



AGROMETEOROLOGICAL BULLETIN

November 2017
2nd 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



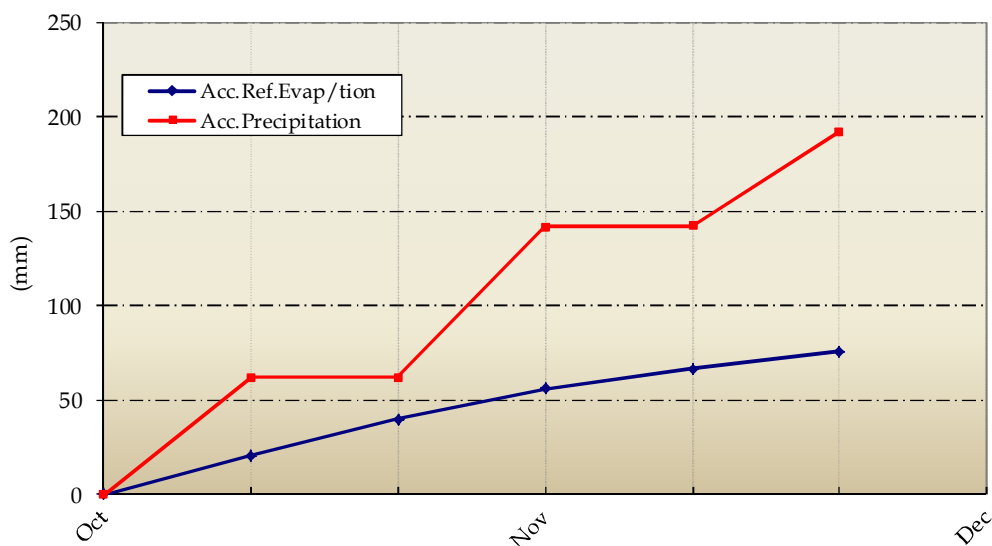
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El. Venizelou Street 14, 16777
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Web adresses of HNMS
www.emy.gr
www.hnms.gr
www.emy.gov.gr
www.meteo.gov.gr
www.meteohellas.gr

| 2nd 10-day period (11-20/11/2017) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 16.4 | 18.8 | 20.8 | 19.8 | 17.4 | 14.8 | 16.2 | 16.0 | 13.8 | 10.4 | 16.4 | 15.5 | 14.4 |
| | Min | 5.4 | 13.8 | 14.0 | 11.8 | 9.6 | 12.6 | 11.4 | 11.8 | 10.4 | 5.4 | 10.6 | 3.6 | 6.2 |
| Relative Humidity | Max | 94 | 95 | 93 | 95 | 91 | 91 | 93 | 95 | 95 | 97 | 94 | 84 | - |
| | Min | 75 | 80 | 66 | 72 | 74 | 78 | 62 | 79 | 90 | 77 | 75 | 40 | - |
| Soil Temperature at 10 cm | 06 UTC | 10.4 | 13.8 | 14.6 | 13.8 | 13.0 | 13.4 | 12.4 | 13.0 | 13.0 | 11.6 | 12.9 | 10.2 | 9.7 |
| | 12 UTC | 13.2 | 15.0 | 16.0 | 15.4 | 14.8 | 14.0 | 13.8 | 14.0 | 13.2 | 10.6 | 14.0 | 13.6 | 11.5 |
| Sunshine Duration | | 0.4 | 2.8 | 5.2 | 5.6 | 4.8 | 0.5 | 2.2 | 1.4 | 0.0 | 0.0 | 2.3 | 7.0 | 3.9 |
| Precipitation | | | 8.4 | | | | | 0.2 | 4.3 | 12.2 | 25.1 | 50.2 | 0.0 | 29.1 |
| Evaporation | | 0.4 | 0.3 | 1.8 | 1.2 | 2.5 | 1.5 | 0.7 | 1.1 | 0.6 | 1.0 | 11.1 | 25.2 | 18.6 |
| Growing Degrees | 5 | 5.9 | 11.3 | 12.4 | 10.8 | 8.5 | 8.7 | 8.8 | 8.9 | 7.1 | 2.9 | 85.3 | 45.6 | 54.2 |
| | 10 | 0.9 | 6.3 | 7.4 | 5.8 | 3.5 | 3.7 | 3.8 | 3.9 | 2.1 | 0.0 | 37.4 | 14.0 | 17.6 |

| 2nd 10-day period (11-20/11/2017) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 9.0 | 13.0 | 11.3 |
| Precipitation - Reference Evapotranspiration | 41.2 | -13.0 | 17.8 |
| Number of Rainy Days | 5.0 | 0.0 | 2.9 |
| Number of Dry Days | 3.0 | 10.0 | - |

