AGROMETEOROLOGICAL BULLETIN

October 2026
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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www.hnms.gr
www.emy.gov.gr
www.meteo.gov.gr
www.meteohellas.gr

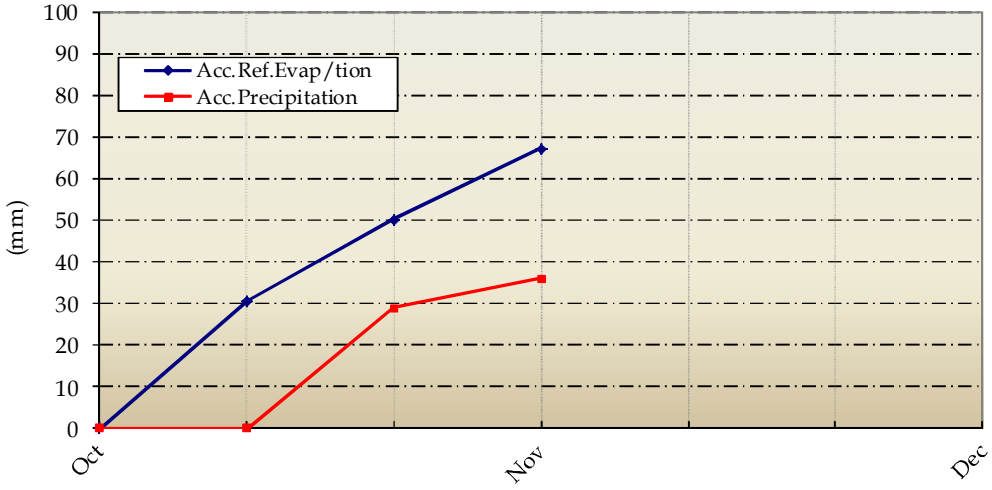
Agrometeorological Data — October 2026

Alexandroupoli

3rd 10-day period (21-31/10/2026)		21	22	23	24	25	26	27	28	29	20	31	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	21.0	22.4	20.0	20.8	20.0	21.4	18.2	16.8	19.0	16.6	17.8	19.5	20.7	18.7
	Min	8.0	10.0	14.4	9.6	8.2	11.0	9.8	11.0	15.0	12.8	12.4	11.1	10.1	9.4
Relative Humidity	Max	94	95	98	95	94	93	90	71	80	93	88	90	96	89
	Min	57	54	70	58	63	56	59	60	56	78	58	61	66	54
Soil Temperature at 10 cm	06 UTC	15.0	15.8	17.4	15.2	15.2	15.6	16.2	14.4	15.2	15.6	15.0	15.5	16.0	13.1
	12 UTC	19.0	20.6	19.4	18.8	18.6	19.0	16.2	15.0	16.0	16.0	16.0	17.7	19.3	16.2
Sunshine Duration		8.9	6.7	2.3	8.2	6.4	5.9	0.0	0.0	0.2	0.0	5.2	4.0	5.6	4.2
Precipitation				0.5				3.8	0.0		2.8		7.1	22.1	15.9
Evaporation		2.7	1.0	3.3	2.0	1.0	4.0	2.7	0.9	2.7	1.3	3.7	25.3	24.1	35.8
Growing Degrees	5	9.5	11.2	12.2	10.2	9.1	11.2	9.0	8.9	12.0	9.7	10.1	113.1	114.3	89.0
	10	4.5	6.2	7.2	5.2	4.1	6.2	4.0	3.9	7.0	4.7	5.1	58.1	59.3	41.8

3rd 10-day period (21-31/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	17.0	15.8	15.2
Precipitation - Reference Evapotranspiration	-9.9	6.3	0.7
Number of Rainy Days	3.0	3.0	1.7
Number of Dry Days	4.0	4.0	-

