 |
| | 10 | 3.5 | 3.7 | 6.7 | 4.2 | 5.0 | 6.1 | 5.5 | 4.6 | 7.6 | 2.3 | 49.0 | 38.9 | 34.4 |

| 3rd 10-day period (21-30/11/2021) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|-----|------------------------|--------------------------|
| Reference Evapotranspiration | - | - | 11.6 |
| Precipitation - Reference Evapotranspiration | - | - | 31.0 |
| Number of Rainy Days | 7.0 | 2.0 | 3.8 |
| Number of Dry Days | 2.0 | 10.0 | - |

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



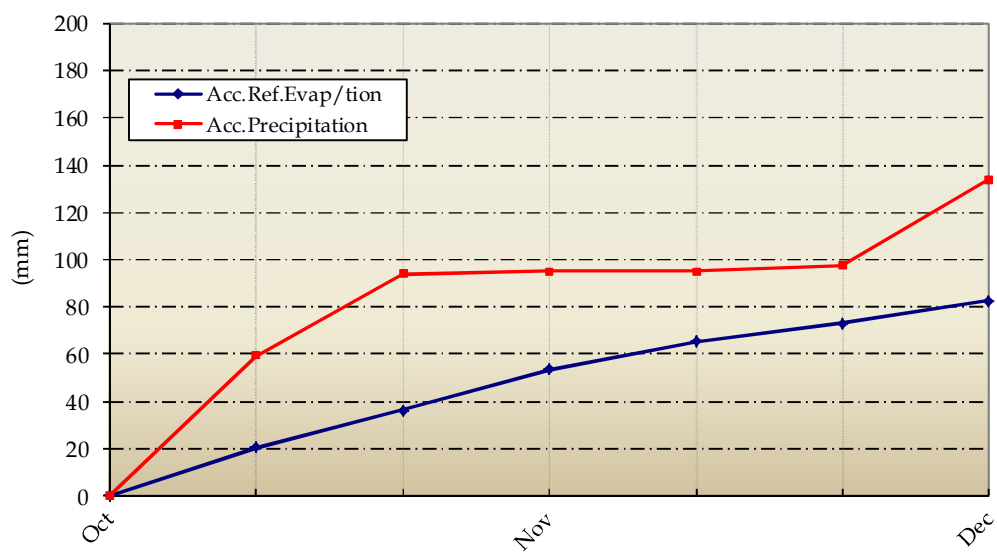
Larisa

| 3rd 10-day period (21-30/11/2021) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 17.0 | 14.6 | 22.0 | 13.4 | 12.8 | 13.6 | 17.6 | 19.6 | 17.4 | 14.6 | 16.3 | 13.7 | 14.0 |
| | Min | 1.8 | 3.0 | 10.6 | 11.4 | 9.2 | 7.8 | 3.8 | 4.8 | 10.4 | 7.0 | 7.0 | 3.1 | 4.8 |
| Relative Humidity | Max | 100 | 85 | 100 | 91 | 94 | 100 | 100 | 100 | 99 | 87 | 96 | 93 | 97 |
| | Min | 52 | 60 | 83 | 72 | 65 | 80 | 66 | 50 | 55 | 45 | 63 | 54 | 61 |
| Soil Temperature at 10 cm | 06 UTC | 10.2 | 10.2 | 19.0 | 12.0 | 12.2 | 11.0 | 10.0 | 11.2 | 11.6 | 11.4 | 11.9 | - | 10.6 |
| | 12 UTC | 12.6 | 12.6 | 13.2 | 13.0 | 13.0 | 12.2 | 12.0 | 13.0 | 13.4 | 12.2 | 12.7 | - | 11.2 |
| Sunshine Duration | | 8.1 | 0.0 | 0.0 | 0.0 | 0.3 | 0.7 | 5.8 | 5.5 | 6.5 | 7.0 | 3.4 | | 3.5 |
| Precipitation | | | 0.0 | 3.6 | 0.2 | | 11.0 | 0.0 | 3.5 | 6.7 | 11.6 | 36.6 | 1.6 | 14.5 |
| Evaporation | | 0.9 | 0.4 | 0.0 | 2.1 | 0.0 | 0.0 | 0.9 | 1.1 | 0.4 | 6.3 | 12.1 | 10.5 | 13.2 |
| Growing Degrees | 5 | 4.4 | 3.8 | 11.3 | 7.4 | 6.0 | 5.7 | 5.7 | 7.2 | 8.9 | 5.8 | 66.2 | 33.8 | 43.5 |
| | 10 | 0.0 | 0.0 | 6.3 | 2.4 | 1.0 | 0.7 | 0.7 | 2.2 | 3.9 | 0.8 | 18.0 | 1.4 | 9.8 |

