



AGROMETEOROLOGICAL BULLETIN

September 2025
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



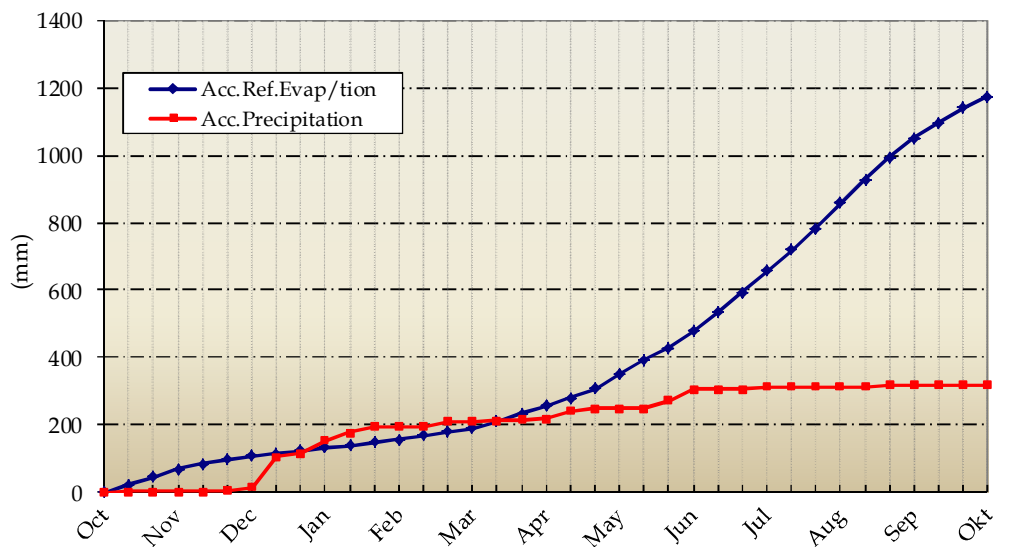
Hellenic National Meteorological Service
Division of Climatology-Applications
El. Venizelou Street 14, 16777
Helliniko, Athens

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

3rd 10-day period (21-30/09/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	28.8	29.8	28.0	28.8	28.2	24.0	23.6	23.0	21.0	23.4	25.9	26.5	24.9
	Min	18.6	18.6	14.6	11.2	17.0	18.2	16.0	14.6	14.6	13.0	15.6	13.7	13.9
Relative Humidity	Max	72	76	85	86	82	80	66	85	89	81	80	85	85
	Min	35	36	50	42	44	44	34	40	57	42	42	48	45
Soil Temperature at 10 cm	06 UTC	24.4	24.4	24.6	23.4	24.2	24.0	21.6	21.6	21.4	20.5	23.0	21.5	20.1
	12 UTC	29.2	29.0	30.2	29.7	30.4	27.6	26.8	25.2	22.6	25.0	27.6	26.0	23.1
Sunshine Duration		10.6	10.6	10.6	10.6	9.4	7.9	9.3	3.9	3.1	8.8	8.5	8.0	7.3
Precipitation									0.0	0.6		0.6	22.1	17.6
Evaporation		7.2	6.3	5.0	4.0	8.0	10.3	5.8	4.5	3.5	3.1	57.7	46.8	50.9
Growing Degrees	5	18.7	19.2	16.3	15.0	17.6	16.1	14.8	13.8	12.8	13.2	157.5	151.1	128.6
	10	13.7	14.2	11.3	10.0	12.6	11.1	9.8	8.8	7.8	8.2	107.5	101.1	83.8

3rd 10-day period (21-30/09/2025)	Previous Year Value	Past Years Mean Value	
Reference Evapotranspiration	35.4	27.8	27.7
Precipitation - Reference Evapotranspiration	-34.8	-5.7	-10.1
Number of Rainy Days	1.0	2.0	1.6
Number of Dry Days	40.0	16.0	-

