



AGROMETEOROLOGICAL BULLETIN

*June 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



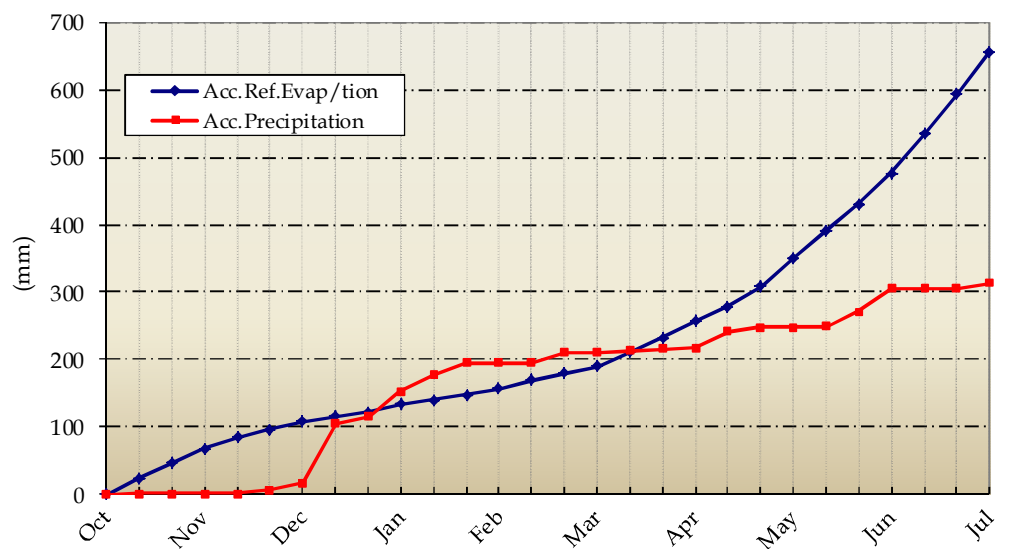
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3rd 10-day period (21-30/06/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	30.2	30.8	30.8	32.8	35.0	37.2	37.8	32.6	29.4	31.2	32.8	34.2	29.9
	Min	19.8	16.4	14.4	17.0	16.2	18.8	20.6	23.8	21.4	16.4	18.5	21.5	18.1
Relative Humidity	Max	83	82	89	82	85	73	65	68	91	82	80	71	80
	Min	33	29	38	29	32	29	21	39	30	38	32	28	39
Soil Temperature at 10 cm	06 UTC	26.0	24.6	24.8	26.0	27.0	27.8	29.0	29.6	28.0	25.6	26.8	29.6	24.7
	12 UTC	28.8	28.4	29.2	31.0	30.7	32.4	33.4	31.6	29.0	29.8	30.4	33.8	28.5
Sunshine Duration		11.5	13.6	13.8	13.8	13.9	13.7	13.3	8.8	13.2	13.3	12.9	13.5	10.7
Precipitation		4.5							0.0	4.1		8.6		3.0
Evaporation		9.4	9.1	9.0	10.0	8.8	13.8	11.2	10.8	9.7	8.6	100.4	127.9	86.6
Growing Degrees	5	20.0	18.6	17.6	19.9	20.6	23.0	24.2	23.2	20.4	18.8	206.3	228.4	169.9
	10	15.0	13.6	12.6	14.9	15.6	18.0	19.2	18.2	15.4	13.8	156.3	178.4	125.1

3rd 10-day period (21-30/06/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	62.4	74.4	47.0
Precipitation - Reference Evapotranspiration	-53.8	-74.4	-44.0
Number of Rainy Days	2.0	0.0	1.0
Number of Dry Days	21.0	38.0	-