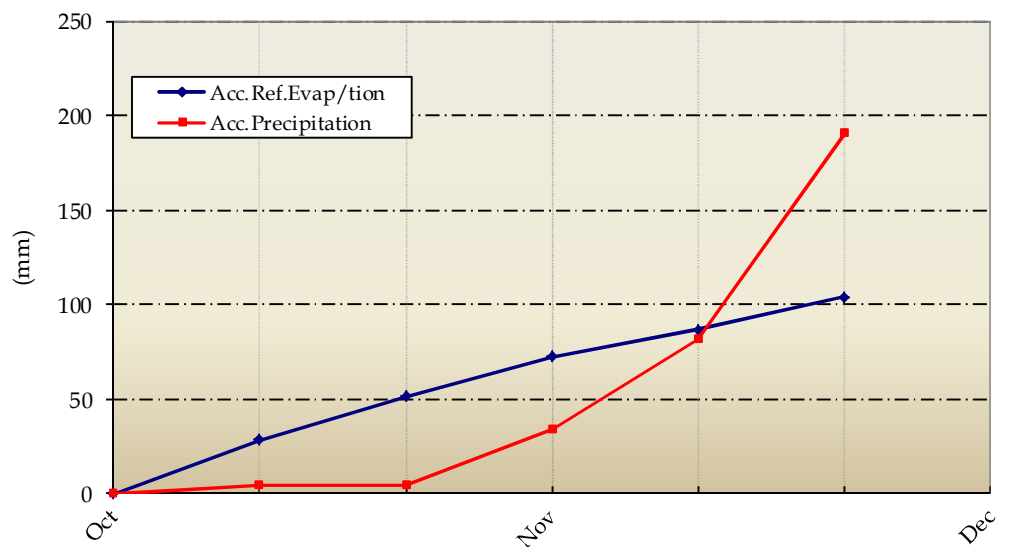
Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



| 2nd 10-day period (11-20/11/2017) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 21.0 | 22.6 | 21.4 | 22.0 | 18.5 | 20.6 | 19.2 | 18.5 | 18.0 | 16.6 | 19.8 | 18.6 | 18.6 |
| | Min | 9.4 | 12.8 | 13.6 | 13.6 | 12.6 | 13.3 | 13.5 | 12.5 | 13.4 | 12.3 | 12.7 | 9.0 | 9.7 |
| Relative Humidity | Max | 84 | 83 | 83 | 92 | 92 | 90 | 89 | 90 | 84 | 87 | 87 | 89 | - |
| | Min | 45 | 41 | 41 | 51 | 56 | 60 | 59 | 60 | 59 | 44 | 52 | 48 | - |
| Soil Temperature at 10 cm | 06 UTC | 15.5 | 15.6 | 15.8 | 15.8 | 15.4 | 15.0 | 15.8 | 15.4 | 15.8 | 15.4 | 15.6 | - | 13.2 |
| | 12 UTC | 16.4 | 16.2 | 16.4 | 16.6 | 16.2 | 16.5 | 16.2 | 16.0 | 16.0 | 15.6 | 16.2 | - | 15.2 |
| Sunshine Duration | | 2.1 | 5.2 | 5.8 | 3.6 | 0.0 | 7.8 | 4.9 | 2.7 | 2.3 | 6.7 | 4.1 | 5.8 | 4.9 |
| Precipitation | | | | | 1.1 | 49.3 | 31.2 | 12.2 | 6.5 | 8.5 | 0.5 | 109.3 | 21.6 | 50.9 |
| Evaporation | | 1.0 | 1.0 | 1.1 | 1.6 | 1.5 | 2.6 | 0.5 | 5.5 | 8.5 | 1.0 | 24.3 | 29.4 | 21.4 |
| Growing Degrees | 5 | 10.2 | 12.7 | 12.5 | 12.8 | 10.6 | 12.0 | 11.4 | 10.5 | 10.7 | 9.5 | 112.7 | 88.1 | 91.7 |
| | 10 | 5.2 | 7.7 | 7.5 | 7.8 | 5.6 | 7.0 | 6.4 | 5.5 | 5.7 | 4.5 | 62.7 | 38.1 | 42.4 |

| 2nd 10-day period (11-20/11/2017) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 17.3 | 10.2 | 11.8 |
| Precipitation - Reference Evapotranspiration | 92.0 | 11.4 | 39.1 |
| Number of Rainy Days | 7.0 | 2.0 | 4.2 |
| Number of Dry Days | 5.0 | 1.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

