



AGROMETEOROLOGICAL BULLETIN

*July 2023
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



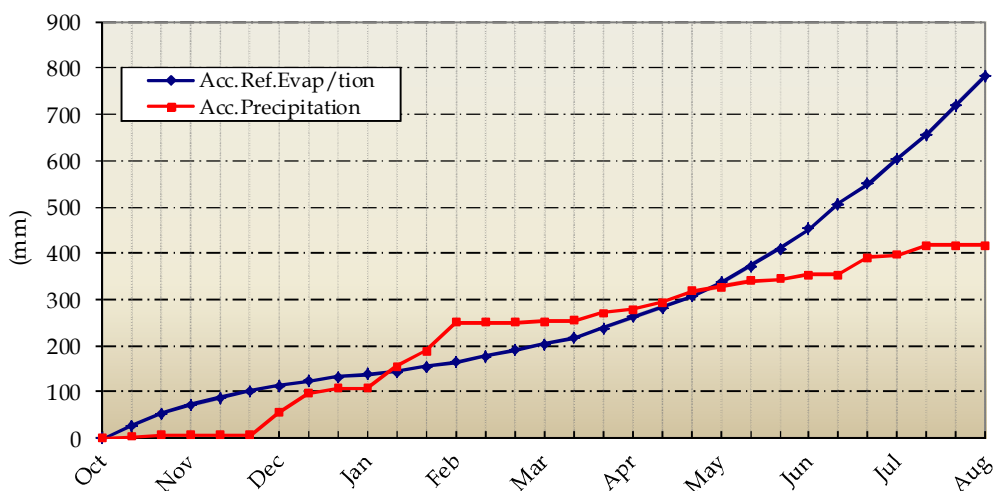
Hellenic National Meteorological Service
Division of Climatology-Applications
El. Venizelou Street 14, 16777
Helliniko, Athens

*Web addresses of HNMS
www.hnms.gr
www.emy.gov.gr
www.meteo.gov.gr
www.meteohellas.gr*

| 3rd 10-day period (21-31/07/2023) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 20 | 31 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 36.6 | 33.0 | 36.2 | 33.8 | 32.6 | 34.8 | 30.0 | 28.2 | 32.0 | 32.0 | 32.4 | 32.9 | 34.1 | 32.2 |
| | Min | 23.0 | 23.0 | 22.6 | 23.2 | 21.6 | 21.0 | 22.0 | 15.0 | 16.0 | 17.4 | 19.0 | 20.3 | 20.0 | 19.8 |
| Relative Humidity | Max | 72 | 83 | 76 | 81 | 84 | 82 | 80 | 83 | 83 | 82 | 91 | 82 | 76 | 77 |
| | Min | 30 | 43 | 32 | 40 | 42 | 42 | 36 | 30 | 38 | 32 | 31 | 36 | 30 | 35 |
| Soil Temperature at 10 cm | 06 UTC | 29.8 | 29.0 | 30.4 | 30.6 | 30.0 | 29.6 | 30.4 | 26.4 | 26.6 | 27.6 | 28.4 | 29.0 | 28.5 | 26.5 |
| | 12 UTC | 34.0 | 31.0 | 34.1 | 34.4 | 36.0 | 34.2 | 32.2 | 30.6 | 34.8 | 32.6 | 32.0 | 33.3 | 31.8 | 30.0 |
| Sunshine Duration | | 13.0 | 12.8 | 13.4 | 12.8 | 12.5 | 11.8 | 7.7 | 12.8 | 13.0 | 13.2 | 10.3 | 12.1 | 12.2 | 11.9 |
| Precipitation | | | | | | | | 0.0 | | | | | 0.0 | 0.0 | 7.0 |
| Evaporation | | 8.5 | 10.8 | 10.2 | 7.5 | 9.5 | 10.0 | 7.2 | 6.8 | 8.0 | 11.0 | 7.0 | 96.5 | 107.2 | 106.0 |
| Growing Degrees | 5 | 24.8 | 23.0 | 24.4 | 23.5 | 22.1 | 22.9 | 21.0 | 16.6 | 19.0 | 19.7 | 20.7 | 237.7 | 242.9 | 213.2 |
| | 10 | 19.8 | 18.0 | 19.4 | 18.5 | 17.1 | 17.9 | 16.0 | 11.6 | 14.0 | 14.7 | 15.7 | 182.7 | 187.9 | 162.3 |

| 3rd 10-day period (21-31/07/2023) | Previous Year Value | Past Years Mean Value |
|--|------------------------|--------------------------|
| Reference Evapotranspiration | 63.4 | 66.6 |
| Precipitation - Reference Evapotranspiration | -63.4 | -66.6 |
| Number of Rainy Days | 0.0 | 0.0 |
| Number of Dry Days | 23.0 | 35.0 |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