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

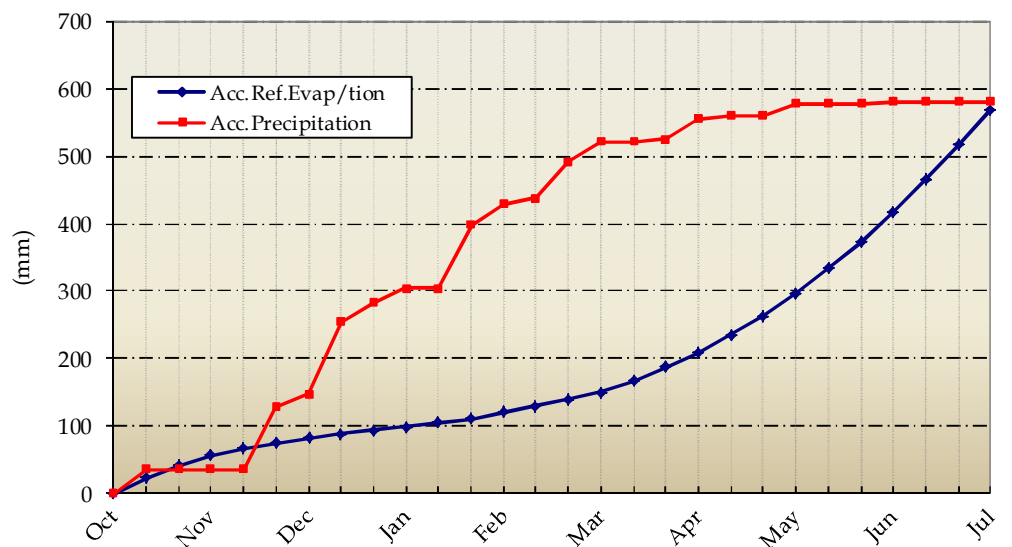


3rd 10-day period (21-30/06/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	30.5	31.7	30.8	30.3	31.3	32.9	35.1	35.0	35.2	35.3	32.8	34.0	29.7
	Min	20.0	19.0	18.3	18.6	18.6	18.3	19.9	21.6	20.4	20.9	19.6	21.1	18.0
Relative Humidity	Max	98	90	92	94	96	81	85	83	87	88	89	90	88
	Min	48	30	38	48	45	37	36	40	32	26	38	35	41
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	27.0
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	32.4
Sunshine Duration		11.5	12.5	12.8	12.9	12.5	12.3	12.9	10.7	13.0	13.1	12.4	12.1	12.1
Precipitation														4.9
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	87.5
Growing Degrees	5	20.3	20.4	19.6	19.5	20.0	20.6	22.5	23.3	22.8	23.1	211.9	225.7	158.1
	10	15.3	15.4	14.6	14.5	15.0	15.6	17.5	18.3	17.8	18.1	161.9	175.7	116.1

3rd 10-day period (21-30/06/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	52.1	52.8	42.1
Precipitation - Reference Evapotranspiration	-52.1	-52.8	-37.2
Number of Rainy Days	0.0	0.0	0.3
Number of Dry Days	31.0	35.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