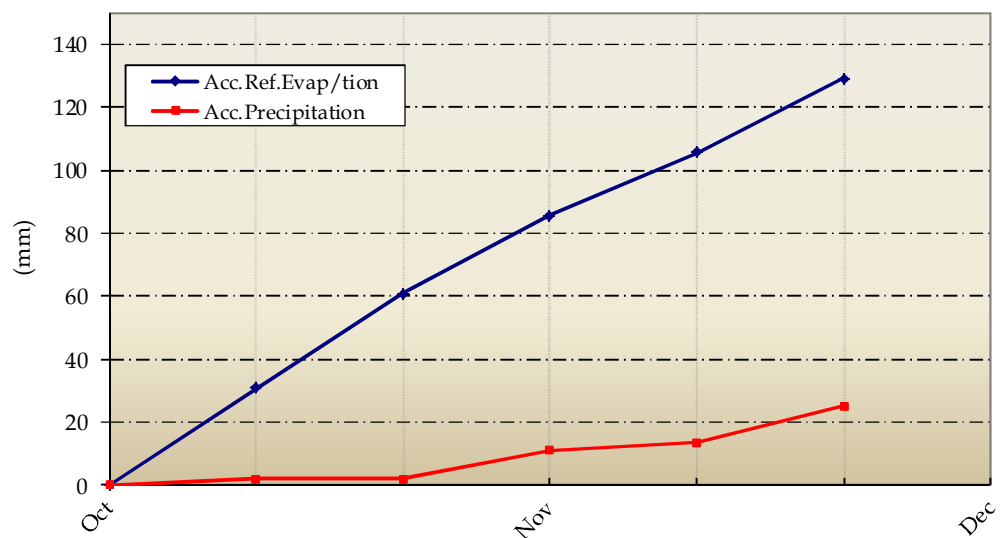


Iraklio

| 2nd 10-day period (11-20/11/2017) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 24.0 | 22.0 | 21.2 | 23.6 | 24.2 | 24.4 | 24.0 | 20.4 | 20.8 | 20.2 | 22.5 | 19.7 | 19.7 |
| | Min | 11.0 | 13.0 | 18.0 | 13.8 | 18.0 | 18.0 | 18.4 | 14.0 | 12.8 | 13.6 | 15.1 | 14.4 | 13.2 |
| Relative Humidity | Max | 89 | 84 | 84 | 82 | 80 | 80 | 89 | 93 | 90 | 81 | 85 | 81 | - |
| | Min | 44 | 58 | 50 | 50 | 54 | 55 | 48 | 57 | 56 | 53 | 52 | 58 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sunshine Duration | | 8.1 | 2.8 | 3.7 | 7.4 | 7.1 | 7.2 | 4.8 | 3.5 | 7.1 | 5.5 | 5.7 | 4.9 | 4.9 |
| Precipitation | | | | 3.4 | | | | 0.4 | 7.8 | | 0.0 | 11.6 | 0.2 | 22.2 |
| Evaporation | | 11.6 | 2.4 | 4.6 | 2.7 | 2.6 | 5.2 | 2.2 | 0.8 | 0.3 | 1.9 | 34.3 | 22.1 | 33.6 |
| Growing Degrees | 5 | 12.5 | 12.5 | 14.6 | 13.7 | 16.1 | 16.2 | 16.2 | 12.2 | 11.8 | 11.9 | 137.7 | 120.4 | 114.3 |
| | 10 | 7.5 | 7.5 | 9.6 | 8.7 | 11.1 | 11.2 | 11.2 | 7.2 | 6.8 | 6.9 | 87.7 | 70.4 | 64.3 |

| 2nd 10-day period (11-20/11/2017) | | Previous Year Value | Past Years Mean Value |
|--|-------|------------------------|--------------------------|
| Reference Evapotranspiration | 23.2 | 18.0 | - |
| Precipitation - Reference Evapotranspiration | -11.6 | -17.8 | 22.2 |
| Number of Rainy Days | 3.0 | 1.0 | 2.7 |
| Number of Dry Days | 8.0 | 4.0 | - |