Agrometeorological Data

July 2023

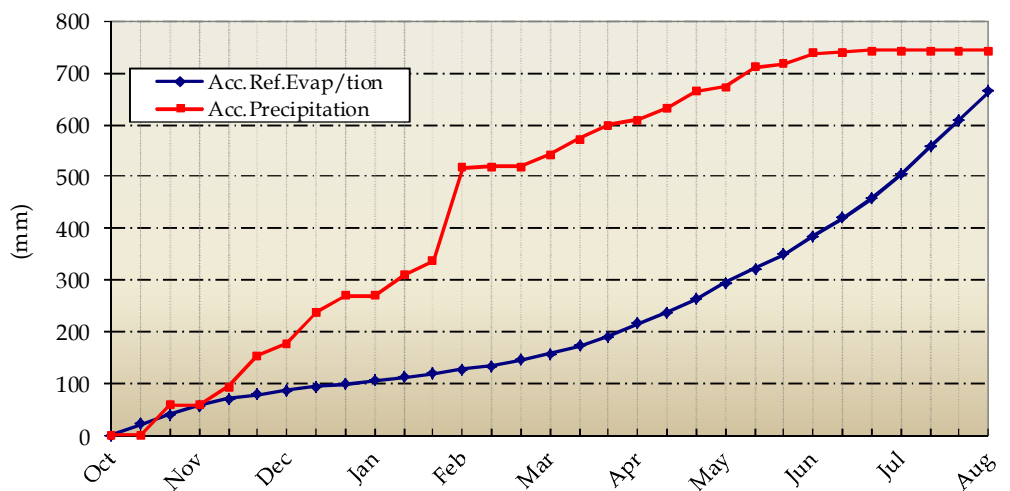
Andravida

| 3rd 10-day period (21-31/07/2023) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 20 | 31 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 37.8 | 38.4 | 37.6 | 37.4 | 36.7 | 37.0 | 31.6 | 31.9 | 31.1 | 32.6 | 34.0 | 35.1 | 34.0 | 31.2 |
| | Min | 20.6 | 21.5 | 21.0 | 21.0 | 22.5 | 20.1 | 23.7 | 20.0 | 17.5 | 18.6 | 20.4 | 20.6 | 19.8 | 19.3 |
| Relative Humidity | Max | 85 | 86 | 79 | 83 | 80 | 85 | 86 | 89 | 93 | 93 | 89 | 86 | 89 | 88 |
| | Min | 30 | 28 | 25 | 30 | 40 | 36 | 48 | 43 | 39 | 46 | 40 | 37 | 39 | 38 |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - | 28.5 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - | 34.0 |
| Sunshine Duration | | 12.4 | 12.5 | 12.7 | 11.5 | 12.3 | 8.5 | 11.3 | 12.8 | 13.0 | 12.9 | 12.9 | 12.1 | 12.8 | 12.3 |
| Precipitation | | | | | | | | | | | | | | | 1.5 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | - | 90.4 |
| Growing Degrees | 5 | 24.2 | 25.0 | 24.3 | 24.2 | 24.6 | 23.6 | 22.7 | 21.0 | 19.3 | 20.6 | 22.2 | 251.5 | 240.7 | 184.3 |
| | 10 | 19.2 | 20.0 | 19.3 | 19.2 | 19.6 | 18.6 | 17.7 | 16.0 | 14.3 | 15.6 | 17.2 | 196.5 | 185.7 | 138.8 |

| 3rd 10-day period (21-31/07/2023) | Previous Year Value | Past Years Mean Value |
|--|------------------------|--------------------------|
| Reference Evapotranspiration | 55.3 | 57.4 |
| Precipitation - Reference Evapotranspiration | -55.3 | -57.4 |
| Number of Rainy Days | 0.0 | 0.3 |
| Number of Dry Days | 44.0 | 51.0 |