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

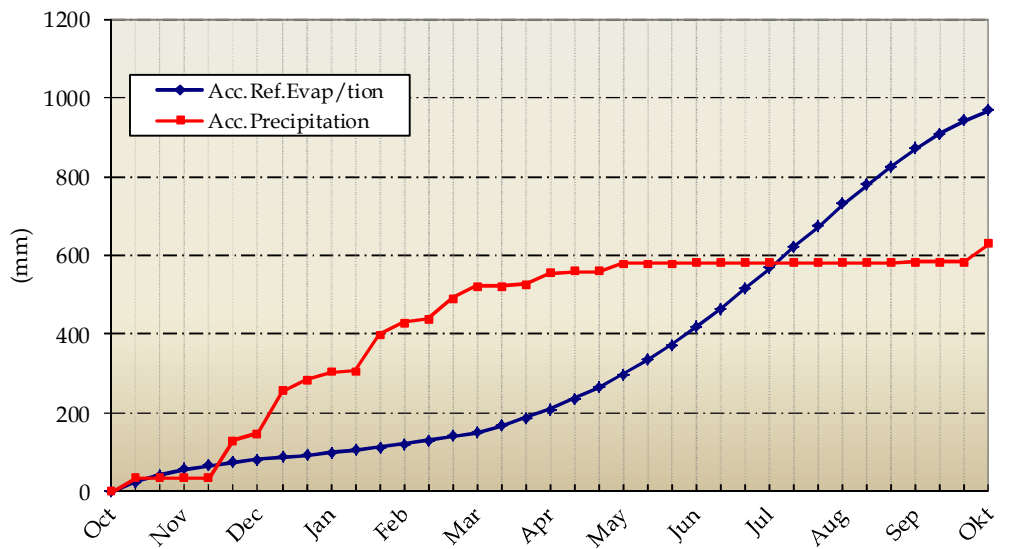


3rd 10-day period (21-30/09/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	31.3	29.6	28.0	28.6	29.8	30.8	26.6	18.5	24.2	26.1	27.4	27.4	26.5
	Min	13.4	17.1	17.8	18.2	18.9	17.5	15.8	17.8	17.3	16.4	17.0	17.1	16.1
Relative Humidity	Max	87	93	95	97	98	98	100	100	100	94	96	93	90
	Min	33	38	49	37	49	35	42	92	57	49	48	48	42
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	22.2
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	26.5
Sunshine Duration		11.0	10.8	10.2	10.4	10.4	7.5	3.4	0.0	8.4	10.1	8.2	9.8	7.8
Precipitation									36.7	9.5		46.2		16.1
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	54.0
Growing Degrees	5	17.4	18.4	17.9	18.4	19.4	19.2	16.2	13.2	15.8	16.3	171.9	172.4	135.8
	10	12.4	13.4	12.9	13.4	14.4	14.2	11.2	8.2	10.8	11.3	121.9	122.4	94.1

3rd 10-day period (21-30/09/2025)	Previous Year Value	Past Years Mean Value	
Reference Evapotranspiration	26.0	28.2	28.8
Precipitation - Reference Evapotranspiration	20.2	-28.2	-12.7
Number of Rainy Days	2.0	0.0	1.8
Number of Dry Days	27.0	11.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