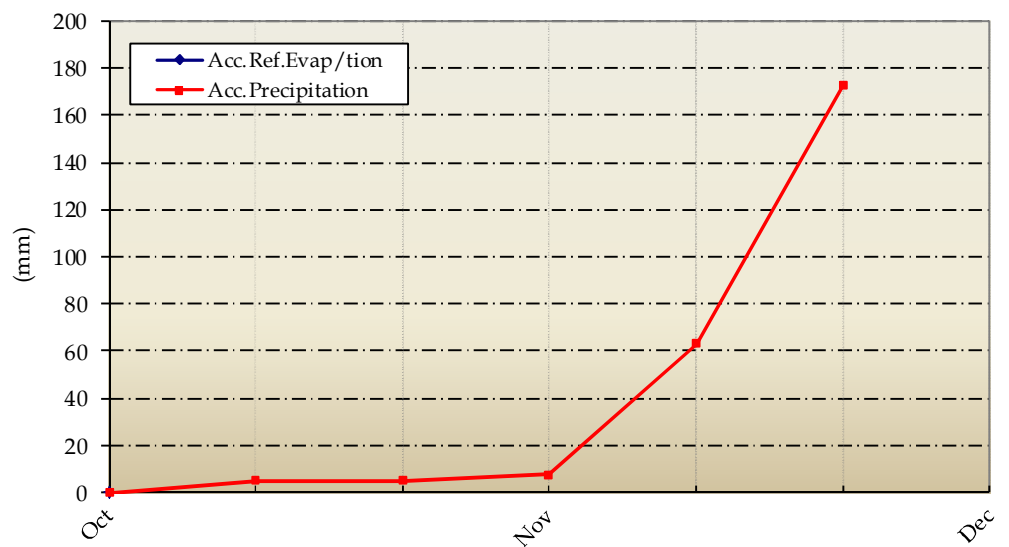
Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



| 2nd 10-day period (11-20/11/2017) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 12.4 | 17.2 | 17.4 | 15.0 | 15.2 | 17.2 | 15.6 | 16.2 | 16.6 | 11.0 | 15.4 | 13.8 | 13.9 |
| | Min | 8.6 | 10.8 | 9.4 | 9.5 | 10.0 | 10.4 | 8.6 | 9.5 | 8.4 | 4.6 | 9.0 | 2.5 | 4.6 |
| Relative Humidity | Max | 100 | 100 | 100 | 100 | 97 | 100 | 100 | 100 | 100 | 97 | 99 | 100 | - |
| | Min | 88 | 68 | 72 | 77 | 74 | 61 | 61 | 58 | 62 | 37 | 66 | 64 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 8.9 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 10.1 |
| Sunshine Duration | | 0.0 | 4.8 | 1.5 | 0.1 | 0.8 | 5.1 | 2.5 | 2.4 | 3.0 | 4.6 | 2.5 | 2.9 | 3.0 |
| Precipitation | | 36.3 | 27.9 | 0.2 | 4.1 | 12.5 | 11.4 | 0.5 | 9.9 | 0.6 | 6.1 | 109.5 | 35.8 | 63.6 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | 13.4 |
| Growing Degrees | 5 | 5.5 | 9.0 | 8.4 | 7.3 | 7.6 | 8.8 | 7.1 | 7.9 | 7.5 | 2.8 | 71.8 | 31.7 | 44.8 |
| | 10 | 0.5 | 4.0 | 3.4 | 2.3 | 2.6 | 3.8 | 2.1 | 2.9 | 2.5 | 0.0 | 24.0 | 2.2 | 8.8 |

| 2nd 10-day period (11-20/11/2017) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | - | - | 7.9 |
| Precipitation - Reference Evapotranspiration | - | - | 55.7 |
| Number of Rainy Days | 10.0 | 4.0 | 4.4 |
| Number of Dry Days | 0.0 | 0.0 | - |

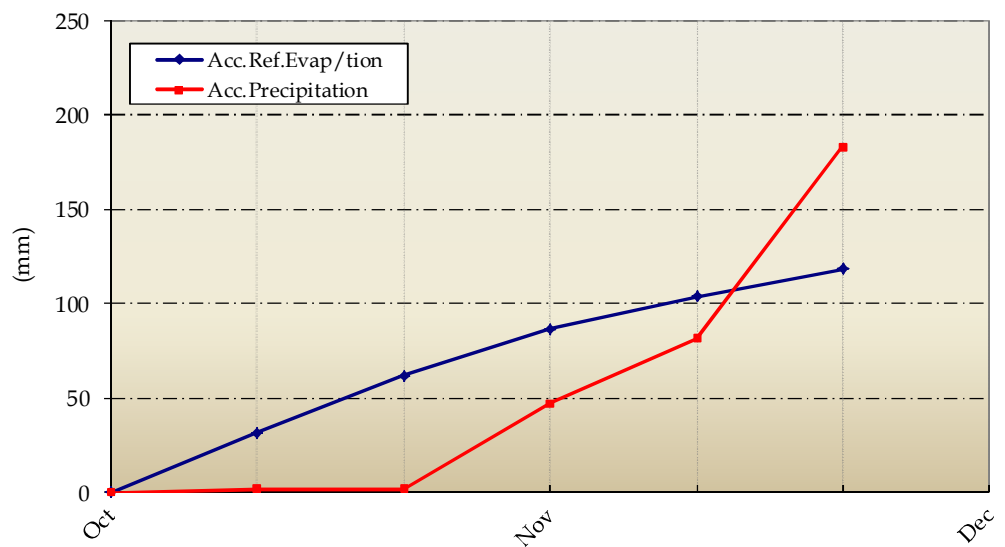
Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