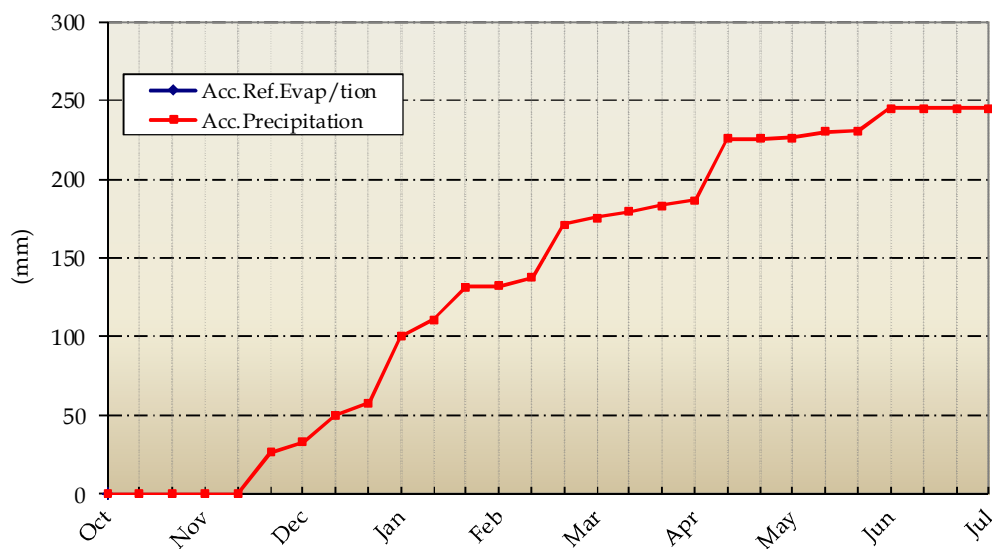
Iraklio

3rd 10-day period (21-30/06/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	29.4	26.8	27.4	28.0	30.0	30.6	30.8	31.0	27.6	27.0	28.9	29.0	28.5
	Min	22.2	23.0	22.0	19.0	19.0	21.8	23.0	26.0	25.8	23.0	22.5	23.0	21.1
Relative Humidity	Max	75	84	66	72	61	64	61	65	67	67	68	77	79
	Min	43	45	44	42	36	41	37	38	56	52	43	51	53
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-
Sunshine Duration		12.3	12.8	13.2	13.0	13.1	12.9	12.9	13.0	12.2	12.4	12.8	12.6	12.4
Precipitation														0.1
Evaporation		6.6	13.1	7.9	8.6	7.2	8.8	6.7	13.9	8.7	8.6	90.1	65.1	68.7
Growing Degrees	5	20.8	19.9	19.7	18.5	19.5	21.2	21.9	23.5	21.7	20.0	206.7	210.1	188.1
	10	15.8	14.9	14.7	13.5	14.5	16.2	16.9	18.5	16.7	15.0	156.7	160.1	140.4

3rd 10-day period (21-30/06/2025)		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	30.0	34.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

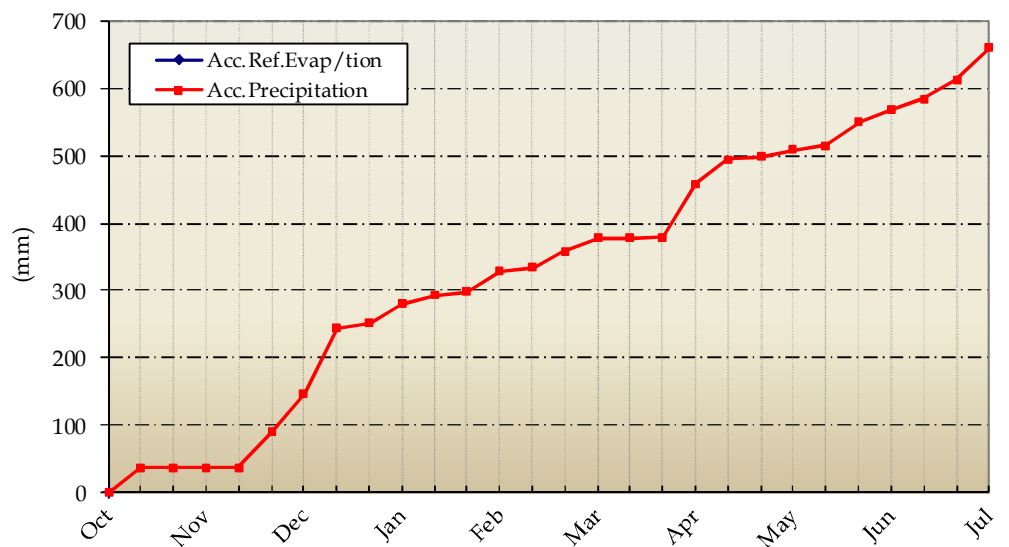


3rd 10-day period (21-30/06/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	30.0	28.4	31.0	32.7	34.8	37.1	36.8	33.4	32.5	32.5	32.9	35.3	30.1
	Min	14.0	17.8	13.2	14.0	20.0	20.6	23.0	24.6	21.9	23.6	19.3	17.9	14.9
Relative Humidity	Max	100	100	100	76	100	75	88	90	45	88	86	90	91
	Min	34	33	31	34	28	30	27	30	27	27	30	27	41
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	22.4
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	24.5
Sunshine Duration		7.0	10.2	13.0	13.0	13.1	12.5	12.5	13.0	13.0	12.7	12.0	11.6	9.7
Precipitation		47.3										47.3	5.7	5.8
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	
Growing Degrees	5	17.0	18.1	17.1	18.4	22.4	23.9	24.9	24.0	22.2	23.1	211.0	216.3	147.1
	10	12.0	13.1	12.1	13.4	17.4	18.9	19.9	19.0	17.2	18.1	161.0	166.3	105.0

