



AGROMETEOROLOGICAL BULLETIN

*August 2025
1st 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



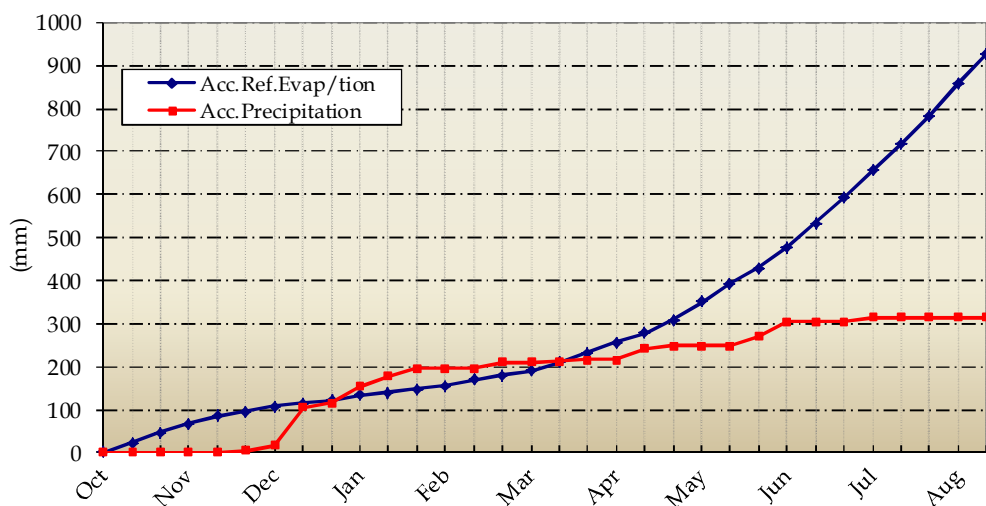
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1st 10-day period (1-10/08/2025)		1	2	3	4	5	6	7	8	9	10	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	32.2	33.2	34.0	35.0	35.6	33.2	34.6	34.8	36.2	36.6	34.5	33.3	32.7
	Min	20.0	22.6	19.0	21.4	24.0	22.8	25.4	25.4	21.4	24.0	22.6	21.0	20.2
Relative Humidity	Max	75	75	75	79	79	73	56	59	61	55	69	77	76
	Min	39	30	34	29	29	40	32	30	18	22	30	32	33
Soil Temperature at 10 cm	06 UTC	29.2	29.4	29.4	30.4	30.0	30.6	30.4	30.6	29.6	30.2	30.0	29.9	26.7
	12 UTC	35.0	32.0	34.0	34.6	35.0	34.2	33.2	34.0	33.4	34.0	33.9	33.9	30.4
Sunshine Duration		10.5	12.7	13.1	13.1	13.0	7.3	12.4	12.5	12.8	12.9	12.0	11.7	11.5
Precipitation													1.6	5.0
Evaporation		9.2	10.5	9.3	6.5	14.1	15.0	12.4	11.1	6.5	21.0	115.6	97.0	89.9
Growing Degrees	5	21.1	22.9	21.5	23.2	24.8	23.0	25.0	25.1	23.8	25.3	235.7	221.8	194.3
	10	16.1	17.9	16.5	18.2	19.8	18.0	20.0	20.1	18.8	20.3	185.7	171.8	148.9

1st 10-day period (1-10/08/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	70.9	57.5	50.1
Precipitation - Reference Evapotranspiration	-70.9	-55.9	-45.1
Number of Rainy Days	0.0	1.0	0.7
Number of Dry Days	42.0	12.0	-