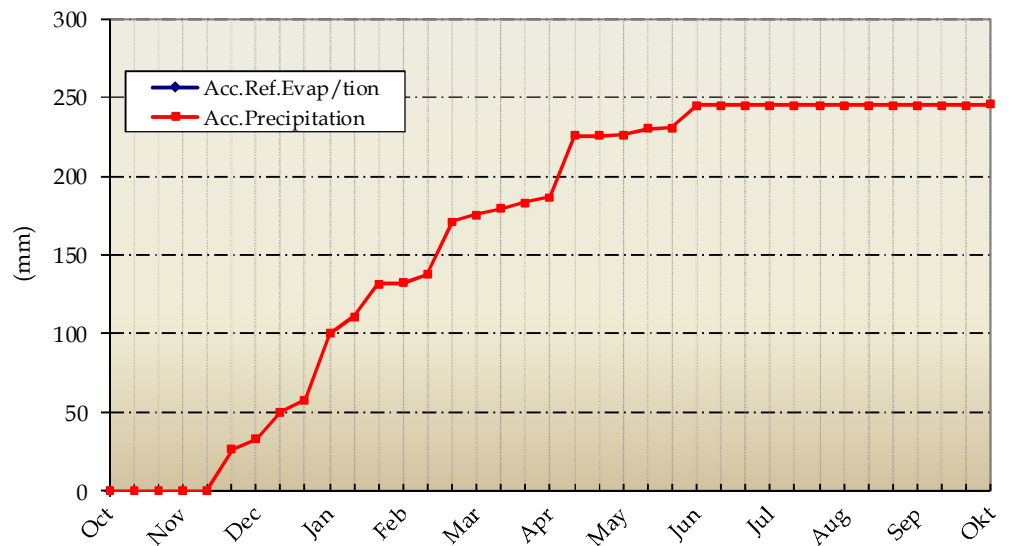
Iraklio

3rd 10-day period (21-30/09/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	25.6	26.6	25.6	27.0	28.0	25.4	24.6	24.8	29.4	25.2	26.2	27.2	26.4
	Min	22.2	14.4	17.8	17.4	17.6	22.6	22.0	19.6	20.4	19.8	19.4	20.2	19.4
Relative Humidity	Max	80	90	92	90	85	83	74	76	91	91	85	85	84
	Min	59	56	67	55	24	63	54	54	50	57	54	58	57
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-
Sunshine Duration		9.5	10.4	9.9	10.7	10.5	7.2	8.3	10.0	9.1	9.7	9.5	10.1	8.0
Precipitation										0.6		0.6	0.5	4.1
Evaporation		5.1	5.2	1.1	5.6	4.3	3.4	7.6	2.8	5.2	2.4	42.7	44.6	46.0
Growing Degrees	5	18.9	15.5	16.7	17.2	17.8	19.0	18.3	17.2	19.9	17.5	178.0	187.2	173.8
	10	13.9	10.5	11.7	12.2	12.8	14.0	13.3	12.2	14.9	12.5	128.0	137.2	125.3

3rd 10-day period (21-30/09/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	-	-	-
Precipitation - Reference Evapotranspiration	-	-	-
Number of Rainy Days	1.0	1.0	1.0
Number of Dry Days	120.0	11.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

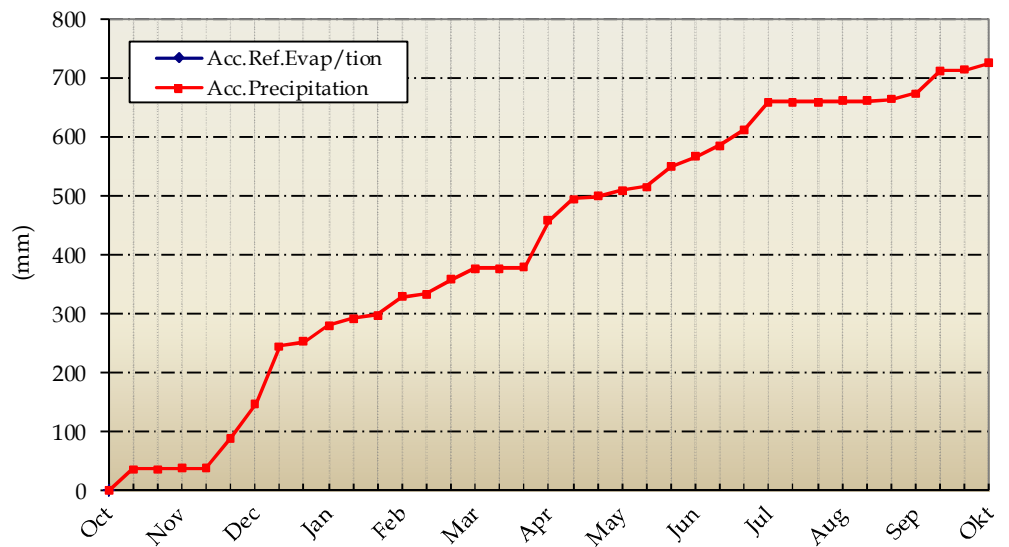


3rd 10-day period (21-30/09/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	31.5	30.3	29.2	28.5	29.4	27.2	24.2	19.8	22.7	24.2	26.7	25.1	24.0
	Min	22.0	8.7	9.8	10.2	13.1	13.5	14.6	14.3	11.6	8.2	12.6	11.0	11.3
Relative Humidity	Max	84	100	100	100	100	100	100	100	100	100	98	100	95
	Min	23	25	31	33	40	40	45	54	42	31	36	41	47
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	17.7
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	18.7
Sunshine Duration		10.7	10.9	11.7	9.0	7.5	4.1	4.1	0.0	4.5	7.4	7.0	7.6	5.8
Precipitation						0.1	8.5	1.2	1.9	0.1		11.8	2.4	28.0
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	
Growing Degrees	5	21.8	14.5	14.5	14.4	16.3	15.4	14.4	12.1	12.2	11.2	146.5	130.4	103.9
	10	16.8	9.5	9.5	9.4	11.3	10.4	9.4	7.1	7.2	6.2	96.5	80.4	62.6