| 2nd 10-day period (11-20/11/2017) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 21.4 | 21.9 | 20.6 | 21.9 | 21.6 | 21.4 | 19.6 | 17.3 | 20.0 | 17.5 | 20.3 | 20.7 | 19.5 |
| | Min | 8.7 | 9.1 | 13.3 | 9.8 | 13.8 | 13.6 | 13.7 | 12.7 | 11.6 | 10.7 | 11.7 | 8.1 | 9.3 |
| Relative Humidity | Max | 89 | 91 | 92 | 93 | 93 | 90 | 92 | 93 | 93 | 93 | 92 | 91 | - |
| | Min | 49 | 58 | 55 | 57 | 52 | 59 | 60 | 67 | 61 | 54 | 57 | 45 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 14.0 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 15.4 |
| Sunshine Duration | | 7.6 | 4.9 | 1.1 | 3.9 | 3.6 | 4.4 | 4.0 | 1.1 | 4.6 | 5.1 | 4.0 | 7.7 | 4.6 |
| Precipitation | | | | 12.2 | 0.9 | 43.6 | 18.6 | 7.5 | 9.4 | 6.5 | 2.9 | 101.6 | 9.7 | 55.3 |
| Evaporation | | 0.2 | 1.5 | 2.1 | 2.4 | 1.0 | 3.1 | 1.6 | 1.8 | 1.0 | 1.8 | 16.5 | 23.3 | 22.8 |
| Growing Degrees | 5 | 10.1 | 10.5 | 12.0 | 10.9 | 12.7 | 12.5 | 11.7 | 10.0 | 10.8 | 9.1 | 110.1 | 94.1 | 93.9 |
| | 10 | 5.1 | 5.5 | 7.0 | 5.9 | 7.7 | 7.5 | 6.7 | 5.0 | 5.8 | 4.1 | 60.1 | 44.1 | 44.2 |

| 2nd 10-day period (11-20/11/2017) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 14.9 | 15.4 | 13.4 |
| Precipitation - Reference Evapotranspiration | 86.7 | -5.7 | 41.9 |
| Number of Rainy Days | 8.0 | 2.0 | 3.8 |
| Number of Dry Days | 4.0 | 1.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