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

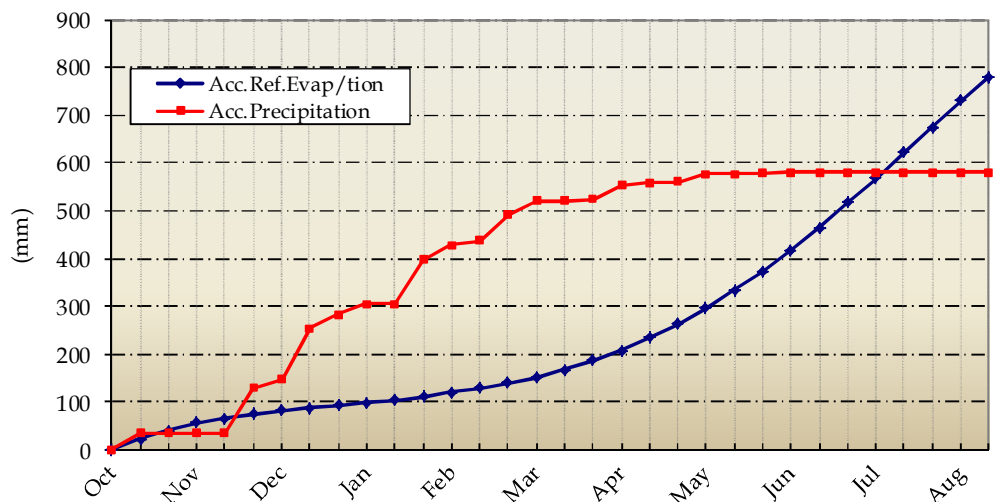


1st 10-day period (1-10/08/2025)		1	2	3	4	5	6	7	8	9	10	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	30.9	31.2	31.0	30.2	28.3	30.9	34.7	37.0	38.5	38.5	33.1	33.4	31.8
	Min	18.6	18.8	18.2	18.3	22.4	19.9	18.2	20.8	25.4	17.9	19.8	21.5	19.8
Relative Humidity	Max	96	98	99	93	92	95	92	82	51	68	87	90	88
	Min	41	38	40	48	51	40	32	24	19	19	35	42	39
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	29.0
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	34.2
Sunshine Duration		12.9	13.0	12.5	12.8	10.0	12.1	12.4	12.8	12.5	12.5	12.4	12.4	11.9
Precipitation														1.0
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	82.2
Growing Degrees	5	19.8	20.0	19.6	19.3	20.4	20.4	21.5	23.9	27.0	23.2	214.9	224.2	167.9
	10	14.8	15.0	14.6	14.3	15.4	15.4	16.5	18.9	22.0	18.2	164.9	174.2	127.5

1st 10-day period (1-10/08/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	48.6	50.0	57.9
Precipitation - Reference Evapotranspiration	-48.6	-50.0	-56.9
Number of Rainy Days	0.0	0.0	0.2
Number of Dry Days	72.0	76.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