3rd 10-day period (21-30/09/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	-	-	29.4
Precipitation - Reference Evapotranspiration	-	-	-1.4
Number of Rainy Days	5.0	3.0	2.4
Number of Dry Days	13.0	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

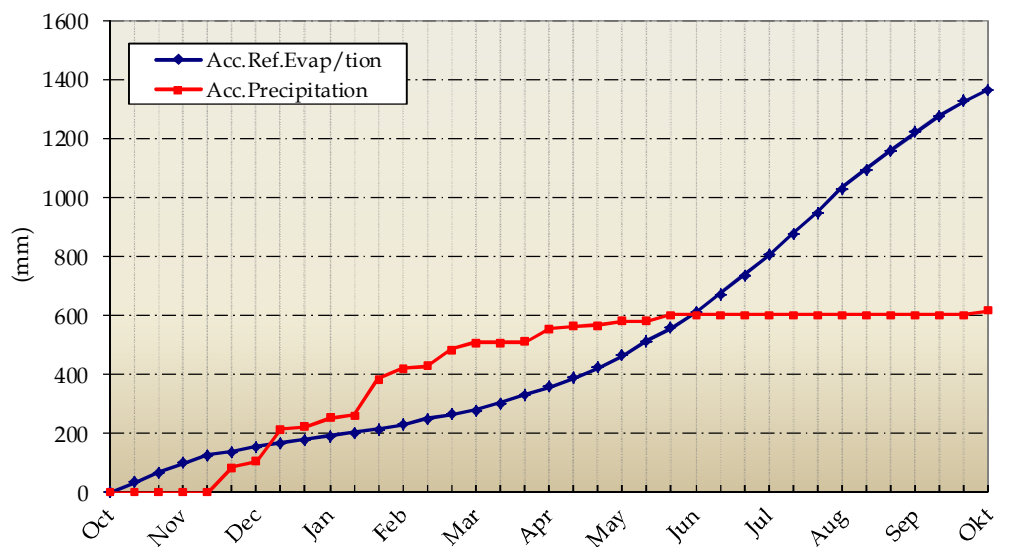


3rd 10-day period (21-30/09/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	29.7	28.2	27.9	30.5	31.5	32.6	28.7	25.9	27.6	28.8	29.1	29.8	27.3
	Min	16.1	14.3	16.3	16.7	17.4	19.2	16.3	16.8	18.2	14.1	16.5	16.8	15.6
Relative Humidity	Max	78	84	92	92	91	93	93	96	96	94	91	88	90
	Min	30	42	51	43	33	50	39	65	36	32	42	34	42
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	21.8
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	24.0
Sunshine Duration		11.0	10.5	9.7	10.5	9.6	4.9	4.7	0.6	8.8	9.8	8.0	9.2	8.0
Precipitation							0.2		8.9	4.2		13.3	0.1	17.1
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	50.4
Growing Degrees	5	17.9	16.3	17.1	18.6	19.5	20.9	17.5	16.4	17.9	16.5	178.4	183.2	148.9
	10	12.9	11.3	12.1	13.6	14.5	15.9	12.5	11.4	12.9	11.5	128.4	133.2	103.5

3rd 10-day period (21-30/09/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	38.5	42.1	27.7
Precipitation - Reference Evapotranspiration	-25.2	-42.0	-10.6
Number of Rainy Days	3.0	1.0	2.1
Number of Dry Days	50.0	0.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