| 3rd 10-day period (21-30/11/2021) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|------|------------------------|--------------------------|
| Reference Evapotranspiration | 9.6 | - | 9.2 |
| Precipitation - Reference Evapotranspiration | 27.0 | - | 5.3 |
| Number of Rainy Days | 6.0 | 1.0 | 3.3 |
| Number of Dry Days | 3.0 | 10.0 | - |

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



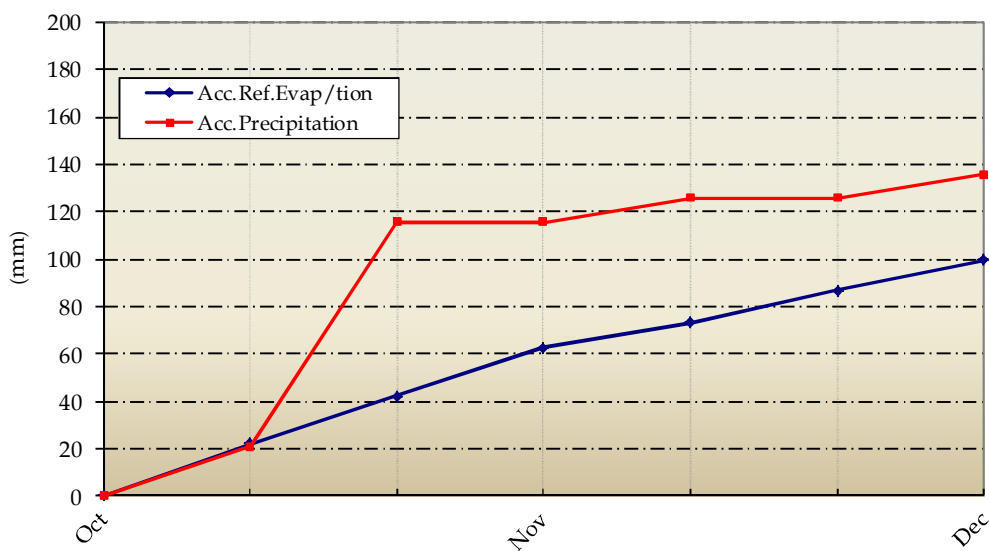
Mikra

| 3rd 10-day period (21-30/11/2021) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 16.1 | 15.4 | 16.4 | 14.4 | 12.0 | 14.4 | 15.9 | 19.3 | 17.8 | 14.6 | 15.6 | 14.7 | 13.8 |
| | Min | 5.7 | 8.8 | 13.0 | 11.0 | 8.6 | 8.0 | 8.1 | 8.0 | 11.9 | 6.8 | 9.0 | 3.1 | 6.4 |
| Relative Humidity | Max | 92 | 95 | 97 | 90 | 86 | 99 | 99 | 97 | 99 | 72 | 93 | 88 | 91 |
| | Min | 65 | 76 | 78 | 60 | 59 | 69 | 73 | 45 | 51 | 46 | 62 | 45 | 59 |
| Soil Temperature at 10 cm | 06 UTC | 12.0 | 12.8 | 14.0 | 13.4 | 13.2 | 12.0 | 12.0 | 12.8 | 13.8 | 12.8 | 12.9 | 10.8 | 10.1 |
| | 12 UTC | 12.6 | 13.6 | 14.0 | 14.0 | 13.0 | 13.2 | 13.2 | 13.4 | 14.4 | 11.6 | 13.3 | 12.2 | 11.9 |
| Sunshine Duration | | 9.2 | 0.4 | 0.4 | 0.0 | 0.0 | 0.0 | 5.4 | 3.3 | 3.6 | 4.4 | 2.7 | 5.5 | 3.9 |
| Precipitation | | | | 5.9 | 0.7 | | 1.1 | | 0.2 | 1.1 | 1.0 | 10.0 | 4.9 | 12.0 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | 18.2 |
| Growing Degrees | 5 | 5.9 | 7.1 | 9.7 | 7.7 | 5.3 | 6.2 | 7.0 | 8.7 | 9.9 | 5.7 | 73.1 | 39.0 | 47.8 |
| | 10 | 0.9 | 2.1 | 4.7 | 2.7 | 0.3 | 1.2 | 2.0 | 3.7 | 4.9 | 0.7 | 23.1 | 0.9 | 13.1 |