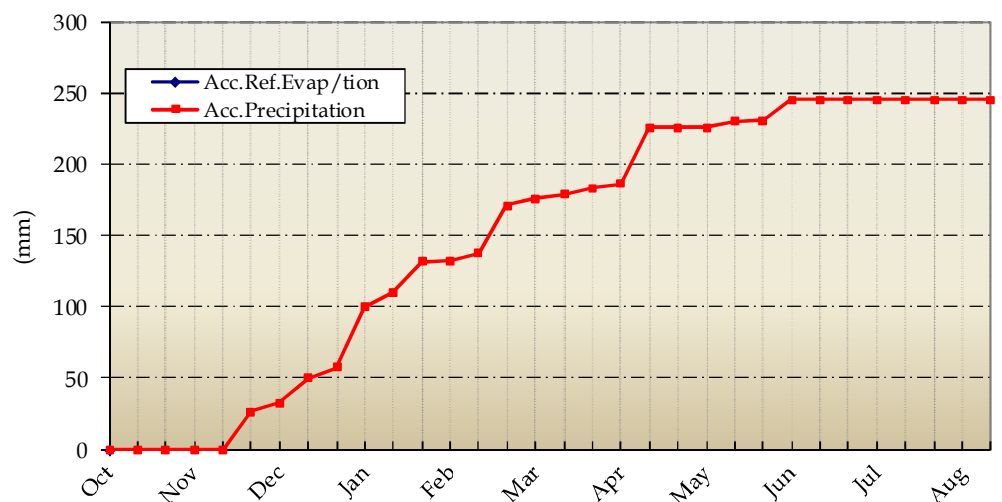
Iraklio

1st 10-day period (1-10/08/2025)		1	2	3	4	5	6	7	8	9	10	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	28.6	29.6	30.0	30.6	29.6	28.6	29.4	29.4	29.4	29.0	29.4	30.8	29.5
	Min	25.6	25.4	23.0	21.2	20.8	21.0	26.0	26.4	26.4	26.4	24.2	23.2	23.2
Relative Humidity	Max	81	72	81	81	84	88	68	77	75	76	78	80	79
	Min	63	52	47	45	55	59	56	61	61	60	56	50	55
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-
Sunshine Duration		10.1	12.6	12.5	12.5	12.1	12.1	11.7	11.0	11.0	12.0	11.8	12.5	12.0
Precipitation														0.0
Evaporation		5.7	9.1	6.2	5.0	5.9	16.7	1.0	6.3	8.2	13.5	77.6	76.8	71.2
Growing Degrees	5	22.1	22.5	21.5	20.9	20.2	19.8	22.7	22.9	22.9	22.7	218.2	219.7	202.9
	10	17.1	17.5	16.5	15.9	15.2	14.8	17.7	17.9	17.9	17.7	168.2	169.7	155.4

1st 10-day period (1-10/08/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	-	-	
Precipitation - Reference Evapotranspiration	-	-	
Number of Rainy Days	0.0	0.0	0.0
Number of Dry Days	71.0	75.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

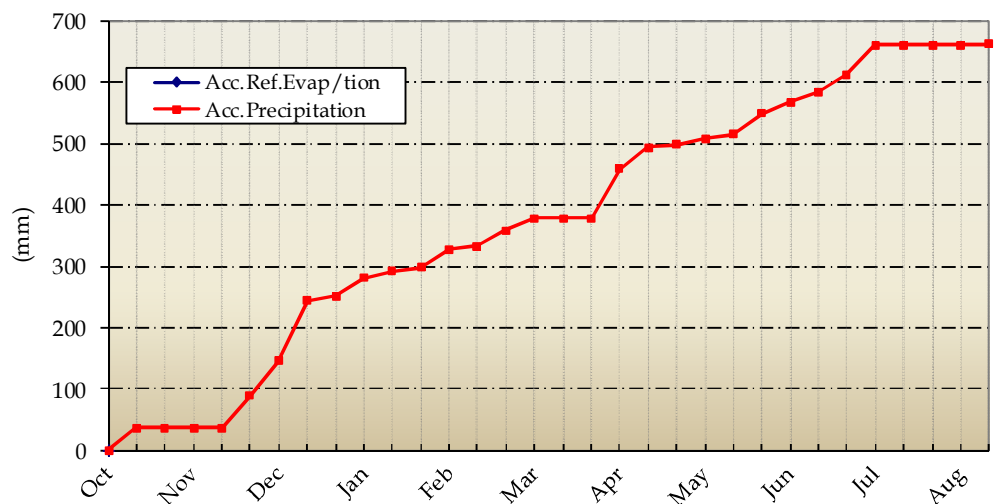


1st 10-day period (1-10/08/2025)		1	2	3	4	5	6	7	8	9	10	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	32.5	32.8	33.0	32.8	30.1	33.4	34.2	33.8	35.3	36.0	33.4	35.8	32.1
	Min	18.0	14.5	14.0	12.1	13.8	16.7	16.4	23.3	25.3	25.0	17.9	16.4	16.6
Relative Humidity	Max	100	91	94	91	100	92	96	48	44	35	79	87	88
	Min	27	32	22	24	31	29	25	27	18	15	25	24	35
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	23.5
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	25.7
Sunshine Duration		8.4	10.2	12.5	12.1	10.6	7.5	10.7	12.0	12.4	12.4	10.9	11.2	10.1
Precipitation							0.9					0.9		7.6
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	
Growing Degrees	5	20.3	18.7	18.5	17.5	17.0	20.1	20.3	23.6	25.3	25.5	206.5	211.1	150.1
	10	15.3	13.7	13.5	12.5	12.0	15.1	15.3	18.6	20.3	20.5	156.5	161.1	111.3

