



AGROMETEOROLOGICAL BULLETIN

August 2019
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



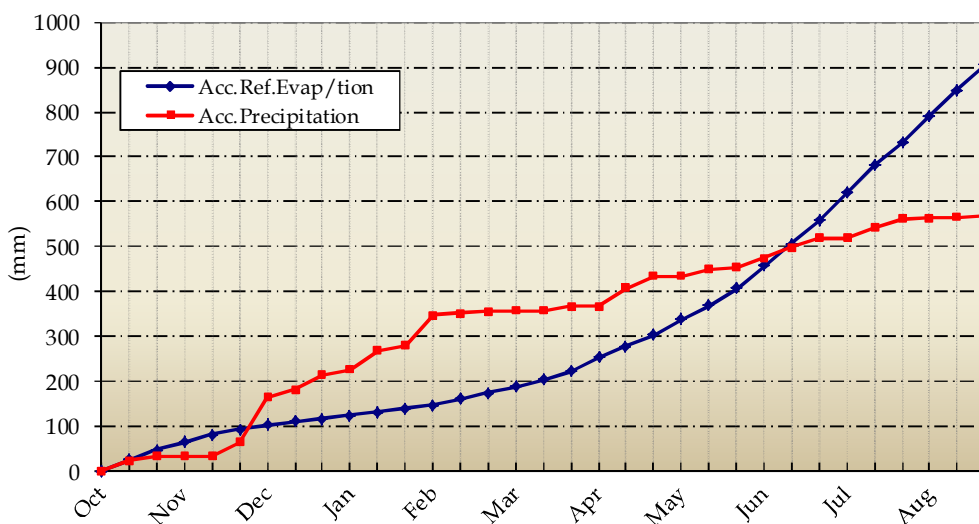
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www.emy.gr
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| 2nd 10-day period (11-20/08/2019) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|-----------------------------------|--------|------|------|------|------|------|------|------|------|------|------|-------------------|---------------------|-----------------------|
| Temperature | Max | 36.6 | 35.4 | 35.6 | 33.0 | 32.4 | 30.0 | 28.0 | 29.8 | 32.0 | 32.0 | 32.5 | 32.9 | 30.5 |
| | Min | 24.0 | 23.2 | 25.2 | 20.4 | 19.6 | 20.2 | 19.6 | 15.0 | 14.4 | 20.0 | 20.2 | 19.8 | 17.7 |
| Relative Humidity | Max | 75 | 59 | 56 | 80 | 87 | 80 | 91 | 94 | 91 | 91 | 80 | 72 | - |
| | Min | 24 | 24 | 30 | 30 | 32 | 36 | 48 | 42 | 24 | 28 | 32 | 30 | - |
| Soil Temperature at 10 cm | 06 UTC | 28.6 | 28.6 | 28.8 | 28.4 | 28.4 | 28.2 | 27.2 | 24.0 | 24.2 | 25.6 | 27.2 | 26.5 | 23.8 |
| | 12 UTC | 33.2 | 32.8 | 33.0 | 33.0 | 33.4 | 30.6 | 29.6 | 28.2 | 29.8 | 30.8 | 31.4 | 30.3 | 27.9 |
| Sunshine Duration | | 12.9 | 12.9 | 12.8 | 12.9 | 12.2 | 9.8 | 6.4 | 11.8 | 12.5 | 12.5 | 11.7 | 12.1 | 10.0 |
| Precipitation | | | | | | | 1.0 | 2.3 | | | | 3.3 | | 3.9 |
| Evaporation | | 10.5 | 12.0 | 10.6 | 8.3 | 9.3 | 7.1 | 4.0 | 5.0 | 7.0 | 12.0 | 85.8 | 98.6 | 94.5 |
| Growing Degrees | 5 | 25.3 | 24.3 | 25.4 | 21.7 | 21.0 | 20.1 | 18.8 | 17.4 | 18.2 | 21.0 | 213.2 | 213.3 | 191.3 |
| | 10 | 20.3 | 19.3 | 20.4 | 16.7 | 16.0 | 15.1 | 13.8 | 12.4 | 13.2 | 16.0 | 163.2 | 163.3 | 141.3 |

| 2nd 10-day period (11-20/08/2019) | Previous Year Value | Past Years Mean Value | |
|----------------------------------------------|---------------------|-----------------------|-------|
| Reference Evapotranspiration | 56.6 | 60.2 | 55.4 |
| Precipitation - Reference Evapotranspiration | -53.3 | -60.2 | -51.5 |
| Number of Rainy Days | 2.0 | 0.0 | 1.0 |
| Number of Dry Days | 11.0 | 22.0 | - |