3rd 10-day period (21-30/06/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	-	-	29.8
Precipitation - Reference Evapotranspiration	-	-	-24.0
Number of Rainy Days	1.0	1.0	1.3
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

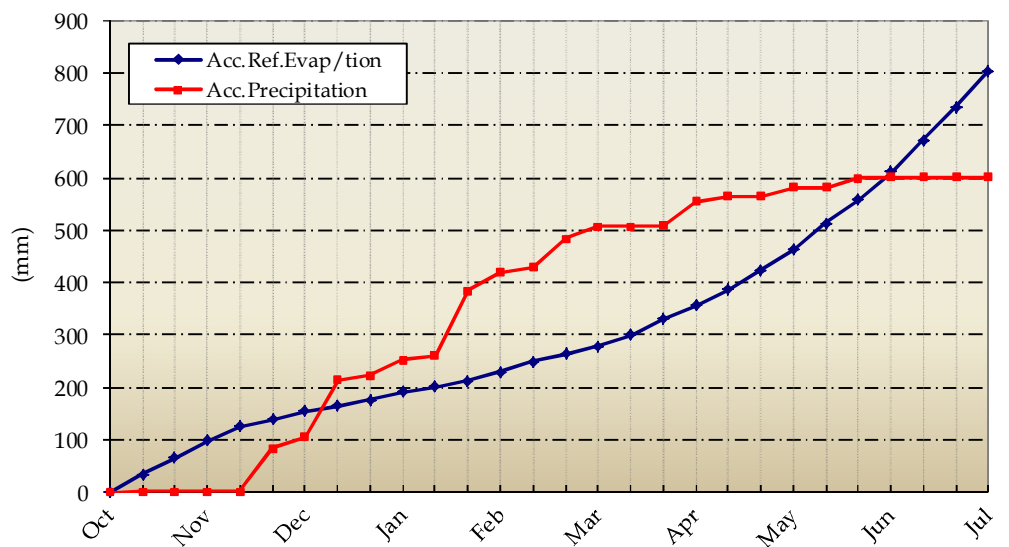


3rd 10-day period (21-30/06/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	32.2	32.2	32.2	31.7	34.0	37.2	37.7	36.0	35.8	34.5	34.4	35.2	30.8
	Min	18.7	17.9	17.4	16.2	20.0	19.0	20.5	21.3	21.6	22.6	19.5	20.3	17.7
Relative Humidity	Max	91	91	87	87	78	73	76	76	75	76	81	86	87
	Min	34	34	24	33	26	25	20	26	30	26	28	29	37
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	24.2
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	27.5
Sunshine Duration		9.6	11.8	12.5	12.6	12.5	12.4	12.4	10.7	11.6	12.5	11.9	12.2	11.3
Precipitation		0.0										0.0		5.1
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	71.3
Growing Degrees	5	20.5	20.1	19.8	19.0	22.0	23.1	24.1	23.7	23.7	23.6	219.4	227.4	177.9
	10	15.5	15.1	14.8	14.0	17.0	18.1	19.1	18.7	18.7	18.6	169.4	177.4	131.6

3rd 10-day period (21-30/06/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	68.8	69.4	49.0
Precipitation - Reference Evapotranspiration	-68.8	-69.4	-43.9
Number of Rainy Days	0.0	0.0	0.5
Number of Dry Days	36.0	31.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