1st 10-day period (1-10/08/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	-	-	33.6
Precipitation - Reference Evapotranspiration	-	-	-26.0
Number of Rainy Days	1.0	0.0	1.1
Number of Dry Days	5.0	16.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

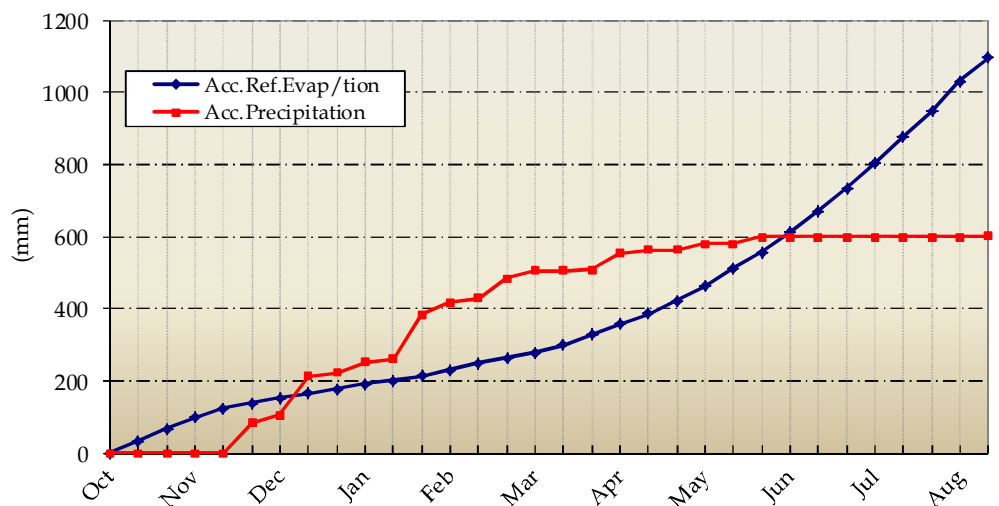


1st 10-day period (1-10/08/2025)		1	2	3	4	5	6	7	8	9	10	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	33.9	34.1	32.2	34.1	32.9	30.5	36.3	35.5	38.0	35.1	34.3	35.0	32.7
	Min	18.9	20.4	20.5	17.1	20.0	20.0	20.0	21.1	26.5	17.2	20.2	21.3	19.5
Relative Humidity	Max	85	83	83	86	84	86	85	71	87	84	83	85	86
	Min	38	35	35	37	33	45	26	27	17	23	32	30	35
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	26.3
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	29.3
Sunshine Duration		11.6	12.4	12.4	12.3	11.7	9.5	11.7	12.2	11.4	12.0	11.7	10.4	11.3
Precipitation							0.9					0.9		3.9
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	69.5
Growing Degrees	5	21.4	22.3	21.4	20.6	21.5	20.3	23.2	23.3	27.3	21.2	222.2	231.4	190.4
	10	16.4	17.3	16.4	15.6	16.5	15.3	18.2	18.3	22.3	16.2	172.2	181.4	145.2

1st 10-day period (1-10/08/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	65.4	65.9	41.0
Precipitation - Reference Evapotranspiration	-64.5	-65.9	-37.1
Number of Rainy Days	1.0	0.0	0.6
Number of Dry Days	72.0	72.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