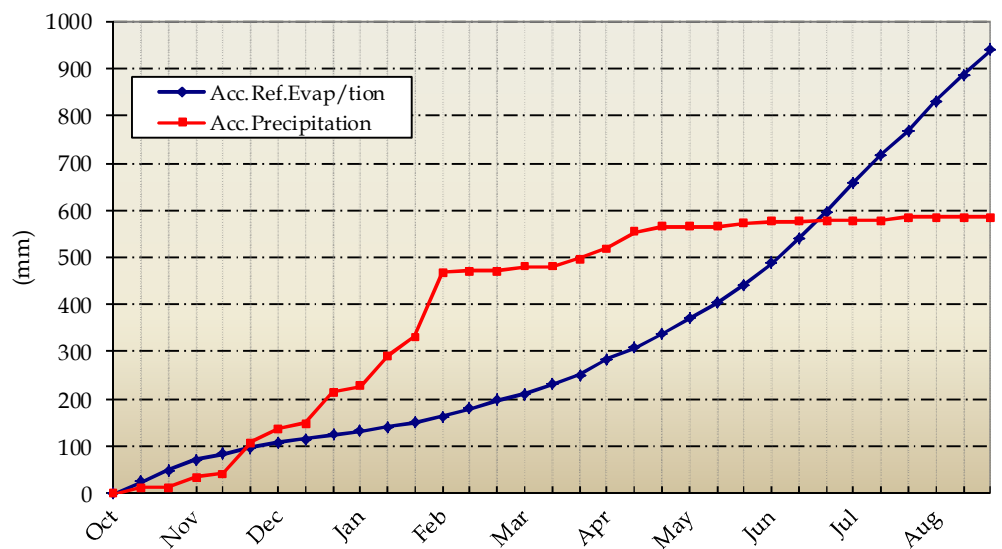
Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



| 2nd 10-day period (11-20/08/2019) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 38.8 | 38.3 | 34.8 | 34.0 | 32.4 | 30.2 | 30.4 | 32.2 | 31.2 | 32.7 | 33.5 | 32.0 | 31.2 |
| | Min | 22.6 | 18.2 | 19.2 | 19.4 | 21.9 | 19.9 | 18.0 | 19.4 | 20.1 | 18.1 | 19.7 | 19.2 | 18.7 |
| Relative Humidity | Max | 69 | 86 | 96 | 100 | 100 | 90 | 100 | 87 | 89 | 90 | 91 | 86 | - |
| | Min | 14 | 13 | 24 | 30 | 36 | 38 | 36 | 28 | 32 | 28 | 28 | 33 | - |
| Soil Temperature at 10 cm | 06 UTC | 29.0 | 29.4 | 29.2 | 29.5 | 30.0 | 29.6 | 28.8 | 29.0 | 29.0 | 28.4 | 29.2 | 28.4 | 27.4 |
| | 12 UTC | 33.0 | 33.6 | 31.2 | 31.8 | 32.0 | 31.2 | 31.4 | 31.0 | 31.2 | 30.3 | 31.7 | 29.4 | 31.7 |
| Sunshine Duration | | 12.5 | 12.6 | 11.9 | 12.0 | 11.2 | 12.1 | 12.3 | 11.3 | 12.4 | 11.7 | 12.0 | 11.3 | 11.2 |
| Precipitation | | | | | | | | | | | | | 1.1 | 4.0 |
| Evaporation | | 10.6 | 10.2 | 10.0 | 9.0 | 8.0 | 9.0 | 9.6 | 9.8 | 9.2 | 5.0 | 90.4 | 87.4 | 73.5 |
| Growing Degrees | 5 | 25.7 | 23.3 | 22.0 | 21.7 | 22.2 | 20.1 | 19.2 | 20.8 | 20.7 | 20.4 | 215.9 | 206.1 | 199.2 |
| | 10 | 20.7 | 18.3 | 17.0 | 16.7 | 17.2 | 15.1 | 14.2 | 15.8 | 15.7 | 15.4 | 165.9 | 156.1 | 149.2 |

| 2nd 10-day period (11-20/08/2019) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|-------|------------------------|--------------------------|
| Reference Evapotranspiration | 53.4 | 51.5 | 49.2 |
| Precipitation - Reference Evapotranspiration | -53.4 | -50.4 | -45.2 |
| Number of Rainy Days | 0.0 | 1.0 | 0.3 |
| Number of Dry Days | 35.0 | 47.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