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



Agrometeorological Data — October 2026

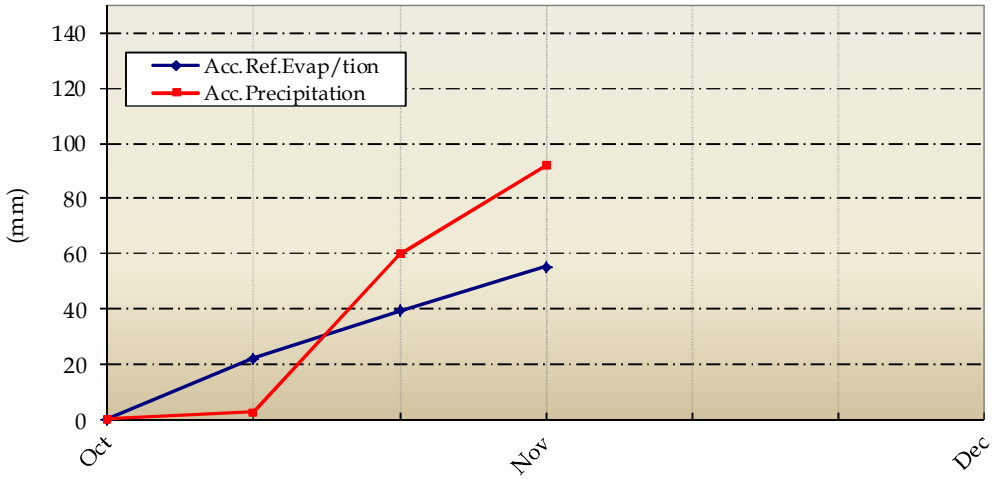
Andravida

3rd 10-day period (21-31/10/2026)		21	22	23	24	25	26	27	28	29	20	31	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	25.9	25.2	23.4	23.0	20.2	21.7	22.3	16.8	21.8	22.6	21.3	22.2	23.2	22.5
	Min	13.8	16.2	13.3	12.7	14.3	11.8	12.4	9.7	8.4	11.6	13.1	12.5	14.5	12.2
Relative Humidity	Max	100	100	100	100	100	100	100	93	100	100	100	99	99	92
	Min	40	64	56	56	73	60	53	49	54	55	50	55	61	50
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-	17.2
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-	20.2
Sunshine Duration		9.3	6.2	9.5	8.9	0.0	6.8	7.7	8.4	8.8	8.5	1.3	6.9	6.1	4.7
Precipitation			8.5			16.9	1.3					5.4	32.1	27.6	18.7
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	-	48.5
Growing Degrees	5	14.9	15.7	13.4	12.9	12.3	11.8	12.4	8.3	10.1	12.1	12.2	135.8	152.5	111.5
	10	9.9	10.7	8.4	7.9	7.3	6.8	7.4	3.3	5.1	7.1	7.2	80.8	97.5	65.8

3rd 10-day period (21-31/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	16.0	16.2	17.7
Precipitation - Reference Evapotranspiration	16.1	11.4	1.0
Number of Rainy Days	4.0	1.0	2.1
Number of Dry Days	5.0	2.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