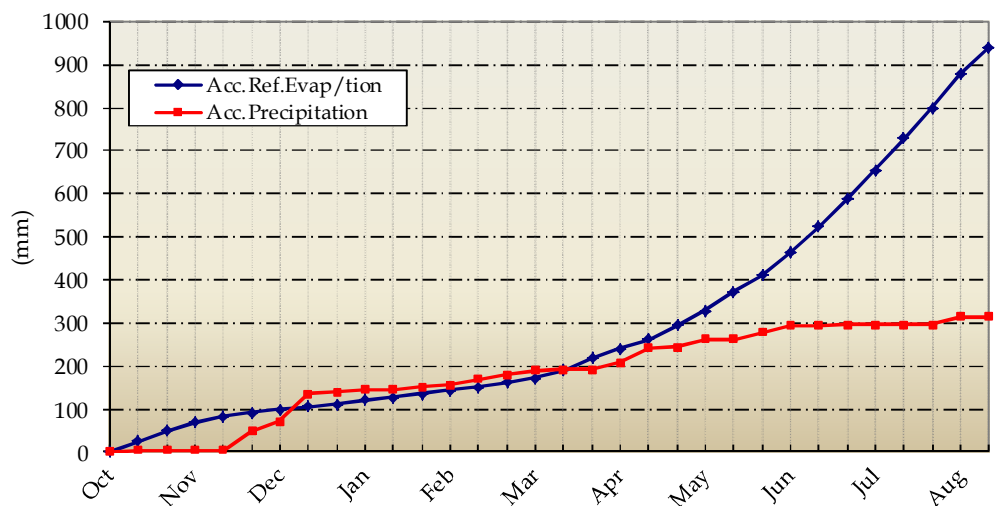


Larisa

1st 10-day period (1-10/08/2025)		1	2	3	4	5	6	7	8	9	10	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	31.8	33.6	35.4	34.8	30.0	34.2	35.4	35.4	34.6	35.4	34.1	36.7	33.7
	Min	18.4	18.1	18.6	19.2	20.4	17.6	20.4	21.6	18.0	15.6	18.8	19.9	19.3
Relative Humidity	Max	100	100	92	100	100	100	75	73	74	73	89	80	81
	Min	36	33	26	24	40	22	25	23	22	16	27	23	30
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	27.6
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	29.5
Sunshine Duration		9.7	11.6	12.0	11.9	6.8	10.4	11.2	11.4	11.7	12.2	10.9	10.6	10.5
Precipitation						0.1	0.2					0.3	1.4	6.9
Evaporation		-	-	-	-	-	-	-	-	-	-	-	90.6	98.8
Growing Degrees	5	20.1	20.9	22.0	22.0	20.2	20.9	22.9	23.5	21.3	20.5	214.3	233.2	194.0
	10	15.1	15.9	17.0	17.0	15.2	15.9	17.9	18.5	16.3	15.5	164.3	183.2	149.0

1st 10-day period (1-10/08/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	61.9	63.4	54.9
Precipitation - Reference Evapotranspiration	-61.6	-62.0	-48.0
Number of Rainy Days	2.0	1.0	1.5
Number of Dry Days	4.0	11.0	-