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



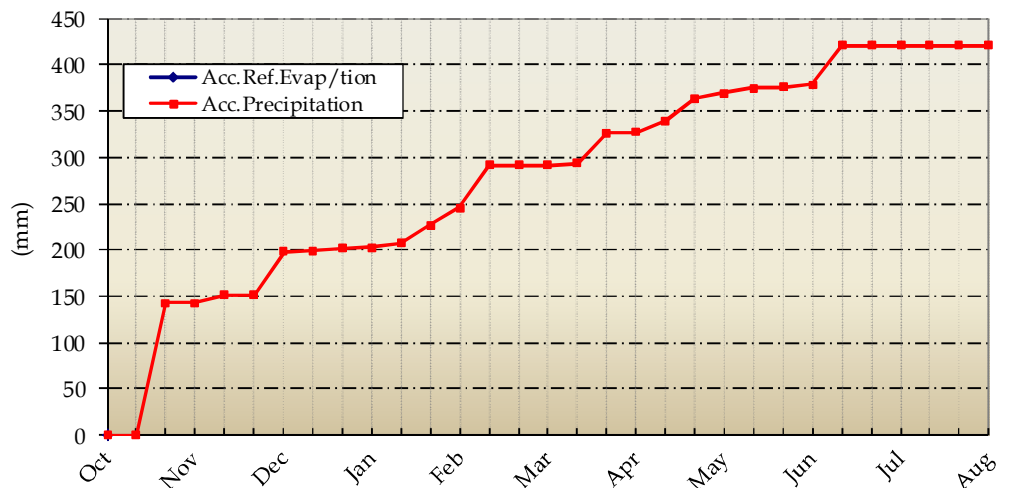
Iraklio

| 3rd 10-day period (21-31/07/2023) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 20 | 31 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 35.4 | 34.0 | 35.8 | 32.6 | 33.0 | 37.2 | 35.4 | 29.6 | 30.2 | 31.4 | 31.8 | 33.3 | 30.0 | 29.6 |
| | Min | 24.0 | 24.8 | 25.2 | 26.0 | 27.8 | 25.0 | 28.2 | 22.0 | 22.4 | 25.8 | 25.4 | 25.1 | 23.0 | 22.9 |
| Relative Humidity | Max | 64 | 76 | 60 | 72 | 70 | 68 | 83 | 78 | 73 | 67 | 65 | 71 | 76 | 78 |
| | Min | 37 | 43 | 40 | 45 | 45 | 28 | 30 | 49 | 42 | 45 | 47 | 41 | 49 | 52 |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sunshine Duration | | 12.2 | 12.6 | 12.2 | 12.5 | 12.1 | 13.1 | 12.3 | 12.5 | 12.4 | 12.9 | 13.0 | 12.5 | 12.8 | 12.4 |
| Precipitation | | | | | | | | | | | | | | | 0.2 |
| Evaporation | | 10.7 | 6.2 | 9.0 | 7.9 | 7.6 | 8.7 | 7.4 | 9.2 | 7.0 | 8.2 | 10.6 | 92.5 | 84.9 | 82.6 |
| Growing Degrees | 5 | 24.7 | 24.4 | 25.5 | 24.3 | 25.4 | 26.1 | 26.8 | 20.8 | 21.3 | 23.6 | 23.6 | 266.5 | 236.6 | 216.0 |
| | 10 | 19.7 | 19.4 | 20.5 | 19.3 | 20.4 | 21.1 | 21.8 | 15.8 | 16.3 | 18.6 | 18.6 | 211.5 | 181.6 | 165.4 |

| 3rd 10-day period (21-31/07/2023) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | - | - | |
| Precipitation - Reference Evapotranspiration | - | - | |
| Number of Rainy Days | 0.0 | 0.0 | 0.1 |
| Number of Dry Days | 42.0 | 49.0 | - |