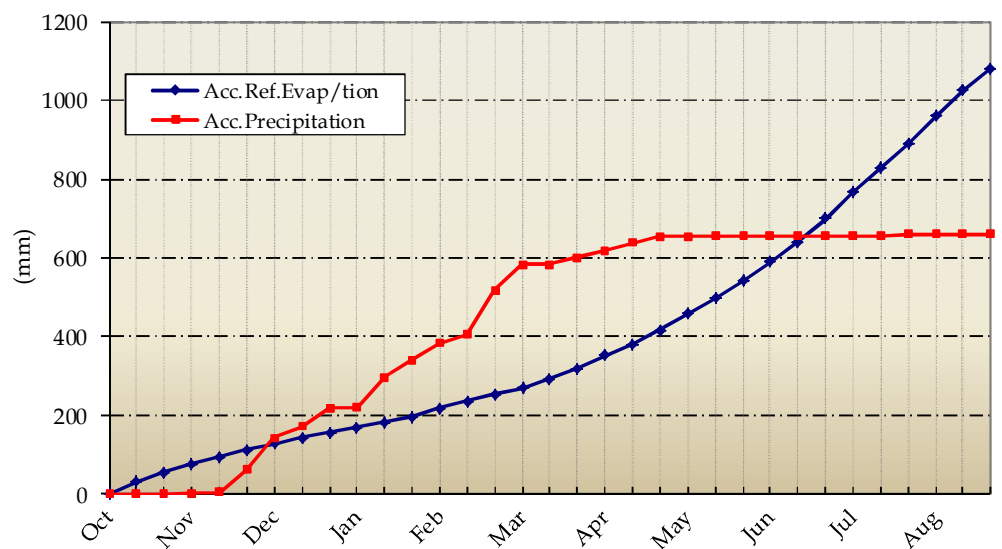


Iraklio

| 2nd 10-day period (11-20/08/2019) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 29.2 | 28.2 | 29.4 | 29.0 | 31.0 | 30.0 | 29.8 | 28.0 | 28.2 | 27.2 | 29.0 | 29.0 | 28.2 |
| | Min | 22.0 | 23.2 | 22.0 | 22.2 | 21.0 | 22.4 | 22.6 | 24.6 | 24.8 | 23.8 | 22.9 | 24.1 | 22.2 |
| Relative Humidity | Max | 75 | 81 | 84 | 84 | 83 | 86 | 86 | 71 | 66 | 70 | 79 | 78 | - |
| | Min | 62 | 63 | 57 | 58 | 58 | 56 | 61 | 40 | 42 | 57 | 55 | 56 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sunshine Duration | | 12.6 | 12.1 | 12.2 | 12.4 | 12.0 | 12.0 | 11.4 | 12.1 | 11.0 | 11.8 | 12.0 | 11.4 | 11.0 |
| Precipitation | | | | | | | | | | | | | | 0.0 |
| Evaporation | | 6.9 | 8.6 | 6.2 | 6.7 | 5.2 | 1.0 | 11.4 | 8.0 | 9.6 | 7.3 | 70.9 | 68.0 | 81.3 |
| Growing Degrees | 5 | 20.6 | 20.7 | 20.7 | 20.6 | 21.0 | 21.2 | 21.2 | 21.3 | 21.5 | 20.5 | 209.3 | 215.5 | 202.0 |
| | 10 | 15.6 | 15.7 | 15.7 | 15.6 | 16.0 | 16.2 | 16.2 | 16.3 | 16.5 | 15.5 | 159.3 | 165.5 | 152.0 |

| 2nd 10-day period (11-20/08/2019) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|-------|------------------------|--------------------------|
| Reference Evapotranspiration | 55.6 | 58.1 | - |
| Precipitation - Reference Evapotranspiration | -55.6 | -58.1 | 0.0 |
| Number of Rainy Days | 0.0 | 0.0 | 0.1 |
| Number of Dry Days | 34.0 | 21.0 | - |

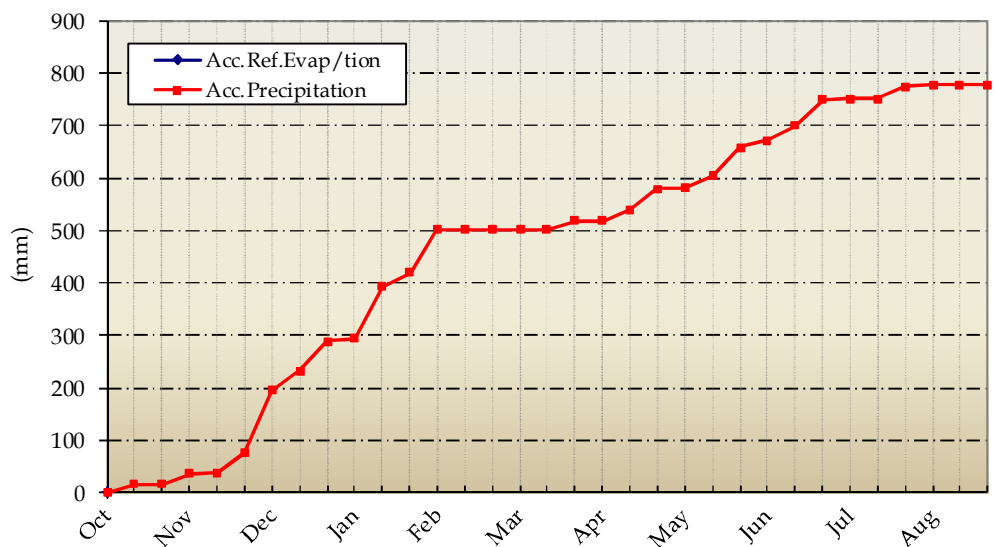
Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