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



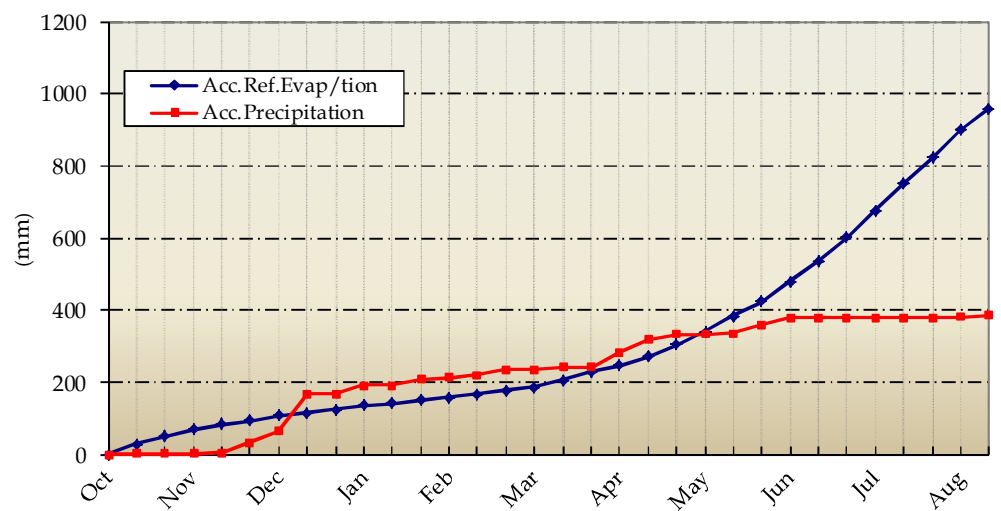
Mikra

1st 10-day period (1-10/08/2025)		1	2	3	4	5	6	7	8	9	10	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	30.8	32.7	33.4	33.0	28.4	32.7	35.0	34.3	33.8	34.8	32.9	34.3	32.7
	Min	18.0	20.6	20.6	20.7	21.9	20.4	24.0	25.7	22.0	21.6	21.6	22.6	21.5
Relative Humidity	Max	100	80	78	85	82	84	77	73	62	72	79	72	75
	Min	38	37	35	45	62	46	31	31	33	25	38	32	35
Soil Temperature at 10 cm	06 UTC	26.0	27.6	28.6	28.6	27.2	25.0	26.0	28.2	28.0	27.8	27.3	29.5	28.3
	12 UTC	31.0	31.6	32.0	33.2	28.0	30.0	30.2	34.4	34.0	33.6	31.8	33.2	33.0
Sunshine Duration		9.2	12.4	10.4	12.4	1.2	9.8	10.7	10.2	10.2	12.8	9.9	11.5	10.6
Precipitation						4.9			0.0			4.9		11.5
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	95.6
Growing Degrees	5	19.4	21.7	22.0	21.9	20.2	21.6	24.5	25.0	22.9	23.2	222.2	234.4	201.4
	10	14.4	16.7	17.0	16.9	15.2	16.6	19.5	20.0	17.9	18.2	172.2	184.4	155.9

1st 10-day period (1-10/08/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	59.4	68.2	44.3
Precipitation - Reference Evapotranspiration	-54.5	-68.2	-32.8
Number of Rainy Days	1.0	0.0	1.4
Number of Dry Days	4.0	22.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