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



Agrometeorological Data

July 2023

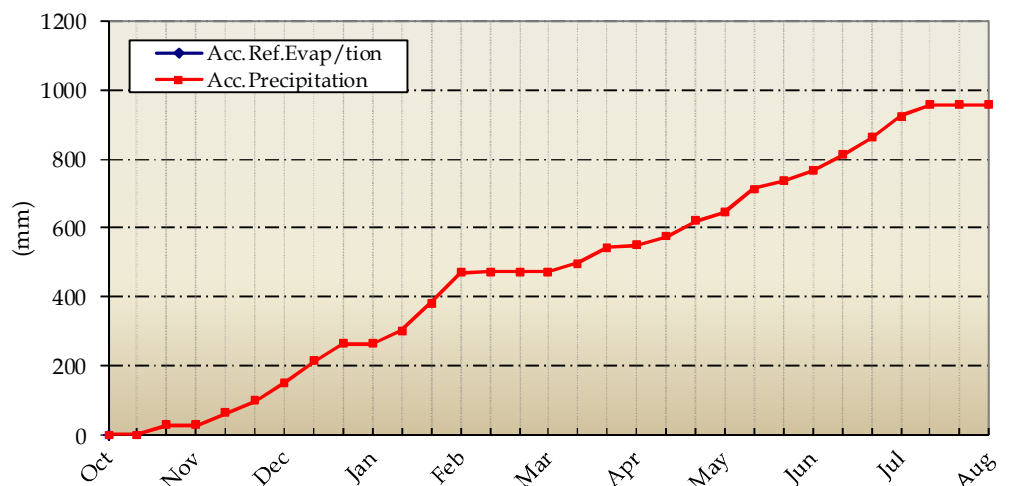
Ioannina

| 3rd 10-day period (21-31/07/2023) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 20 | 31 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 38.7 | 38.1 | 38.2 | 37.7 | 39.0 | 34.9 | 31.1 | 32.8 | 33.8 | 35.0 | 35.0 | 35.8 | 36.7 | 31.9 |
| | Min | 17.3 | 17.2 | 15.6 | 15.3 | 16.1 | 17.6 | 15.6 | 11.7 | 11.3 | 13.7 | 14.9 | 15.1 | 15.9 | 16.4 |
| Relative Humidity | Max | 94 | 96 | 93 | 96 | 97 | 95 | 100 | 100 | 95 | 97 | 94 | 96 | 88 | 88 |
| | Min | 30 | 17 | 20 | 26 | 12 | 36 | 21 | 28 | 20 | 18 | 23 | 23 | 22 | 32 |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - | 23.6 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - | 25.7 |
| Sunshine Duration | | 12.5 | 12.5 | 12.6 | 12.5 | 12.1 | 10.8 | 12.5 | 12.5 | 12.5 | 12.4 | 12.4 | 12.3 | 11.6 | 10.8 |
| Precipitation | | | | | | | | | | | | | | 6.8 | 10.2 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Growing Degrees | 5 | 23.0 | 22.7 | 21.9 | 21.5 | 22.6 | 21.3 | 18.4 | 17.3 | 17.6 | 19.4 | 20.0 | 225.3 | 234.7 | 175.4 |
| | 10 | 18.0 | 17.7 | 16.9 | 16.5 | 17.6 | 16.3 | 13.4 | 12.3 | 12.6 | 14.4 | 15.0 | 170.3 | 179.7 | 129.7 |

| 3rd 10-day period (21-31/07/2023) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | - | - | 49.3 |
| Precipitation - Reference Evapotranspiration | - | - | -39.1 |
| Number of Rainy Days | 0.0 | 1.0 | 1.5 |
| Number of Dry Days | 27.0 | 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