| 2nd 10-day period (11-20/08/2019) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 37.2 | 36.4 | 37.8 | 36.8 | 34.0 | 32.0 | 31.6 | 32.2 | 32.4 | 35.6 | 34.6 | 31.3 | 30.9 |
| | Min | 26.0 | 25.0 | 25.0 | 16.2 | 22.0 | 18.0 | 15.0 | 16.4 | 15.0 | 15.0 | 19.4 | 17.1 | 15.4 |
| Relative Humidity | Max | 88 | 59 | 50 | 82 | 82 | 80 | 94 | 88 | 100 | 79 | 80 | 97 | - |
| | Min | 23 | 18 | 14 | 14 | 30 | 34 | 26 | 28 | 24 | 26 | 24 | 40 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 23.3 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 27.1 |
| Sunshine Duration | | 11.7 | 11.8 | 11.7 | 11.0 | 9.7 | 11.2 | 10.0 | 10.9 | 10.7 | 11.7 | 11.0 | 8.3 | 9.5 |
| Precipitation | | | | | | | | | | | | | 20.5 | 11.3 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | 64.1 |
| Growing Degrees | 5 | 26.6 | 25.7 | 26.4 | 21.5 | 23.0 | 20.0 | 18.3 | 19.3 | 18.7 | 20.3 | 219.8 | 191.9 | 176.6 |
| | 10 | 21.6 | 20.7 | 21.4 | 16.5 | 18.0 | 15.0 | 13.3 | 14.3 | 13.7 | 15.3 | 169.8 | 141.9 | 127.8 |

| 2nd 10-day period (11-20/08/2019) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|------|------------------------|--------------------------|
| Reference Evapotranspiration | - | - | 45.3 |
| Precipitation - Reference Evapotranspiration | - | - | -34.0 |
| Number of Rainy Days | 0.0 | 4.0 | 1.8 |
| Number of Dry Days | 22.0 | 11.0 | - |

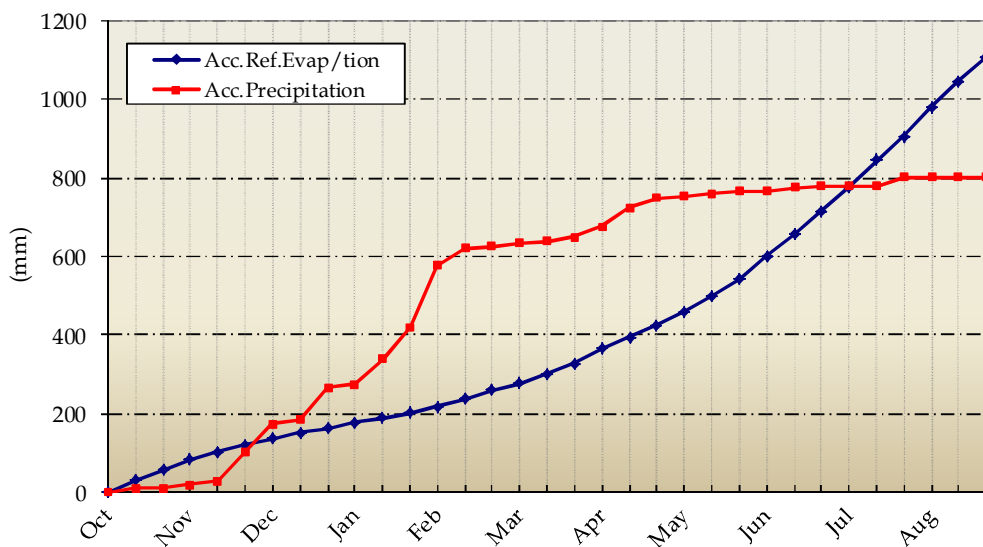
Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