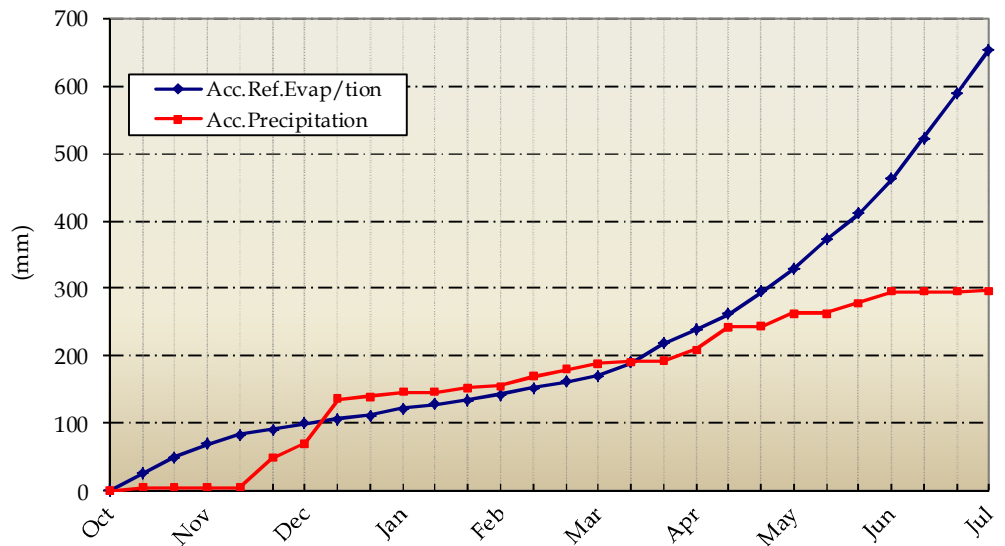
Larisa

3rd 10-day period (21-30/06/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	31.6	30.4	34.4	36.6	38.0	39.1	40.4	35.4	33.2	35.6	35.5	35.8	33.1
	Min	14.4	16.0	14.2	15.2	17.0	18.8	20.4	21.8	25.0	17.4	18.0	20.7	18.2
Relative Humidity	Max	100	88	80	75	68	63	82	83	67	80	79	71	79
	Min	21	30	23	17	12	18	20	28	32	24	22	25	28
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	25.9
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	28.0
Sunshine Duration		10.1	10.1	12.4	12.3	11.9	12.2	11.9	10.9	9.6	12.3	11.4	10.8	10.2
Precipitation									1.0			1.0		7.1
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	107.3
Growing Degrees	5	18.0	18.2	19.3	20.9	22.5	24.0	25.4	23.6	24.1	21.5	217.5	232.3	188.4
	10	13.0	13.2	14.3	15.9	17.5	19.0	20.4	18.6	19.1	16.5	167.5	182.3	142.9

3rd 10-day period (21-30/06/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	66.3	71.4	61.4
Precipitation - Reference Evapotranspiration	-65.3	-71.4	-54.3
Number of Rainy Days	1.0	0.0	1.2
Number of Dry Days	7.0	32.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