Agrometeorological Data

July 2023

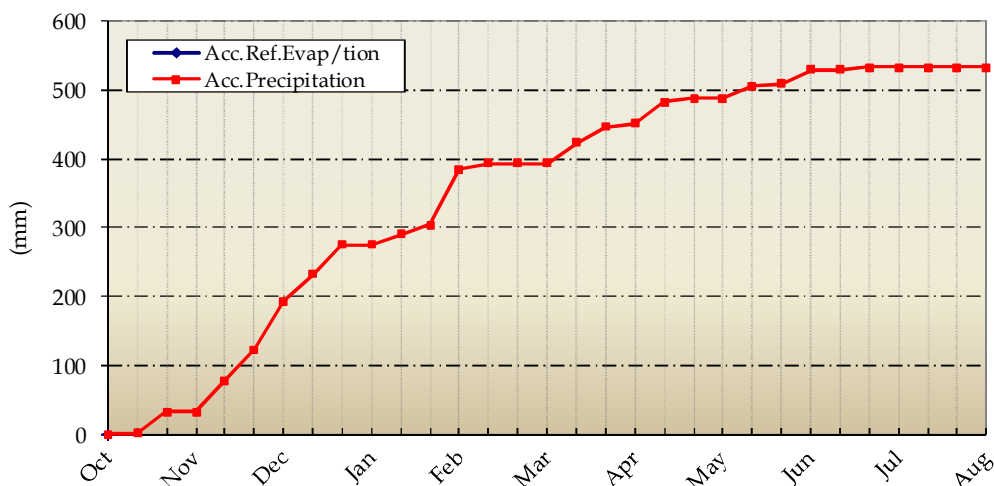
Kalamata

| 3rd 10-day period (21-31/07/2023) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 20 | 31 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 39.2 | 36.0 | 44.4 | 42.4 | 34.4 | 37.7 | 35.7 | 32.1 | 35.0 | 33.2 | 35.0 | 36.8 | 34.2 | 32.3 |
| | Min | 20.0 | 20.5 | 24.2 | 24.8 | 19.9 | 19.2 | 24.7 | 20.2 | 19.3 | 19.9 | 20.4 | 21.2 | 19.2 | 19.1 |
| Relative Humidity | Max | 82 | 72 | 55 | 82 | 92 | 84 | 74 | 86 | 87 | 81 | 87 | 80 | 90 | 85 |
| | Min | 21 | 28 | 14 | 16 | 44 | 21 | 31 | 44 | 26 | 36 | 33 | 29 | 33 | 34 |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - | 26.1 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - | 29.3 |
| Sunshine Duration | | 12.4 | 12.4 | 12.5 | 11.8 | 12.3 | 11.2 | 12.1 | 12.0 | 12.3 | 12.3 | 11.6 | 12.1 | 12.8 | 12.0 |
| Precipitation | | | | | | | | | | | | | | | 2.3 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | - | 78.9 |
| Growing Degrees | 5 | 24.6 | 23.3 | 29.3 | 28.6 | 22.2 | 23.5 | 25.2 | 21.2 | 22.2 | 21.6 | 22.7 | 264.1 | 238.8 | 201.3 |
| | 10 | 19.6 | 18.3 | 24.3 | 23.6 | 17.2 | 18.5 | 20.2 | 16.2 | 17.2 | 16.6 | 17.7 | 209.1 | 183.8 | 152.5 |

| 3rd 10-day period (21-31/07/2023) | Previous Year Value | Past Years Mean Value |
|--|------------------------|--------------------------|
| Reference Evapotranspiration | - | 39.1 |
| Precipitation - Reference Evapotranspiration | - | -36.8 |
| Number of Rainy Days | 0.0 | 0.3 |
| Number of Dry Days | 43.0 | 18.0 |