| 2nd 10-day period (11-20/08/2019) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 37.2 | 32.2 | 31.7 | 32.1 | 32.4 | 31.8 | 31.4 | 30.9 | 32.0 | 31.8 | 32.4 | 32.8 | 31.4 |
| | Min | 25.7 | 17.4 | 17.8 | 18.6 | 21.1 | 20.4 | 21.3 | 19.7 | 19.4 | 18.6 | 20.0 | 19.5 | 18.2 |
| Relative Humidity | Max | 87 | 87 | 86 | 89 | 88 | 78 | 73 | 88 | 78 | 82 | 84 | 82 | - |
| | Min | 19 | 37 | 31 | 43 | 43 | 38 | 38 | 30 | 27 | 28 | 33 | 34 | - |
| Soil Temperature at 10 cm | 06 UTC | 29.2 | 28.6 | 28.4 | 28.5 | 29.1 | 29.0 | 29.0 | 28.8 | 28.0 | 28.0 | 28.7 | 26.7 | 25.7 |
| | 12 UTC | 32.8 | 32.8 | 31.4 | 31.4 | 32.6 | 31.6 | 31.4 | 31.4 | 32.3 | 30.6 | 31.8 | 30.2 | 29.6 |
| Sunshine Duration | | 12.4 | 12.2 | 12.0 | 12.0 | 12.8 | 12.0 | 12.1 | 7.8 | 12.0 | 12.2 | 11.8 | 11.2 | 10.6 |
| Precipitation | | | | | | | | | 0.0 | | | 0.0 | 0.0 | 3.9 |
| Evaporation | | 10.2 | 7.2 | 7.4 | 9.4 | 10.2 | 8.8 | 7.0 | 6.9 | 9.7 | 8.6 | 85.4 | 76.4 | 78.6 |
| Growing Degrees | 5 | 26.5 | 19.8 | 19.8 | 20.4 | 21.8 | 21.1 | 21.4 | 20.3 | 20.7 | 20.2 | 211.8 | 211.5 | 198.2 |
| | 10 | 21.5 | 14.8 | 14.8 | 15.4 | 16.8 | 16.1 | 16.4 | 15.3 | 15.7 | 15.2 | 161.8 | 161.5 | 148.2 |

| 2nd 10-day period (11-20/08/2019) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|-------|------------------------|--------------------------|
| Reference Evapotranspiration | 61.5 | 58.8 | 50.7 |
| Precipitation - Reference Evapotranspiration | -61.5 | -58.8 | -46.8 |
| Number of Rainy Days | 0.0 | 0.0 | 0.7 |
| Number of Dry Days | 35.0 | 17.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