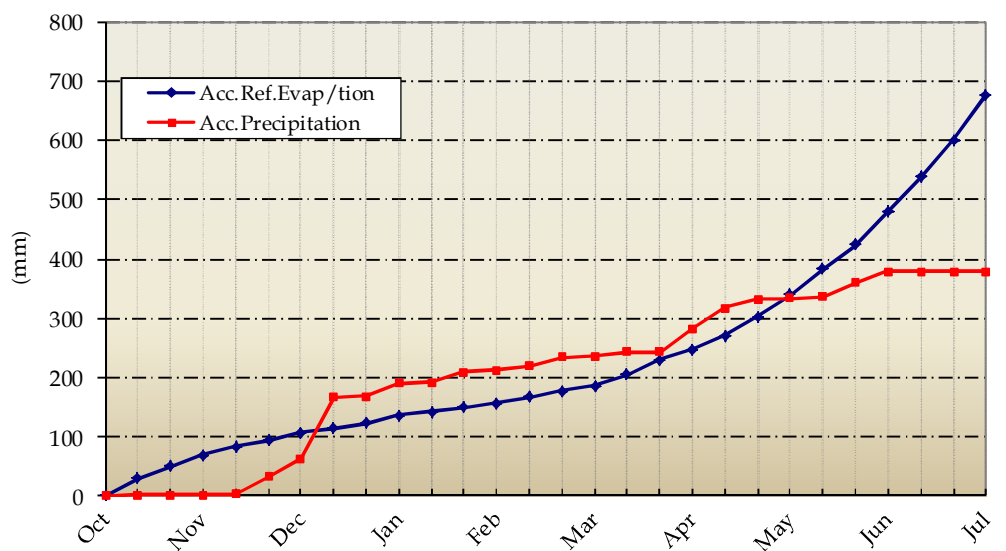
Mikra

3rd 10-day period (21-30/06/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	30.4	28.6	32.0	34.6	37.4	37.4	37.0	34.2	33.2	34.0	33.9	33.4	31.4
	Min	24.6	19.2	16.4	18.6	19.6	22.4	22.4	27.0	25.3	19.2	21.5	22.2	19.9
Relative Humidity	Max	79	76	75	64	65	62	65	55	78	80	70	80	75
	Min	27	38	27	25	19	23	23	35	36	31	28	36	34
Soil Temperature at 10 cm	06 UTC	26.0	25.2	25.0	26.4	24.8	27.0	27.6	29.2	29.0	28.0	26.8	27.6	26.4
	12 UTC	30.4	30.4	32.8	32.4	31.4	33.8	36.0	36.0	32.0	31.8	32.7	31.7	31.8
Sunshine Duration		9.4	12.8	13.2	13.6	13.1	13.5	12.3	13.3	11.0	13.4	12.6	10.2	11.0
Precipitation									0.0			0.0	26.0	6.7
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	104.2
Growing Degrees	5	22.5	18.9	19.2	21.6	23.5	24.9	24.7	25.6	24.3	21.6	226.8	228.0	187.5
	10	17.5	13.9	14.2	16.6	18.5	19.9	19.7	20.6	19.3	16.6	176.8	178.0	142.2

3rd 10-day period (21-30/06/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	75.0	66.3	57.4
Precipitation - Reference Evapotranspiration	-75.0	-40.3	-50.7
Number of Rainy Days	0.0	1.0	1.2
Number of Dry Days	30.0	14.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