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

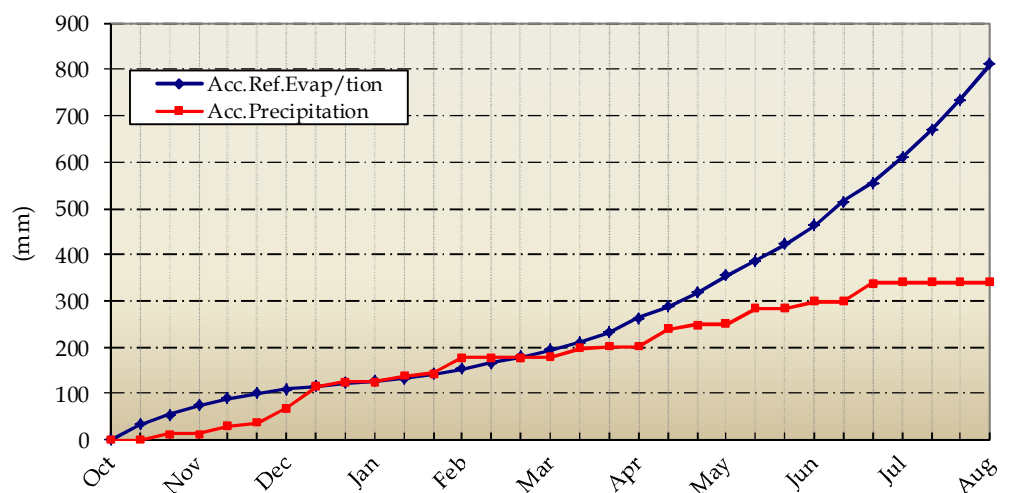


Larisa

| 3rd 10-day period (21-31/07/2023) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 38.6 | 43.4 | 42.6 | 38.0 | 40.0 | 43.6 | 35.8 | 33.0 | 34.6 | 36.8 | 36.0 | 38.4 | 36.2 | 33.9 |
| | Min | 21.8 | 21.4 | 22.8 | 23.2 | 21.6 | 20.2 | 24.4 | 16.6 | 18.8 | 18.0 | 18.2 | 20.6 | 19.7 | 19.2 |
| Relative Humidity | Max | 84 | 93 | 52 | 85 | 90 | 86 | 45 | 78 | 80 | 84 | 72 | 77 | 77 | 78 |
| | Min | 27 | 15 | 14 | 31 | 25 | 12 | 22 | 24 | 27 | 23 | 26 | 22 | 26 | 27 |
| Soil Temperature at 10 cm | 06 UTC | 31.6 | 32.0 | 32.2 | 32.4 | 32.2 | 31.6 | 31.2 | 30.4 | 30.2 | 30.2 | 30.2 | 31.3 | 28.1 | 27.9 |
| | 12 UTC | 34.0 | 33.2 | 33.6 | 33.4 | 33.8 | 32.6 | 32.0 | 32.2 | 33.0 | 32.0 | 31.0 | 32.8 | 29.7 | 29.6 |
| Sunshine Duration | | 10.4 | 10.6 | 10.9 | 10.1 | 7.2 | 9.0 | 10.6 | 10.9 | 10.7 | 10.5 | 12.2 | 10.3 | 10.8 | 11.1 |
| Precipitation | | | | | | | | | | | | | | | 6.7 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | 137.8 | 116.5 |
| Growing Degrees | 5 | 25.2 | 27.4 | 27.7 | 25.6 | 25.8 | 26.9 | 25.1 | 19.8 | 21.7 | 22.4 | 22.1 | 269.7 | 252.2 | 213.7 |
| | 10 | 20.2 | 22.4 | 22.7 | 20.6 | 20.8 | 21.9 | 20.1 | 14.8 | 16.7 | 17.4 | 17.1 | 214.7 | 197.2 | 164.2 |

| 3rd 10-day period (21-31/07/2023) | | Previous Year Value | Past Years Mean Value |
|--|-------|------------------------|--------------------------|
| Reference Evapotranspiration | 76.3 | 70.9 | 78.3 |
| Precipitation - Reference Evapotranspiration | -76.3 | -70.9 | -71.6 |
| Number of Rainy Days | 0.0 | 0.0 | 1.1 |
| Number of Dry Days | 35.0 | 18.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

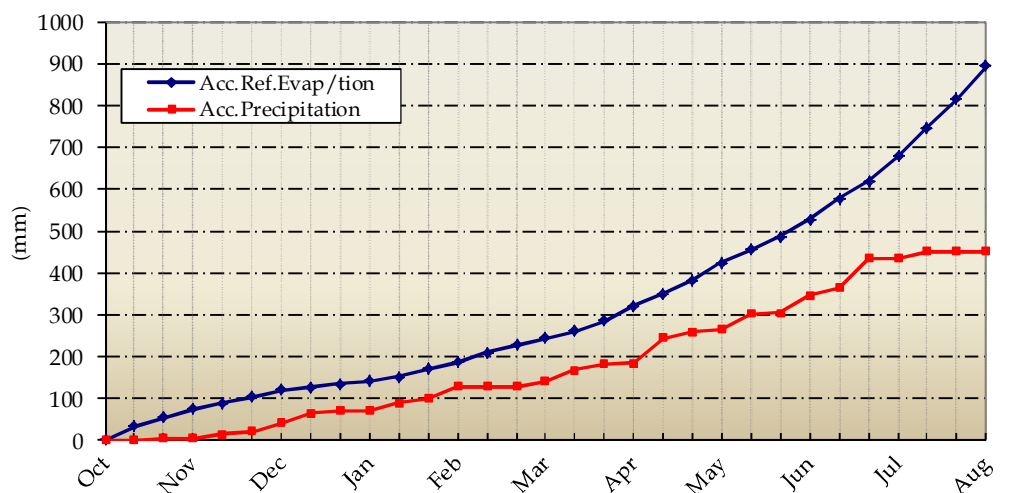


| 3rd 10-day period (21-31/07/2023) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 20 | 31 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 36.5 | 36.5 | 39.3 | 34.8 | 35.8 | 34.8 | 33.0 | 29.7 | 32.6 | 33.6 | 33.6 | 34.6 | 34.7 | 32.6 |
| | Min | 22.9 | 23.8 | 22.9 | 24.2 | 22.6 | 22.4 | 25.0 | 18.0 | 19.0 | 20.3 | 20.8 | 22.0 | 22.4 | 21.3 |
| Relative Humidity | Max | 72 | 76 | 79 | 68 | 73 | 72 | 58 | 81 | 82 | 83 | 79 | 75 | 78 | 74 |
| | Min | 34 | 42 | 21 | 39 | 40 | 40 | 30 | 35 | 33 | 34 | 39 | 35 | 34 | 32 |
| Soil Temperature at 10 cm | 06 UTC | 28.4 | 27.6 | 27.4 | 30.0 | 28.6 | 28.4 | 28.0 | 26.2 | 27.0 | 27.0 | 27.0 | 27.8 | 27.9 | 28.5 |
| | 12 UTC | 30.4 | 31.8 | 34.8 | 32.0 | 31.0 | 31.0 | 31.5 | 28.6 | 28.6 | 29.2 | 32.0 | 31.0 | 31.1 | 33.6 |
| Sunshine Duration | | 12.9 | 12.8 | 12.6 | 13.0 | 12.4 | 9.8 | 13.0 | 13.1 | 12.9 | 12.6 | 12.5 | 12.5 | 12.6 | 11.5 |
| Precipitation | | | | | | | | | | | | | | 0.0 | 5.7 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | - | 106.4 |
| Growing Degrees | 5 | 24.7 | 25.2 | 26.1 | 24.5 | 24.2 | 23.6 | 24.0 | 18.9 | 20.8 | 22.0 | 22.2 | 256.1 | 258.7 | 217.8 |
| | 10 | 19.7 | 20.2 | 21.1 | 19.5 | 19.2 | 18.6 | 19.0 | 13.9 | 15.8 | 17.0 | 17.2 | 201.1 | 203.7 | 168.1 |