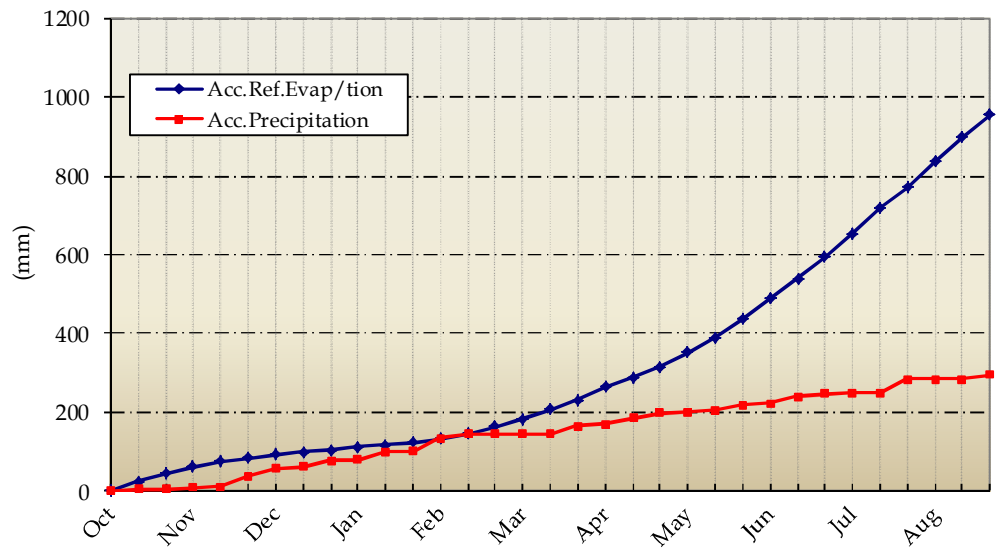


Larisa

| 2nd 10-day period (11-20/08/2019) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 36.2 | 36.0 | 35.8 | 37.2 | 33.4 | 32.2 | 31.6 | 31.4 | 32.0 | 32.4 | 33.8 | 32.6 | 32.3 |
| | Min | 20.9 | 22.8 | 17.0 | 17.2 | 22.4 | 17.9 | 18.6 | 16.4 | 15.7 | 16.6 | 18.6 | 18.4 | 17.5 |
| Relative Humidity | Max | 72 | 76 | 61 | 71 | 83 | 93 | 96 | 95 | 86 | 81 | 81 | 78 | - |
| | Min | 30 | 18 | 22 | 24 | 37 | 32 | 30 | 32 | 29 | 31 | 28 | 31 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 26.4 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 28.7 |
| Sunshine Duration | | 11.0 | 11.3 | 11.1 | 10.7 | 6.7 | 9.9 | 10.1 | 10.7 | 10.6 | 10.6 | 10.3 | 8.9 | 9.9 |
| Precipitation | | | | | | 0.0 | | 10.0 | | | | 10.0 | | 6.2 |
| Evaporation | | 16.5 | 10.3 | 14.3 | 10.9 | 10.0 | 9.3 | 8.1 | 10.6 | 10.1 | 11.5 | 111.6 | 78.9 | 84.1 |
| Growing Degrees | 5 | 23.6 | 24.4 | 21.4 | 22.2 | 22.9 | 20.1 | 20.1 | 18.9 | 18.9 | 19.5 | 211.9 | 205.3 | 199.1 |
| | 10 | 18.6 | 19.4 | 16.4 | 17.2 | 17.9 | 15.1 | 15.1 | 13.9 | 13.9 | 14.5 | 161.9 | 155.3 | 149.1 |

| 2nd 10-day period (11-20/08/2019) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|-------|------------------------|--------------------------|
| Reference Evapotranspiration | 58.1 | 52.6 | 53.3 |
| Precipitation - Reference Evapotranspiration | -48.1 | -52.6 | -47.1 |
| Number of Rainy Days | 1.0 | 0.0 | 1.4 |
| Number of Dry Days | 30.0 | 17.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

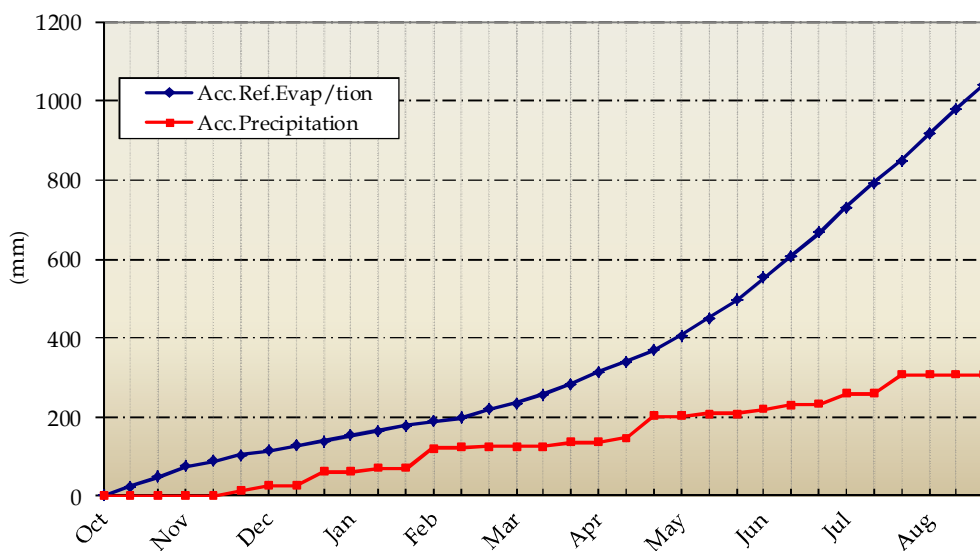


Mikra

| 2nd 10-day period (11-20/08/2019) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 34.7 | 35.0 | 35.2 | 33.0 | 30.9 | 30.5 | 31.0 | 30.7 | 31.5 | 31.6 | 32.4 | 32.5 | 31.3 |
| | Min | 23.1 | 24.4 | 20.9 | 21.4 | 24.2 | 23.4 | 23.2 | 19.0 | 19.2 | 19.6 | 21.8 | 21.6 | 18.9 |
| Relative Humidity | Max | 86 | 75 | 66 | 71 | 77 | 77 | 78 | 82 | 78 | 78 | 77 | 69 | - |
| | Min | 34 | 31 | 25 | 41 | 43 | 33 | 27 | 35 | 36 | 37 | 34 | 28 | - |
| Soil Temperature at 10 cm | 06 UTC | 29.4 | 30.2 | 29.0 | 29.4 | 29.2 | 28.0 | 27.8 | 27.8 | 28.0 | 28.0 | 28.7 | 27.5 | 26.0 |
| | 12 UTC | 34.2 | 34.0 | 33.8 | 31.6 | 31.2 | 30.6 | 30.8 | 31.2 | 31.0 | 31.0 | 31.9 | 31.1 | 30.5 |
| Sunshine Duration | | 11.9 | 12.1 | 12.0 | 11.8 | 7.2 | 10.3 | 10.1 | 12.0 | 11.8 | 11.5 | 11.1 | 10.3 | 10.0 |
| Precipitation | | | | | | 0.7 | | | | | | 0.7 | | 6.6 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | 87.5 | 83.0 |
| Growing Degrees | 5 | 23.9 | 24.7 | 23.1 | 22.2 | 22.6 | 22.0 | 22.1 | 19.9 | 20.4 | 20.6 | 221.3 | 220.5 | 201.0 |
| | 10 | 18.9 | 19.7 | 18.1 | 17.2 | 17.6 | 17.0 | 17.1 | 14.9 | 15.4 | 15.6 | 171.3 | 170.5 | 151.0 |