Agrometeorological Data — October 2026

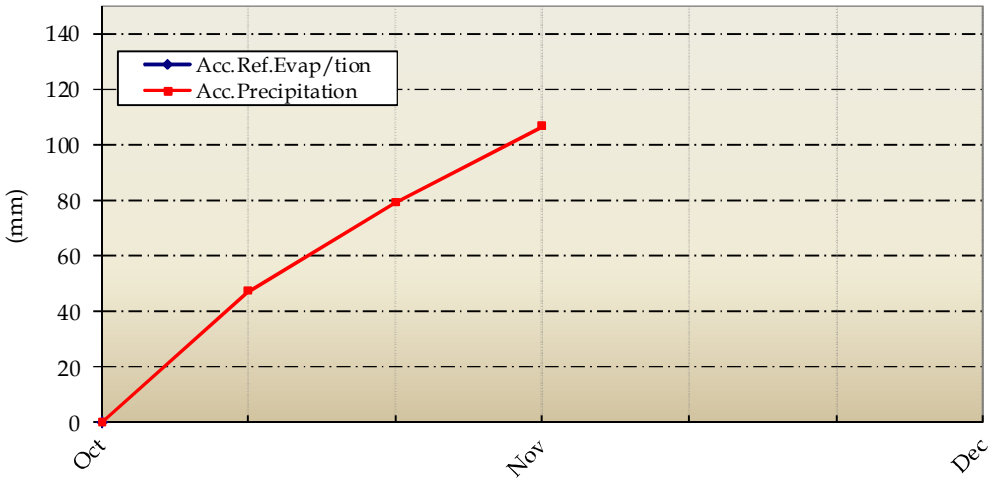
Iraklio

3rd 10-day period (21-31/10/2026)		21	22	23	24	25	26	27	28	29	20	31	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	22.4	29.4	23.8	23.4	21.8	22.0	21.4	22.0	19.4	21.2	21.0	22.5	25.3	22.7
	Min	13.2	16.2	17.4	16.2	16.2	17.0	15.6	15.6	13.0	16.8	14.4	15.6	16.9	16.2
Relative Humidity	Max	91	82	92	94	96	98	93	98	96	93	96	94	86	86
	Min	60	36	66	73	69	51	61	66	69	69	65	62	48	61
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sunshine Duration		10.1	8.7	8.5	6.7	4.9	3.7	6.5	1.7	5.0	7.3	6.0	6.3	8.5	4.1
Precipitation							13.2		1.3	7.0	5.7		27.2	0.3	36.2
Evaporation		1.6	4.2	3.1	1.2	0.7	2.9	0.9	0.7	1.4	3.4	4.1	24.2	31.1	44.0
Growing Degrees	5	12.8	17.8	15.6	14.8	14.0	14.5	13.5	13.8	11.2	14.0	12.7	154.7	177.1	152.3
	10	7.8	12.8	10.6	9.8	9.0	9.5	8.5	8.8	6.2	9.0	7.7	99.7	122.1	99.3

3rd 10-day period (21-31/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	-	-	
Precipitation - Reference Evapotranspiration	-	-	
Number of Rainy Days	4.0	1.0	2.6
Number of Dry Days	8.0	8.0	-

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 — October 2026

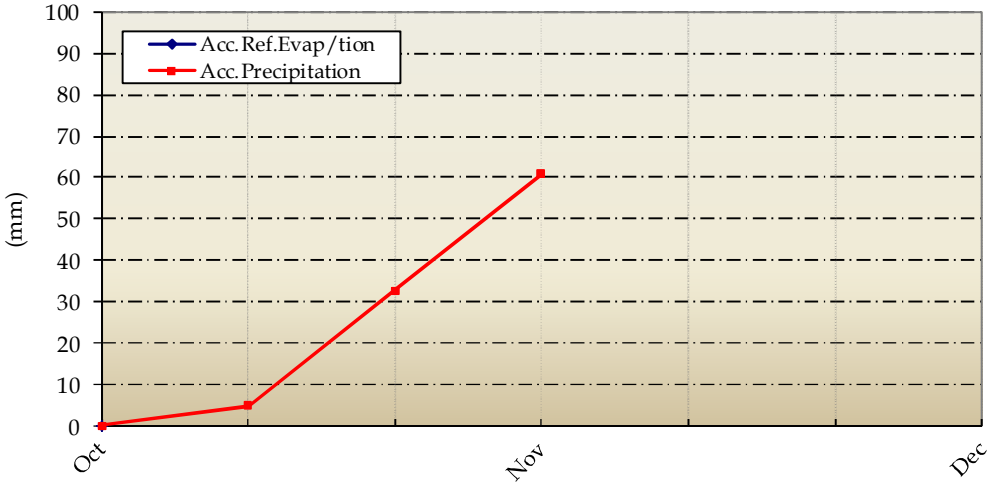
Ioannina

3rd 10-day period (21-31/10/2026)		21	22	23	24	25	26	27	28	29	20	31	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	22.0	22.4	21.2	20.4	15.2	17.4	18.2	15.3	19.8	16.2	16.6	18.6	19.6	19.0
	Min	3.0	14.0	9.3	3.2	11.0	8.9	4.6	9.0	3.9	9.4	6.0	7.5	8.7	7.5
Relative Humidity	Max	100	100	100	100	100	100	100	99	100	100	100	100	100	97
	Min	47	44	47	51	46	50	41	47	43	76	63	50	56	55
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-	12.4
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-	13.5
Sunshine Duration		4.7	7.2	6.6	6.2	1.4	4.6	7.9	2.3	7.1	0.0	0.7	4.4	4.3	3.1
Precipitation		0.0	12.3			11.0		0.0			4.5	0.4	28.2	24.1	32.9
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	-	
Growing Degrees	5	7.5	13.2	10.3	6.8	8.1	8.2	6.4	7.2	6.9	7.8	6.3	88.5	101.1	72.4
	10	2.5	8.2	5.3	1.8	3.1	3.2	1.4	2.2	1.9	2.8	1.3	33.5	46.1	29.2

3rd 10-day period (21-31/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	-	-	6.1
Precipitation - Reference Evapotranspiration	-	-	26.8
Number of Rainy Days	4.0	6.0	3.0
Number of Dry Days	4.0	3.0	-