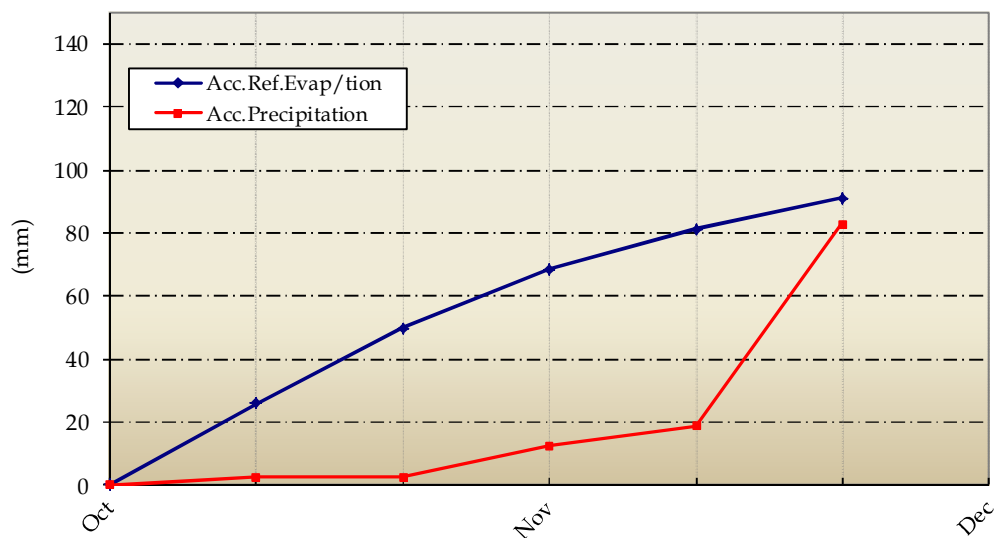


Larisa

| 2nd 10-day period (11-20/11/2017) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 16.2 | 19.2 | 19.0 | 19.0 | 15.0 | 15.4 | 15.8 | 14.6 | 16.4 | 12.4 | 16.3 | 15.5 | 15.3 |
| | Min | 7.0 | 9.0 | 7.3 | 5.8 | 12.0 | 11.8 | 12.0 | 7.0 | 9.8 | 6.6 | 8.8 | 3.8 | 5.5 |
| Relative Humidity | Max | 98 | 100 | 98 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 99 | - |
| | Min | 72 | 61 | 64 | 72 | 94 | 89 | 93 | 10 | 81 | 52 | 69 | 50 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | 14.1 | 10.9 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | 14.2 | 11.6 |
| Sunshine Duration | | 0.3 | 3.5 | 3.5 | 3.1 | 0.0 | 1.3 | 0.8 | 0.7 | 3.2 | 3.8 | 2.0 | 4.8 | 3.5 |
| Precipitation | | 0.1 | 7.8 | | | 26.0 | 20.9 | 8.5 | 0.4 | 0.3 | 0.1 | 64.1 | 3.4 | 21.2 |
| Evaporation | | 0.2 | 0.2 | 6.2 | 2.0 | 0.6 | 0.0 | 0.1 | 0.1 | 0.7 | 2.4 | 12.5 | 13.3 | 13.7 |
| Growing Degrees | 5 | 6.6 | 9.1 | 8.2 | 7.4 | 8.5 | 8.6 | 8.9 | 5.8 | 8.1 | 4.5 | 75.7 | 46.5 | 54.7 |
| | 10 | 1.6 | 4.1 | 3.2 | 2.4 | 3.5 | 3.6 | 3.9 | 0.8 | 3.1 | 0.0 | 26.2 | 10.0 | 14.5 |

| 2nd 10-day period (11-20/11/2017) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 10.1 | 8.5 | 8.8 |
| Precipitation - Reference Evapotranspiration | 54.0 | -5.1 | 12.4 |
| Number of Rainy Days | 8.0 | 4.0 | 3.4 |
| Number of Dry Days | 2.0 | 1.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

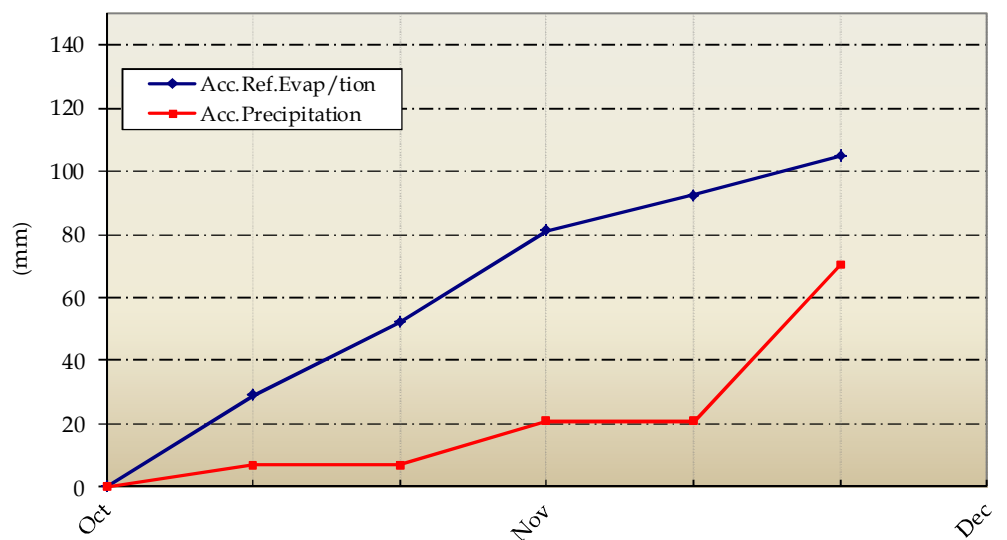


Mikra

| 2nd 10-day period (11-20/11/2017) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 14.8 | 17.5 | 20.4 | 18.0 | 18.8 | 17.3 | 15.8 | 16.9 | 15.6 | 11.6 | 16.7 | 14.9 | 14.7 |
| | Min | 8.5 | 12.0 | 11.7 | 13.1 | 13.2 | 13.0 | 12.4 | 12.2 | 7.6 | 7.4 | 11.1 | 5.5 | 6.8 |
| Relative Humidity | Max | 92 | 93 | 94 | 90 | 87 | 91 | 90 | 91 | 92 | 91 | 91 | 84 | - |
| | Min | 81 | 73 | 60 | 69 | 61 | 61 | 14 | 58 | 57 | 41 | 58 | 45 | - |
| Soil Temperature at 10 cm | 06 UTC | 12.6 | 14.4 | 14.8 | 15.3 | 15.8 | 15.2 | 14.4 | 14.2 | 12.8 | 12.1 | 14.2 | 10.6 | 10.3 |
| | 12 UTC | 13.8 | 15.2 | 18.0 | 16.4 | 16.2 | 16.0 | 14.8 | 15.0 | 14.4 | 10.6 | 15.0 | 12.1 | 12.2 |
| Sunshine Duration | | 0.0 | 3.5 | 2.3 | 2.6 | 0.1 | 0.0 | 0.6 | 1.9 | 1.2 | 6.7 | 1.9 | 6.5 | 3.5 |
| Precipitation | | 9.4 | 3.0 | 0.4 | 1.3 | 3.6 | 10.3 | 16.3 | 1.7 | | 3.4 | 49.4 | 1.2 | 21.1 |
| Evaporation | | 0.6 | 0.0 | 0.4 | 0.7 | 2.2 | 10.9 | 0.4 | 2.2 | 3.2 | 4.3 | 24.9 | 19.7 | 18.7 |
| Growing Degrees | 5 | 6.7 | 9.8 | 11.1 | 10.6 | 11.0 | 10.2 | 9.1 | 9.6 | 6.6 | 4.5 | 88.9 | 52.0 | 57.6 |
| | 10 | 1.7 | 4.8 | 6.1 | 5.6 | 6.0 | 5.2 | 4.1 | 4.6 | 1.6 | 0.0 | 39.4 | 13.9 | 17.1 |