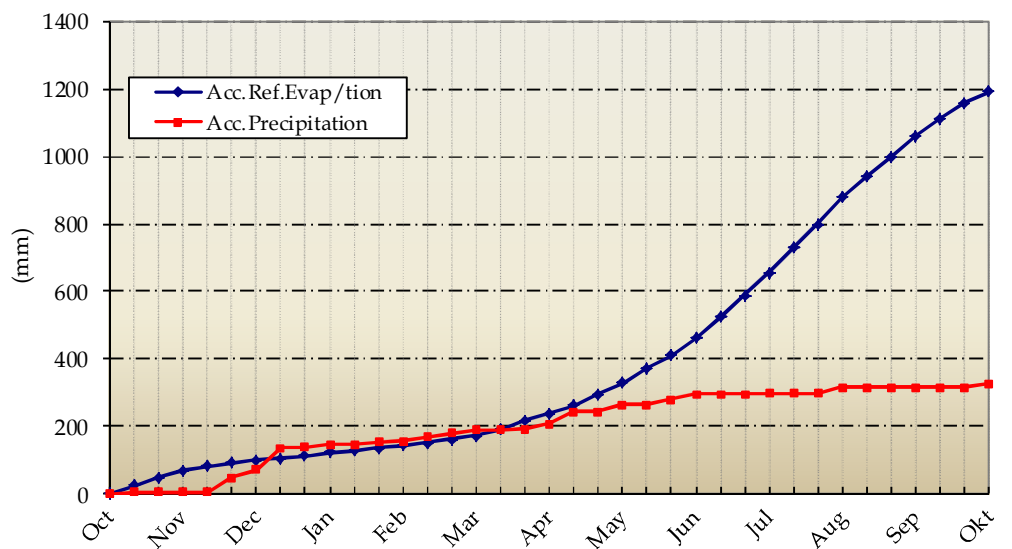
Larisa

3rd 10-day period (21-30/09/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	29.2	29.0	30.6	32.2	28.2	24.3	23.8	19.2	23.4	26.4	26.6	29.2	26.6
	Min	11.9	13.2	10.6	12.0	13.6	18.2	17.8	14.2	14.0	14.6	14.0	13.6	13.5
Relative Humidity	Max	74	80	87	89	77	100	83	100	100	100	89	97	90
	Min	28	30	26	21	45	54	42	68	50	35	40	25	40
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	21.5
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	22.8
Sunshine Duration		10.3	9.7	10.4	10.1	8.3	1.7	1.2	0.0	5.2	7.4	6.4	8.4	5.3
Precipitation							0.7		2.7	5.8		9.2		15.6
Evaporation		-	-	-	-	-	-	-	-	-	-	-	26.2	52.5
Growing Degrees	5	15.6	16.1	15.6	17.1	15.9	16.3	15.8	11.7	13.7	15.5	153.2	164.0	135.5
	10	10.6	11.1	10.6	12.1	10.9	11.3	10.8	6.7	8.7	10.5	103.2	114.0	90.3

3rd 10-day period (21-30/09/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	32.6	31.6	31.5
Precipitation - Reference Evapotranspiration	-23.4	-31.6	-15.9
Number of Rainy Days	3.0	0.0	2.4
Number of Dry Days	50.0	11.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