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 — October 2026

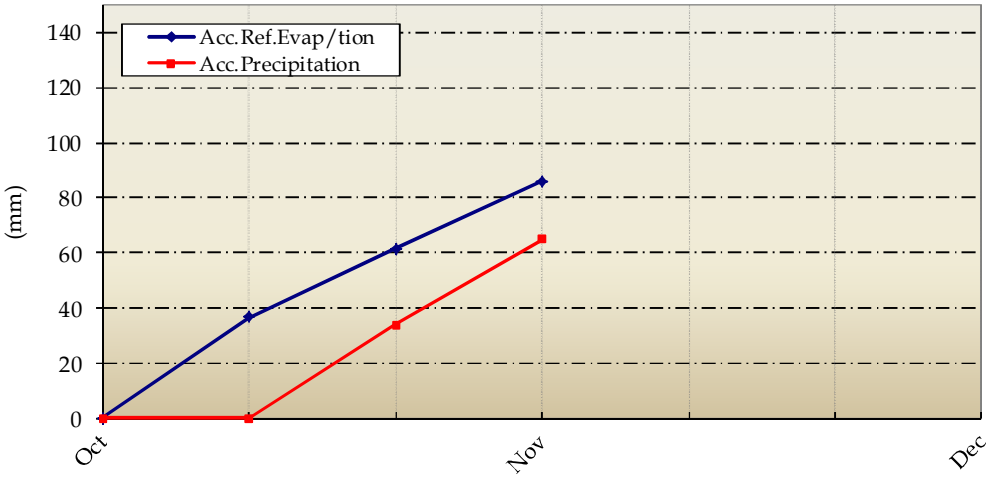
Kalamata

3rd 10-day period (21-31/10/2026)		21	22	23	24	25	26	27	28	29	20	31	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	24.5	25.7	26.5	26.5	24.0	24.0	22.9	18.8	22.3	22.2	22.2	23.6	24.3	23.5
	Min	12.1	14.0	13.8	12.4	12.3	12.2	12.1	11.7	8.4	10.1	10.9	11.8	13.0	12.3
Relative Humidity	Max	95	96	95	92	97	94	94	94	88	95	98	94	96	91
	Min	46	44	37	49	49	51	51	36	46	50	58	47	55	49
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-	17.8
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-	19.4
Sunshine Duration		6.9	5.3	8.7	8.3	1.9	4.9	7.5	7.7	7.4	7.6	3.5	6.3	6.8	5.5
Precipitation						29.9	1.1						31.0	20.6	27.5
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	-	45.1
Growing Degrees	5	13.3	14.9	15.2	14.5	13.2	13.1	12.5	10.3	10.4	11.2	11.6	139.8	150.3	131.3
	10	8.3	9.9	10.2	9.5	8.2	8.1	7.5	5.3	5.4	6.2	6.6	84.8	95.3	80.0

3rd 10-day period (21-31/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	24.5	23.0	14.6
Precipitation - Reference Evapotranspiration	6.5	-2.4	12.9
Number of Rainy Days	2.0	3.0	2.8
Number of Dry Days	7.0	0.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