| 2nd 10-day period (11-20/08/2019) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|-------|------------------------|--------------------------|
| Reference Evapotranspiration | 62.0 | 55.6 | 52.4 |
| Precipitation - Reference Evapotranspiration | -61.3 | -55.6 | -45.8 |
| Number of Rainy Days | 1.0 | 0.0 | 1.1 |
| Number of Dry Days | 22.0 | 17.0 | - |

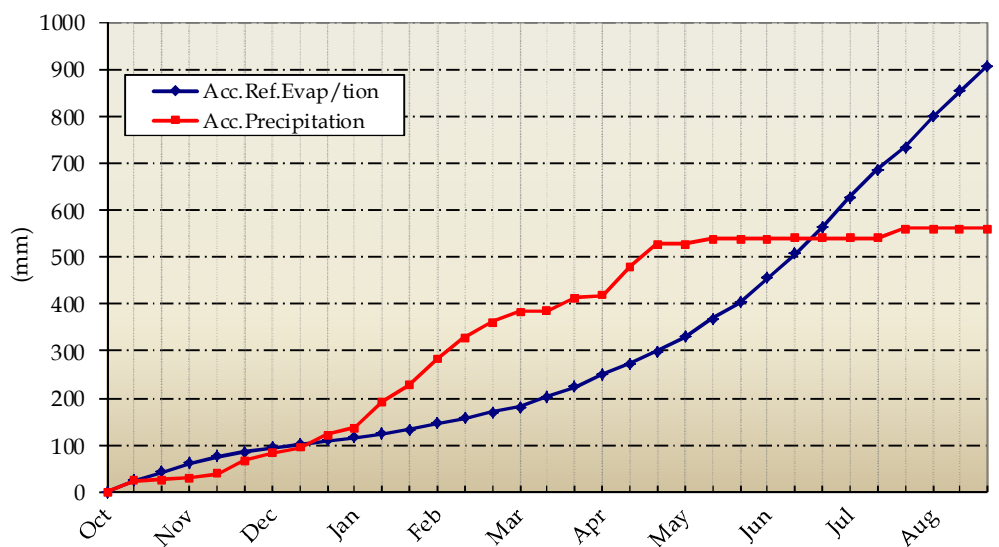
Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



| 2nd 10-day period (11-20/08/2019) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 32.8 | 31.0 | 32.2 | 35.0 | 33.9 | 32.1 | 30.0 | 29.6 | 30.0 | 29.4 | 31.6 | 31.2 | 31.8 |
| | Min | 24.8 | 23.2 | 22.5 | 20.3 | 17.8 | 20.2 | 20.8 | 16.4 | 16.5 | 16.8 | 19.9 | 19.8 | 18.4 |
| Relative Humidity | Max | 50 | 49 | 58 | 68 | 75 | 73 | 74 | 77 | 62 | 59 | 64 | 64 | - |
| | Min | 21 | 26 | 26 | 14 | 29 | 32 | 32 | 24 | 23 | 28 | 26 | 26 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sunshine Duration | | 12.2 | 12.5 | 9.3 | 12.4 | 9.8 | 10.9 | 12.2 | 12.1 | 12.3 | 13.0 | 11.7 | 11.6 | |
| Precipitation | | | | | | 0.0 | | | | | | 0.0 | | 3.4 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Growing Degrees | 5 | 23.8 | 22.1 | 22.4 | 22.7 | 20.9 | 21.2 | 20.4 | 18.0 | 18.3 | 18.1 | 207.7 | 204.9 | |
| | 10 | 18.8 | 17.1 | 17.4 | 17.7 | 15.9 | 16.2 | 15.4 | 13.0 | 13.3 | 13.1 | 157.7 | 154.9 | |

| 2nd 10-day period (11-20/08/2019) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|-------|------------------------|--------------------------|
| Reference Evapotranspiration | 54.4 | 56.0 | |
| Precipitation - Reference Evapotranspiration | -54.4 | -56.0 | 3.4 |
| Number of Rainy Days | 0.0 | 0.0 | 0.8 |
| Number of Dry Days | 34.0 | 20.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