| 3rd 10-day period (21-31/07/2023) | | Previous Year Value | Past Years Mean Value |
|--|-------|------------------------|--------------------------|
| Reference Evapotranspiration | 79.5 | 75.7 | 58.4 |
| Precipitation - Reference Evapotranspiration | -79.5 | -75.7 | -52.7 |
| Number of Rainy Days | 0.0 | 0.0 | 1.3 |
| Number of Dry Days | 26.0 | 22.0 | - |

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



Agrometeorological Data

July 2023

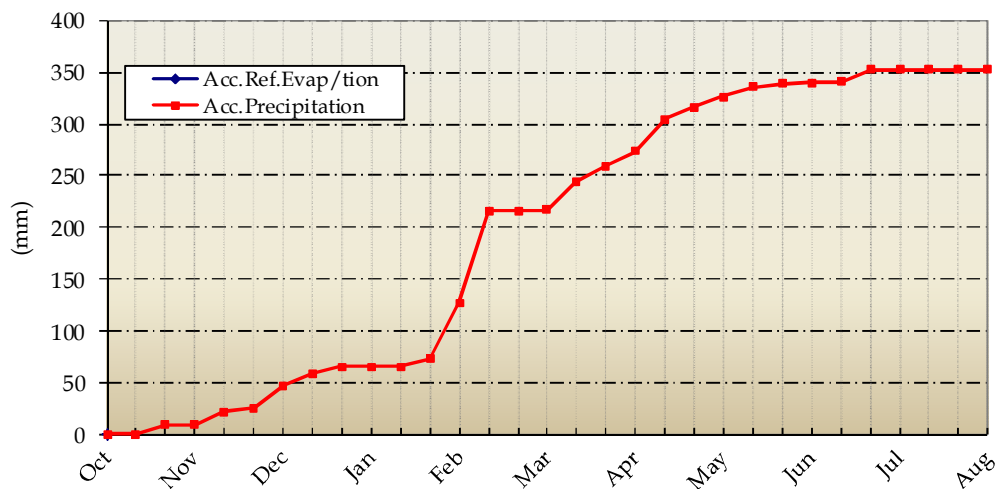
Tanagra

| 3rd 10-day period (21-31/07/2023) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 20 | 31 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 38.3 | 41.8 | 43.6 | 35.6 | 38.4 | 44.5 | 33.8 | 31.2 | 33.1 | 34.7 | 34.2 | 37.2 | 34.4 | 32.7 |
| | Min | 23.7 | 23.8 | 25.7 | 22.2 | 20.6 | 22.1 | 27.0 | 20.4 | 19.9 | 19.5 | 20.7 | 22.3 | 20.2 | 20.0 |
| Relative Humidity | Max | 52 | 51 | 43 | 61 | 59 | 53 | 41 | 60 | 63 | 60 | 60 | 55 | 59 | 68 |
| | Min | 19 | 12 | 9 | 12 | 15 | 8 | 18 | 26 | 25 | 18 | 21 | 17 | 20 | 25 |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sunshine Duration | | 12.7 | 12.3 | 12.5 | 12.5 | 12.6 | 9.9 | 13.0 | 11.9 | 12.9 | 12.2 | 12.0 | 12.2 | 13.0 | 12.3 |
| Precipitation | | | | | | | | | | | | | | | 4.8 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | - | 103.7 |
| Growing Degrees | 5 | 26.0 | 27.8 | 29.7 | 23.9 | 24.5 | 28.3 | 25.4 | 20.8 | 21.5 | 22.1 | 22.5 | 272.4 | 245.8 | 201.8 |
| | 10 | 21.0 | 22.8 | 24.7 | 18.9 | 19.5 | 23.3 | 20.4 | 15.8 | 16.5 | 17.1 | 17.5 | 217.4 | 190.8 | 154.6 |

| 3rd 10-day period (21-31/07/2023) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | - | - | |
| Precipitation - Reference Evapotranspiration | - | - | |
| Number of Rainy Days | 0.0 | 0.0 | 0.4 |
| Number of Dry Days | 43.0 | 21.0 | - |