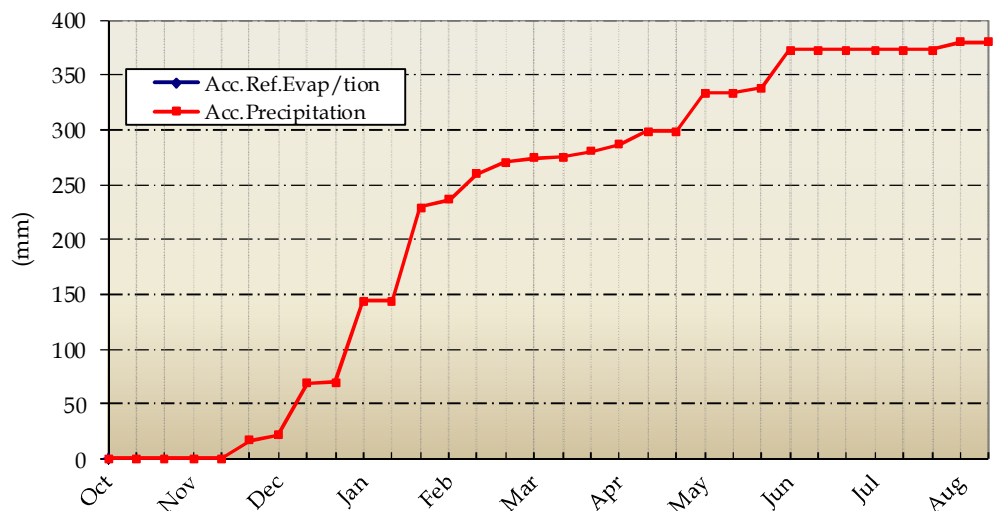
Tanagra

1st 10-day period (1-10/08/2025)		1	2	3	4	5	6	7	8	9	10	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	29.4	31.7	33.6	34.4	31.6	30.4	31.6	31.4	31.6	32.8	31.8	34.9	32.4
	Min	20.4	19.8	18.5	20.0	20.2	20.1	24.3	25.0	24.0	22.4	21.5	20.5	20.4
Relative Humidity	Max	78	66	66	70	74	75	52	53	46	48	63	58	68
	Min	35	17	22	24	38	34	29	34	19	23	28	21	27
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-
Sunshine Duration		12.0	13.1	12.8	12.6	10.9	8.2	12.4	12.3	13.2	12.6	12.0	12.3	11.8
Precipitation		0.1										0.1		4.5
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	97.2
Growing Degrees	5	19.9	20.8	21.1	22.2	20.9	20.3	23.0	23.2	22.8	22.6	216.6	227.2	186.5
	10	14.9	15.8	16.1	17.2	15.9	15.3	18.0	18.2	17.8	17.6	166.6	177.2	143.0

1st 10-day period (1-10/08/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	-	-	
Precipitation - Reference Evapotranspiration	-	-	
Number of Rainy Days	1.0	0.0	0.5
Number of Dry Days	0.0	37.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



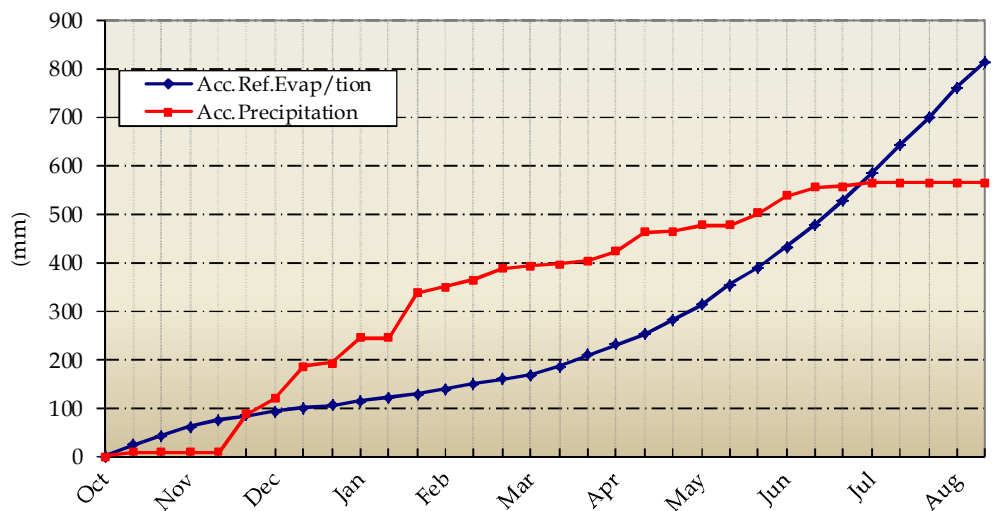
Tripoli

1st 10-day period (1-10/08/2025)		1	2	3	4	5	6	7	8	9	10	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	29.3	31.6	32.0	33.1	30.6	30.2	32.3	31.7	32.8	35.3	31.9	33.8	31.7
	Min	14.9	13.5	14.8	13.6	12.5	16.5	16.6	21.6	22.2	21.3	16.8	16.2	15.3
Relative Humidity	Max	92	95	84	84	83	86	75	53	47	35	73	88	83
	Min	31	23	22	63	27	24	22	25	15	15	27	21	26
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	25.9
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	29.7
Sunshine Duration		7.8	8.2	7.5	12.8	10.3	8.1	12.6	11.0	12.5	12.6	10.3	9.3	10.6
Precipitation		0.1										0.1	1.6	4.8
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	67.4
Growing Degrees	5	17.1	17.6	18.4	18.4	16.6	18.4	19.5	21.7	22.5	23.3	193.2	199.7	145.7
	10	12.1	12.6	13.4	13.4	11.6	13.4	14.5	16.7	17.5	18.3	143.2	149.7	106.2

1st 10-day period (1-10/08/2025)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	52.9	45.3	36.2
Precipitation - Reference Evapotranspiration	-52.8	-43.7	-31.4
Number of Rainy Days	1.0	2.0	1.1
Number of Dry Days	33.0	8.0	

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)

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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ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ**

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