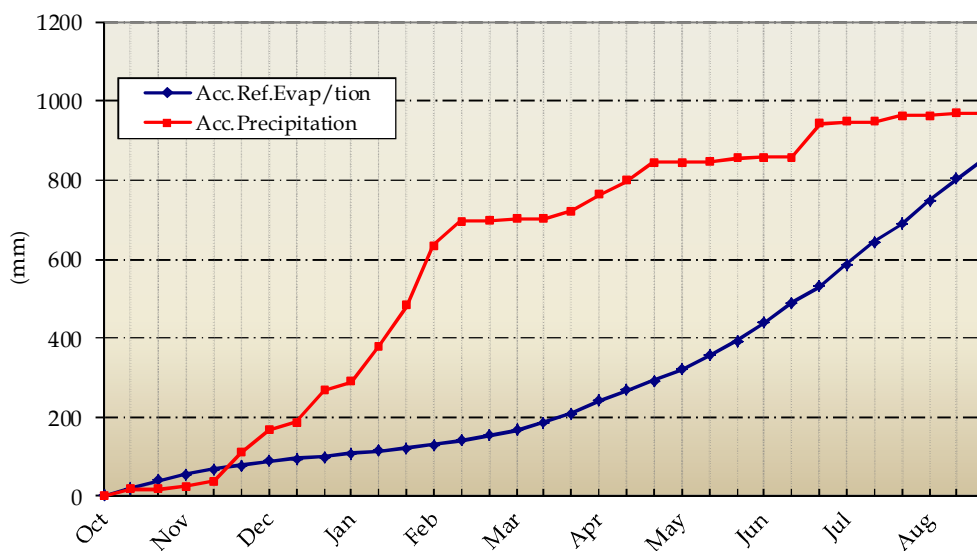


Tripoli

| 2nd 10-day period (11-20/08/2019) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 33.2 | 33.3 | 33.7 | 34.1 | 32.1 | 31.0 | 29.5 | 28.8 | 29.5 | 29.5 | 31.5 | 29.7 | 29.9 |
| | Min | 24.3 | 18.5 | 14.3 | 13.7 | 16.0 | 14.8 | 14.6 | 15.9 | 12.5 | 19.2 | 16.4 | 14.5 | 14.5 |
| Relative Humidity | Max | 49 | 46 | 79 | 86 | 88 | 96 | 95 | 97 | 86 | 54 | 78 | 91 | - |
| | Min | 19 | 10 | 19 | 16 | 27 | 25 | 35 | 25 | 25 | 19 | 22 | 28 | - |
| Soil Temperature at 10 cm | 06 UTC | - | 26.8 | 26.2 | 26.2 | - | 26.2 | - | - | 24.8 | 25.8 | 26.0 | 23.8 | 24.7 |
| | 12 UTC | - | 34.2 | 33.8 | 34.2 | - | 31.8 | - | - | 32.2 | 32.6 | 33.1 | 28.8 | 27.4 |
| Sunshine Duration | | 12.5 | 12.7 | 12.4 | 12.4 | 9.5 | 11.0 | 8.6 | 11.0 | 12.0 | 12.1 | 11.4 | 10.3 | 9.7 |
| Precipitation | | | | | | 0.0 | | 0.0 | 0.0 | | | 0.0 | 10.7 | 13.8 |
| Evaporation | | - | 10.8 | 7.7 | - | - | - | - | - | - | 6.3 | - | - | 56.3 |
| Growing Degrees | 5 | 23.8 | 20.9 | 19.0 | 18.9 | 19.1 | 17.9 | 17.1 | 17.4 | 16.0 | 19.4 | 189.3 | 170.9 | 172.3 |
| | 10 | 18.8 | 15.9 | 14.0 | 13.9 | 14.1 | 12.9 | 12.1 | 12.4 | 11.0 | 14.4 | 139.3 | 120.9 | 122.3 |

| 2nd 10-day period (11-20/08/2019) | | Previous Year Value | Past Years Mean Value |
|----------------------------------------------|-------|------------------------|--------------------------|
| Reference Evapotranspiration | 53.2 | 44.9 | 47.6 |
| Precipitation - Reference Evapotranspiration | -53.2 | -34.2 | -33.8 |
| Number of Rainy Days | 0.0 | 4.0 | 1.4 |
| Number of Dry Days | 15.0 | 10.0 | - |

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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ΥΠΗΡΕΣΙΑ

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