| 2nd 10-day period (11-20/11/2017) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 12.4 | 13.2 | 11.2 |
| Precipitation - Reference Evapotranspiration | 37.0 | -12.0 | 9.9 |
| Number of Rainy Days | 9.0 | 2.0 | 3.0 |
| Number of Dry Days | 13.0 | 2.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

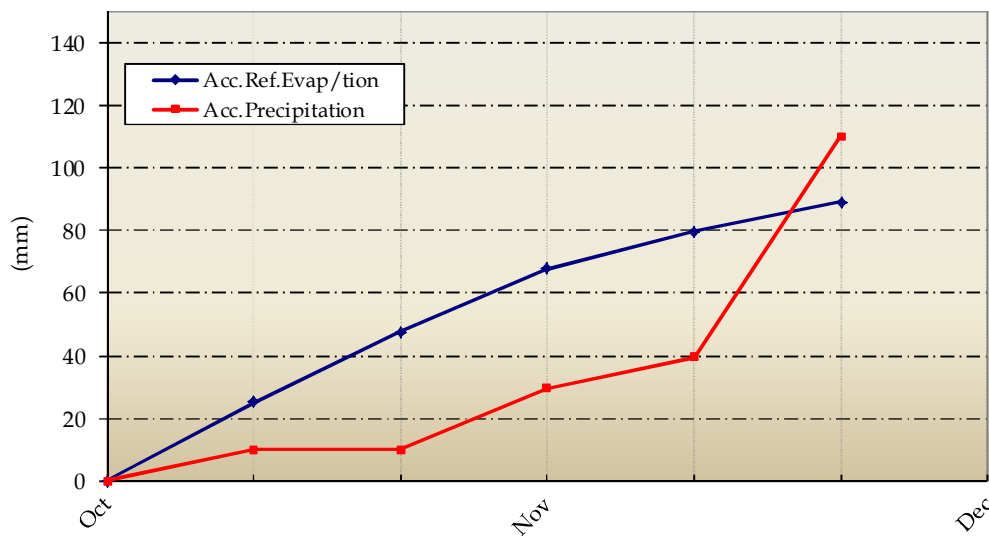


Tanagra

| 2nd 10-day period (11-20/11/2017) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 21.8 | 21.2 | 19.4 | 19.8 | 17.4 | 16.9 | 14.6 | 16.3 | 16.4 | 16.0 | 18.0 | 17.0 | 17.8 |
| | Min | 6.8 | 11.7 | 13.0 | 6.7 | 13.7 | 12.5 | 9.4 | 9.1 | 8.5 | 9.7 | 10.1 | 7.8 | 8.3 |
| Relative Humidity | Max | 100 | 94 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 87 | 98 | 91 | - |
| | Min | 42 | 46 | 57 | 59 | 83 | 72 | 96 | 76 | 35 | 49 | 62 | 44 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sunshine Duration | | 5.7 | 3.4 | 0.7 | 6.0 | 0.6 | 1.5 | 0.7 | 0.0 | 2.0 | 4.7 | 2.5 | 6.2 | |
| Precipitation | | | | 4.9 | 5.4 | 5.5 | 6.7 | 30.6 | 2.3 | 12.8 | 2.5 | 70.7 | 1.5 | 21.4 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Growing Degrees | 5 | 9.3 | 11.5 | 11.2 | 8.3 | 10.6 | 9.7 | 7.0 | 7.7 | 7.5 | 7.9 | 90.5 | 73.9 | |
| | 10 | 4.3 | 6.5 | 6.2 | 3.3 | 5.6 | 4.7 | 2.0 | 2.7 | 2.5 | 2.9 | 40.5 | 25.4 | |

| 2nd 10-day period (11-20/11/2017) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 9.6 | 11.2 | |
| Precipitation - Reference Evapotranspiration | 61.1 | -9.7 | 21.4 |
| Number of Rainy Days | 8.0 | 2.0 | 3.7 |
| Number of Dry Days | 4.0 | 5.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