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



Agrometeorological Data

July 2023

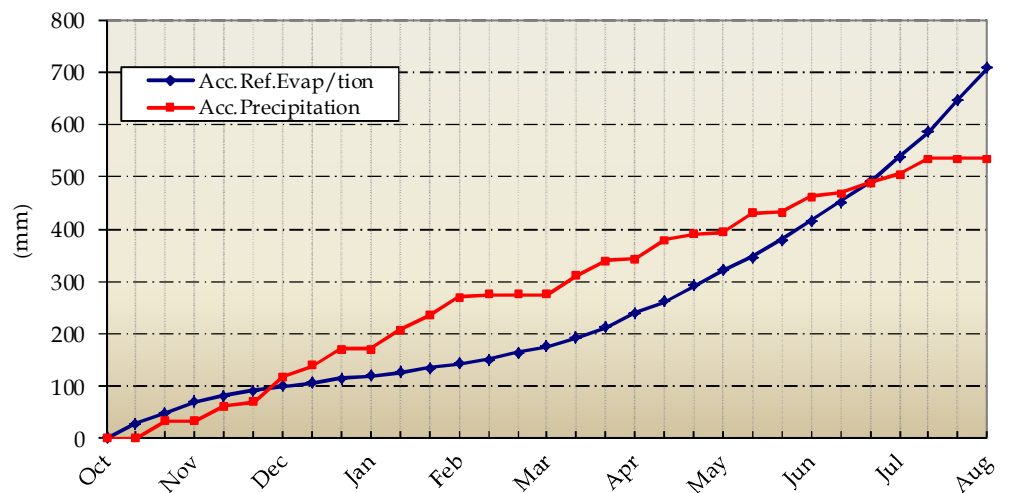
Tripoli

| 3rd 10-day period (21-31/07/2023) | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 20 | 31 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 38.2 | 39.6 | 40.0 | 37.3 | 40.5 | 39.3 | 34.8 | 31.3 | 33.4 | 34.4 | 34.1 | 36.6 | 34.3 | 31.6 |
| | Min | 16.2 | 15.3 | 16.9 | 16.8 | 16.6 | 16.4 | 19.9 | 16.3 | 13.3 | 14.4 | 15.6 | 16.2 | 15.3 | 14.9 |
| Relative Humidity | Max | 89 | 84 | 71 | 73 | 86 | 77 | 87 | 93 | 92 | 90 | 86 | 84 | 77 | 80 |
| | Min | 14 | 11 | 10 | 13 | 10 | 10 | 11 | 33 | 24 | 16 | 19 | 16 | 17 | 24 |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - | 26.0 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - | 30.4 |
| Sunshine Duration | | 13.0 | 13.0 | 13.2 | 13.0 | 12.4 | 10.7 | 13.0 | 11.9 | 11.7 | 10.4 | 7.8 | 11.8 | 11.4 | 11.4 |
| Precipitation | | | | | | | | | | | | | | | 6.7 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | - | 77.8 |
| Growing Degrees | 5 | 22.2 | 22.5 | 23.5 | 22.1 | 23.6 | 22.9 | 22.4 | 18.8 | 18.4 | 19.4 | 19.9 | 235.3 | 217.8 | 158.1 |
| | 10 | 17.2 | 17.5 | 18.5 | 17.1 | 18.6 | 17.9 | 17.4 | 13.8 | 13.4 | 14.4 | 14.9 | 180.3 | 162.8 | 114.6 |

| 3rd 10-day period (21-31/07/2023) | | Previous Year Value | Past Years Mean Value |
|--|-------|------------------------|--------------------------|
| Reference Evapotranspiration | 61.6 | 60.8 | 36.1 |
| Precipitation - Reference Evapotranspiration | -61.6 | -60.8 | -29.4 |
| Number of Rainy Days | 0.0 | 0.0 | 1.0 |
| Number of Dry Days | 26.0 | 18.0 | |

The missing info in the tables 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.

Past Years Mean Values 1991-2020 (Evaporation, Reference Evapotranspiration, Max and Min Relative Humidity 2005-2020)

UTC (Universal Time coordinates) in Greece

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

Mesurements Units

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

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**ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ**

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