| 3rd 10-day period (21-30/11/2021) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|------|------------------------|--------------------------|
| Reference Evapotranspiration | 12.9 | 11.6 | 6.9 |
| Precipitation - Reference Evapotranspiration | -2.9 | -6.7 | 5.1 |
| Number of Rainy Days | 6.0 | 1.0 | 2.7 |
| Number of Dry Days | 12.0 | 11.0 | - |

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



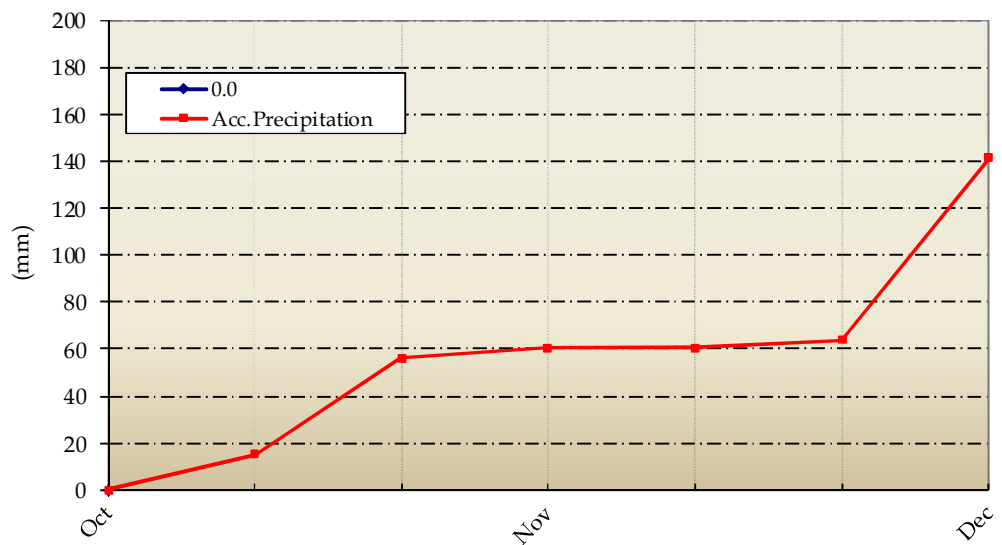
Tanagra

| 3rd 10-day period (21-30/11/2021) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 18.8 | 19.2 | 19.0 | 13.5 | 13.6 | 12.0 | 19.6 | 20.0 | 19.1 | 13.5 | 16.8 | 14.8 | 15.6 |
| | Min | 7.0 | 4.0 | 12.0 | 12.8 | 6.0 | 6.4 | 9.8 | 10.8 | 17.3 | 10.9 | 9.7 | 7.3 | 7.4 |
| Relative Humidity | Max | 100 | 100 | 100 | 100 | 96 | 100 | 100 | 99 | 66 | 94 | 96 | 90 | 93 |
| | Min | 48 | 51 | 66 | 64 | 54 | 70 | 51 | 45 | 40 | 47 | 54 | 52 | 53 |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sunshine Duration | | 7.7 | 3.7 | 1.3 | 0.0 | 1.0 | 0.2 | 2.5 | 7.0 | 1.0 | 8.0 | 3.2 | 3.5 | 4.1 |
| Precipitation | | | 0.0 | 13.2 | 24.5 | | 23.8 | 5.3 | 9.9 | | 0.6 | 77.3 | 5.4 | 21.3 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | 23.9 |
| Growing Degrees | 5 | 7.9 | 6.6 | 10.5 | 8.2 | 4.8 | 4.2 | 9.7 | 10.4 | 13.2 | 7.2 | 82.7 | 60.5 | 58.0 |
| | 10 | 2.9 | 1.6 | 5.5 | 3.2 | 0.0 | 0.0 | 4.7 | 5.4 | 8.2 | 2.2 | 33.7 | 11.6 | 19.3 |

| 3rd 10-day period (21-30/11/2021) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|-----|------------------------|--------------------------|
| Reference Evapotranspiration | - | - | |
| Precipitation - Reference Evapotranspiration | - | - | |
| Number of Rainy Days | 6.0 | 3.0 | 2.7 |
| Number of Dry Days | 3.0 | 4.0 | - |