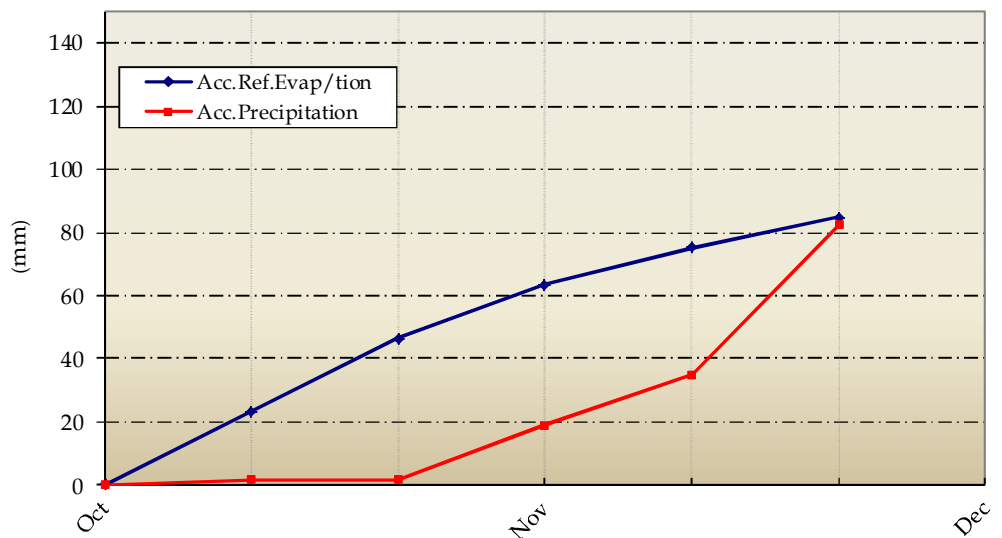


Tripoli

| 2nd 10-day period (11-20/11/2017) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 18.6 | 19.1 | 15.7 | 18.3 | 16.4 | 17.4 | 12.2 | 15.6 | 15.0 | 12.9 | 16.1 | 15.0 | 14.9 |
| | Min | 4.4 | 4.6 | 8.0 | 6.1 | 9.0 | 10.3 | 8.4 | 7.0 | 5.8 | 4.9 | 6.8 | 3.0 | 4.4 |
| Relative Humidity | Max | 100 | 100 | 100 | 100 | 100 | 99 | 100 | 100 | 100 | 99 | 100 | 100 | - |
| | Min | 35 | 35 | 63 | 53 | 61 | 52 | 87 | 59 | 52 | 39 | 54 | 48 | - |
| Soil Temperature at 10 cm | 06 UTC | 10.2 | 10.6 | 12.0 | 11.0 | 12.2 | 12.4 | 12.2 | 11.6 | 11.4 | 10.8 | 11.4 | 9.3 | 9.7 |
| | 12 UTC | - | - | 12.4 | 12.4 | 13.2 | 13.8 | 12.8 | - | - | 11.4 | 12.7 | 11.8 | 10.8 |
| Sunshine Duration | | 6.3 | 4.0 | 3.0 | 4.0 | 3.1 | 4.7 | 0.0 | 2.8 | 3.3 | 6.9 | 3.8 | 6.4 | 4.5 |
| Precipitation | | | | 5.7 | | 11.9 | 1.7 | 15.2 | 6.4 | 6.3 | 0.1 | 47.3 | 10.4 | 45.7 |
| Evaporation | | 0.9 | 0.9 | 0.2 | 10.5 | 0.3 | 1.6 | 1.2 | 0.9 | 1.8 | 0.0 | 18.3 | 8.3 | 15.6 |
| Growing Degrees | 5 | 6.5 | 6.9 | 6.9 | 7.2 | 7.7 | 8.9 | 5.3 | 6.3 | 5.4 | 3.9 | 64.9 | 39.8 | 46.8 |
| | 10 | 1.5 | 1.9 | 1.9 | 2.2 | 2.7 | 3.9 | 0.3 | 1.3 | 0.4 | 0.0 | 16.0 | 4.6 | 10.1 |

| 2nd 10-day period (11-20/11/2017) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 9.8 | 9.8 | 10.5 |
| Precipitation - Reference Evapotranspiration | 37.5 | 0.6 | 35.2 |
| Number of Rainy Days | 7.0 | 3.0 | 4.0 |
| Number of Dry Days | 4.0 | 0.0 | - |

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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