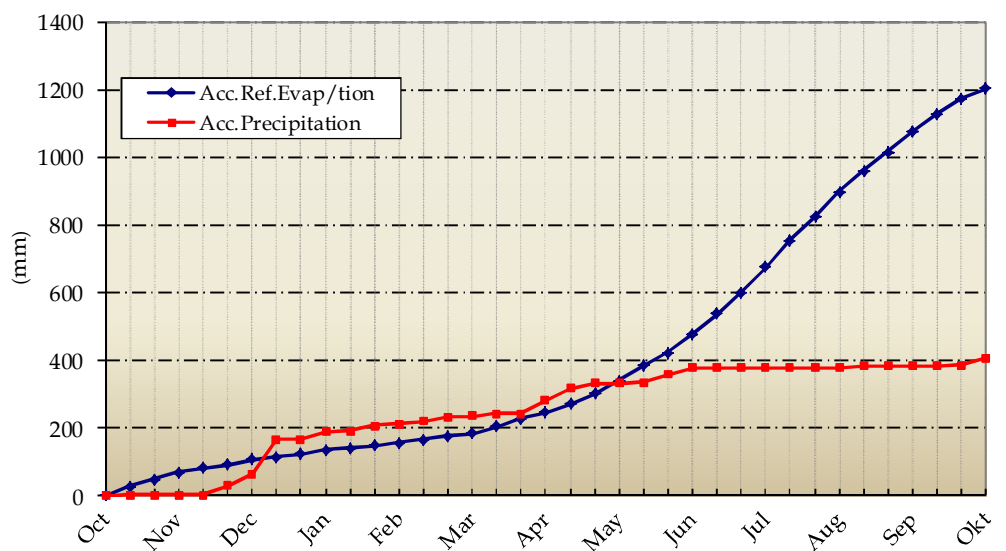
Mikra

3rd 10-day period (21-30/09/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	28.2	27.7	29.2	29.0	27.4	24.6	23.0	20.8	22.6	24.6	25.7	27.6	25.4
	Min	15.6	16.9	14.9	14.9	16.3	19.0	17.4	14.4	14.3	14.6	15.8	15.7	15.3
Relative Humidity	Max	68	76	91	94	94	94	67	100	100	100	88	86	81
	Min	28	45	35	39	52	45	44	47	50	35	42	39	41
Soil Temperature at 10 cm	06 UTC	22.8	24.2	22.0	24.0	24.0	25.2	24.4	23.0	21.8	20.6	23.2	20.8	20.9
	12 UTC	26.8	27.8	29.4	28.4	29.0	26.0	24.6	23.0	25.0	26.0	26.6	24.5	24.4
Sunshine Duration		10.9	10.4	11.4	12.0	8.6	0.4	0.4	0.1	6.9	10.0	7.1	8.3	6.9
Precipitation									0.4	1.9	18.5	20.8	3.9	17.1
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	57.5
Growing Degrees	5	16.9	17.3	17.1	17.0	16.9	16.8	15.2	12.6	13.5	14.6	157.7	166.2	144.9
	10	11.9	12.3	12.1	12.0	11.9	11.8	10.2	7.6	8.5	9.6	107.7	116.2	97.7

3rd 10-day period (21-30/09/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	29.8	41.7	26.9
Precipitation - Reference Evapotranspiration	-9.0	-37.8	-9.8
Number of Rainy Days	3.0	1.0	1.6
Number of Dry Days	12.0	0.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



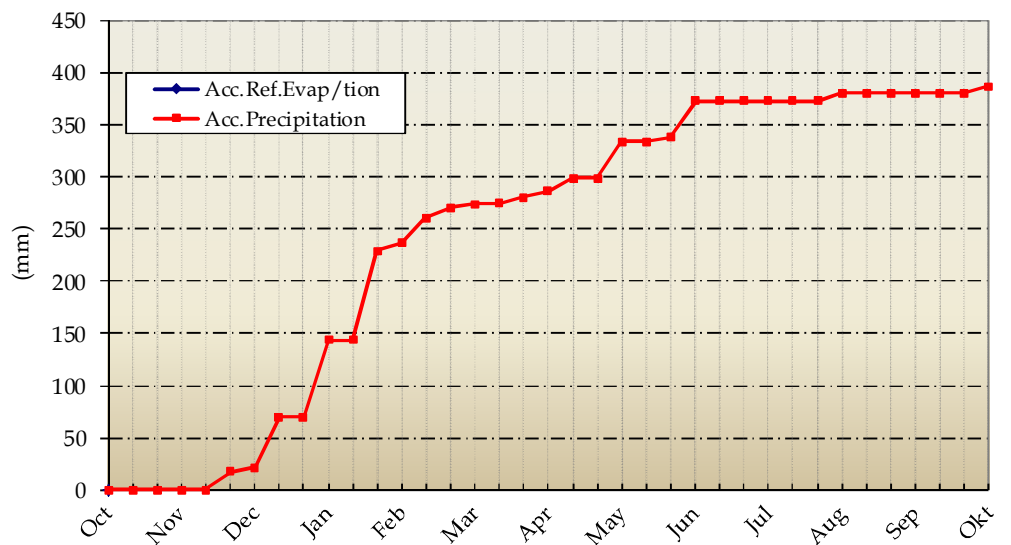
Tanagra

3rd 10-day period (21-30/09/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	26.2	27.8	28.6	30.0	28.4	25.1	22.6	19.8	20.4	24.0	25.3	28.5	26.2
	Min	18.6	16.2	13.3	14.6	14.7	16.0	18.4	14.4	13.8	12.8	15.3	15.8	15.1
Relative Humidity	Max	67	71	78	88	80	77	66	94	96	97	81	77	85
	Min	32	29	31	23	32	38	36	45	60	42	37	25	38
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-
Sunshine Duration		11.0	10.8	10.5	10.5	9.6	8.9	9.0	0.0	2.2	7.6	8.0	9.8	7.1
Precipitation									0.2	6.1		6.3	1.1	10.5
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	52.6
Growing Degrees	5	17.4	17.0	16.0	17.3	16.6	15.6	15.5	12.1	12.1	13.4	152.9	171.5	135.9
	10	12.4	12.0	11.0	12.3	11.6	10.6	10.5	7.1	7.1	8.4	102.9	121.5	92.2