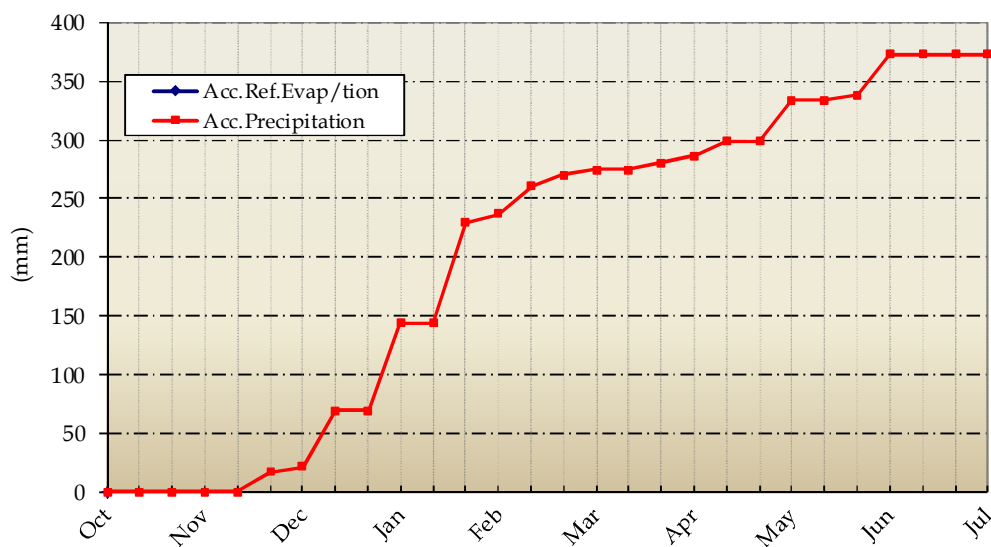
Tanagra

3rd 10-day period (21-30/06/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	30.2	27.6	31.4	34.4	36.4	37.0	37.8	33.0	29.4	31.6	32.9	33.2	31.7
	Min	20.4	18.9	14.9	13.6	15.6	20.4	21.0	23.7	23.6	18.6	19.1	20.9	18.6
Relative Humidity	Max	66	66	58	58	56	47	47	48	54	67	57	55	74
	Min	34	21	17	12	13	15	15	28	30	24	21	20	29
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-
Sunshine Duration		7.2	13.2	13.3	13.6	13.6	12.2	13.4	11.2	9.0	13.6	12.0	12.8	10.9
Precipitation														2.2
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	88.8
Growing Degrees	5	20.3	18.3	18.2	19.0	21.0	23.7	24.4	23.4	21.5	20.1	209.8	220.6	176.2
	10	15.3	13.3	13.2	14.0	16.0	18.7	19.4	18.4	16.5	15.1	159.8	170.6	132.7

3rd 10-day period (21-30/06/2025)	Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	-	-
Precipitation - Reference Evapotranspiration	-	-
Number of Rainy Days	0.0	0.7
Number of Dry Days	30.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



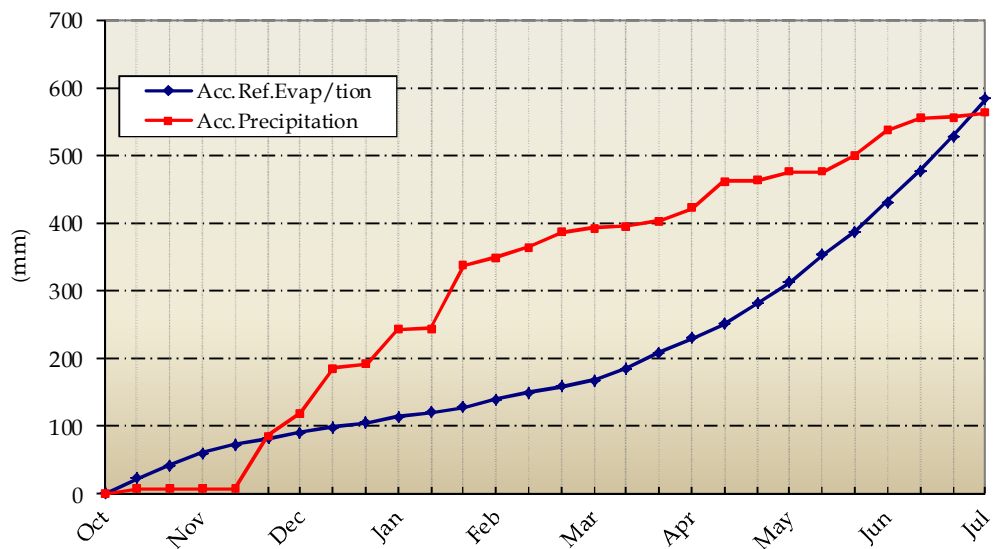
Tripoli

3rd 10-day period (21-30/06/2025)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	30.5	27.1	29.7	32.6	33.6	35.2	35.9	33.9	27.3	29.7	31.6	34.1	30.2
	Min	12.2	13.4	9.5	10.5	11.9	12.5	14.8	15.7	17.0	17.7	13.5	19.3	13.3
Relative Humidity	Max	97	97	92	88	92	76	74	82	82	70	85	74	84
	Min	26	29	20	13	10	14	15	22	44	25	22	18	29
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	24.3
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	28.9
Sunshine Duration		6.9	13.0	13.2	13.0	13.2	13.2	13.2	6.2	5.2	13.2	11.0	12.2	10.6
Precipitation		5.8							0.2			6.0	0.1	3.9
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	61.1
Growing Degrees	5	16.4	15.3	14.6	16.6	17.8	18.9	20.4	19.8	17.2	18.7	175.4	217.0	143.4
	10	11.4	10.3	9.6	11.6	12.8	13.9	15.4	14.8	12.2	13.7	125.4	167.0	100.6

3rd 10-day period (21-30/06/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	54.5	-	32.6
Precipitation - Reference Evapotranspiration	-48.5	-	-28.7
Number of Rainy Days	2.0	1.0	1.1
Number of Dry Days	7.0	9.0	-

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)

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

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