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



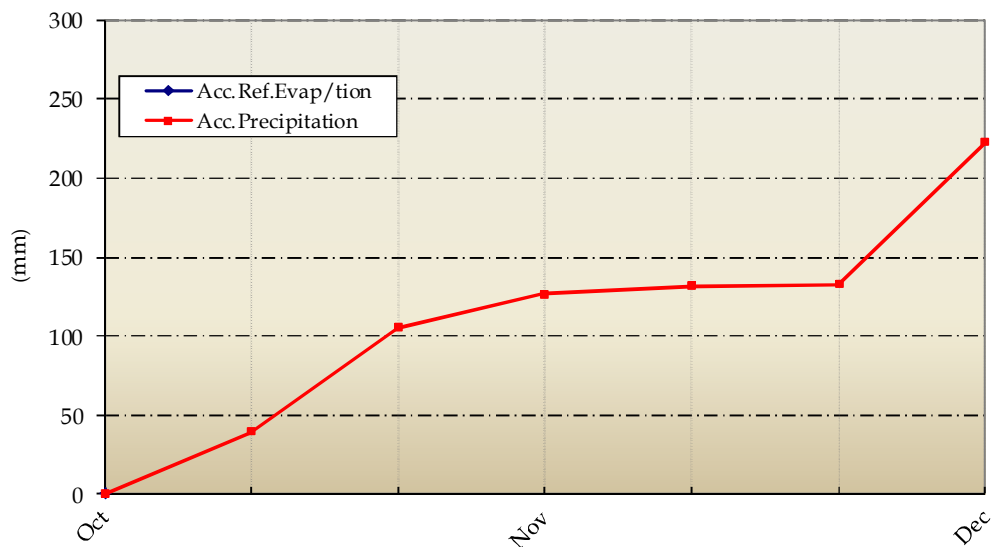
Tripoli

| 3rd 10-day period (21-30/11/2021) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 18.1 | 12.4 | 14.9 | 11.8 | 11.2 | 13.6 | 15.2 | 15.9 | 12.7 | 9.5 | 13.5 | 13.2 | 13.2 |
| | Min | 2.6 | 1.5 | 10.5 | 4.3 | 4.5 | 7.9 | 9.4 | 10.0 | 11.6 | 5.5 | 6.8 | 2.0 | 3.1 |
| Relative Humidity | Max | 98 | 100 | 99 | 100 | 98 | 99 | 97 | 91 | 91 | 87 | 96 | 92 | 96 |
| | Min | 37 | 80 | 70 | 76 | 69 | 71 | 63 | 60 | 64 | 51 | 64 | 48 | 55 |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 8.4 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 10.0 |
| Sunshine Duration | | 8.0 | 0.1 | 1.2 | 1.0 | 0.0 | 1.5 | 1.4 | 3.3 | 0.7 | 3.9 | 2.1 | 4.8 | 4.7 |
| Precipitation | | | 1.4 | 9.5 | 0.6 | | 31.1 | 3.8 | 3.2 | 14.3 | 26.3 | 90.2 | 7.0 | 29.6 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | 23.8 |
| Growing Degrees | 5 | 5.4 | 2.0 | 7.7 | 3.1 | 2.9 | 5.8 | 7.3 | 8.0 | 7.2 | 2.5 | 51.6 | 25.8 | 31.6 |
| | 10 | 0.4 | 0.0 | 2.7 | 0.0 | 0.0 | 0.8 | 2.3 | 3.0 | 2.2 | 0.0 | 11.2 | 1.1 | 4.9 |

| 3rd 10-day period (21-30/11/2021) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|------|------------------------|--------------------------|
| Reference Evapotranspiration | 9.0 | 9.6 | 5.1 |
| Precipitation - Reference Evapotranspiration | 81.2 | -2.6 | 24.5 |
| Number of Rainy Days | 8.0 | 1.0 | 3.1 |
| Number of Dry Days | 5.0 | 9.0 | - |

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

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**ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ**

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