3rd 10-day period (21-30/09/2025)	Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	-	-
Precipitation - Reference Evapotranspiration	-	-
Number of Rainy Days	2.0	1.6
Number of Dry Days	57.0	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



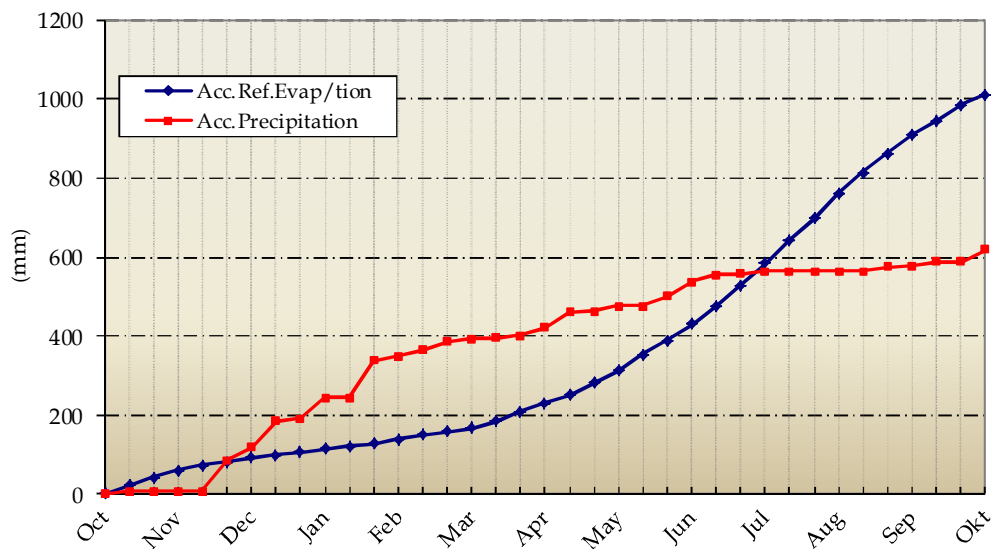
Tripoli

3rd 10-day period (21-30/09/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	28.0	27.5	27.4	28.8	29.3	26.1	22.9	14.3	24.0	23.5	25.2	26.5	24.3
	Min	17.0	8.8	8.7	8.8	9.6	11.3	10.0	12.3	13.6	7.9	10.8	10.4	10.1
Relative Humidity	Max	100	90	94	97	94	94	93	96	97	97	95	95	92
	Min	21	25	17	15	15	35	42	89	32	30	32	23	40
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	18.7
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	21.6
Sunshine Duration		10.4	10.5	10.0	9.6	6.8	6.8	5.4	0.0	7.1	7.5	7.4	8.6	7.0
Precipitation				0.0					22.4	7.6		30.0	6.0	9.5
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	25.5
Growing Degrees	5	17.5	13.2	13.1	13.8	14.5	13.7	11.5	8.3	13.8	10.7	129.9	134.2	89.9
	10	12.5	8.2	8.1	8.8	9.5	8.7	6.5	3.3	8.8	5.7	79.9	84.2	52.8

3rd 10-day period (21-30/09/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	26.8	-	14.8
Precipitation - Reference Evapotranspiration	3.2	-	-5.3
Number of Rainy Days	2.0	1.0	1.7
Number of Dry Days	12.0	0.0	-

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 E_{To} (mm):

Calculated by the FAO Penman-Montieth equation

$$E_{T_0} = \frac{0.408 * \Delta * (R_n - G) + \gamma * \frac{900}{T + 273} * u_2 * (e_s - e_a)}{\Delta + \gamma * (1 + 0.34 * u_2)}$$

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)

Mesurements 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