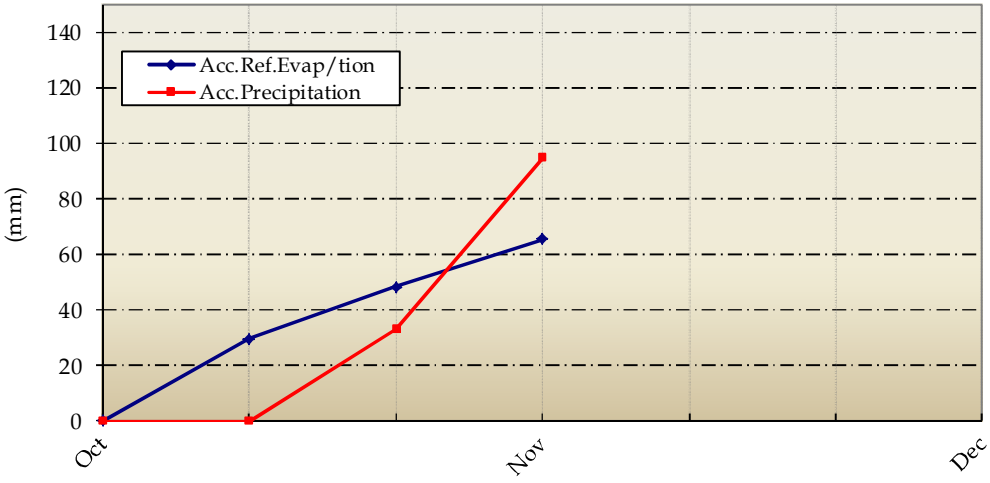
Agrometeorological Data — October 2026

Larisa

3rd 10-day period (21-31/10/2026)		21	22	23	24	25	26	27	28	29	20	31	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	23.2	26.4	25.6	22.8	20.2	16.7	16.6	13.6	21.4	17.0	19.0	20.2	23.7	20.4
	Min	9.2	15.0	11.0	10.6	13.2	13.3	10.2	8.6	12.6	13.4	12.8	11.8	9.8	9.2
Relative Humidity	Max	100	100	100	100	100	100	100	100	100	100	100	100	97	94
	Min	53	49	43	48	65	43	37	67	44	82	64	54	46	50
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-	15.8
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-	16.5
Sunshine Duration		6.7	6.1	6.7	8.0	1.7	0.0	2.2	0.0	5.9	0.0	2.3	3.6	5.9	3.1
Precipitation			0.7			23.9	15.0	1.0	14.2		7.0		61.8	8.9	17.6
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	-	37.2
Growing Degrees	5	11.2	15.7	13.3	11.7	11.7	10.0	8.4	6.1	12.0	10.2	10.9	121.2	129.4	99.3
	10	6.2	10.7	8.3	6.7	6.7	5.0	3.4	1.1	7.0	5.2	5.9	66.2	74.4	48.9

3rd 10-day period (21-31/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	17.1	19.6	15.6
Precipitation - Reference Evapotranspiration	44.7	-10.7	2.0
Number of Rainy Days	6.0	1.0	2.5
Number of Dry Days	4.0	8.0	-

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



Agrometeorological Data — October 2026

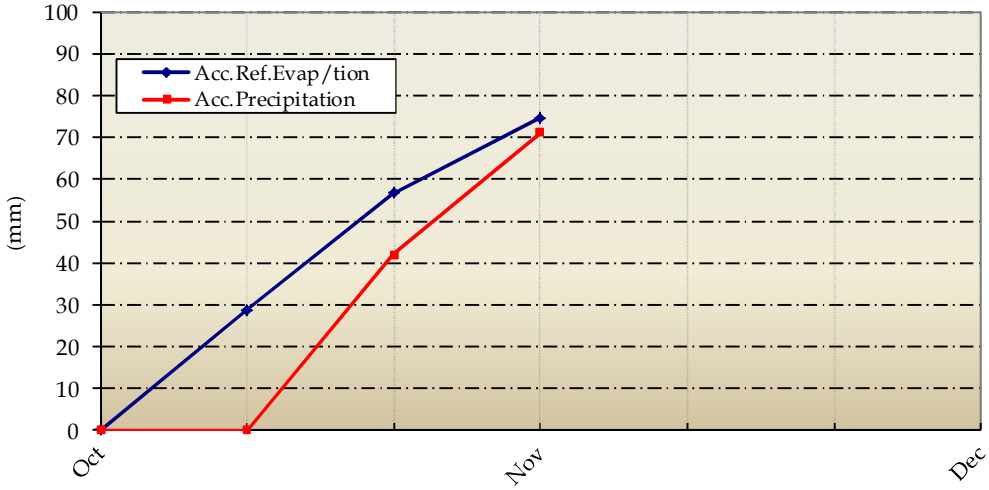
Mikra

3rd 10-day period (21-31/10/2026)		21	22	23	24	25	26	27	28	29	20	31	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	23.3	22.4	22.2	21.3	20.1	18.6	19.0	17.6	20.9	18.4	15.4	19.9	21.4	19.4
	Min	11.0	13.5	16.8	11.6	14.0	14.6	9.0	9.6	13.7	13.0	13.8	12.8	11.6	10.9
Relative Humidity	Max	100	100	100	94	95	100	100	100	76	100	100	97	97	86
	Min	57	69	46	64	66	50	38	59	52	81	98	62	50	53
Soil Temperature at 10 cm	06 UTC	16.0	17.5	18.5	16.8	17.6	17.4	16.2	14.0	14.6	16.0	16.0	16.4	16.4	15.2
	12 UTC	18.8	19.4	23.0	18.8	18.8	18.1	15.7	13.4	16.2	15.8	16.2	17.7	18.5	17.6
Sunshine Duration		5.9	4.9	9.8	6.2	1.4	0.0	4.6	0.0	6.2	0.0	0.0	3.5	5.7	3.8
Precipitation			0.7			0.4	1.1		11.3		12.7	2.9	29.1	7.6	16.9
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	-	39.5
Growing Degrees	5	12.2	13.0	14.5	11.5	12.1	11.6	9.0	8.6	12.3	10.7	9.6	124.9	126.7	107.1
	10	7.2	8.0	9.5	6.5	7.1	6.6	4.0	3.6	7.3	5.7	4.6	69.9	71.7	55.3

3rd 10-day period (21-31/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	18.0	17.7	14.1
Precipitation - Reference Evapotranspiration	11.1	-10.1	2.8
Number of Rainy Days	6.0	1.0	2.4
Number of Dry Days	7.0	8.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



Agrometeorological Data — October 2026

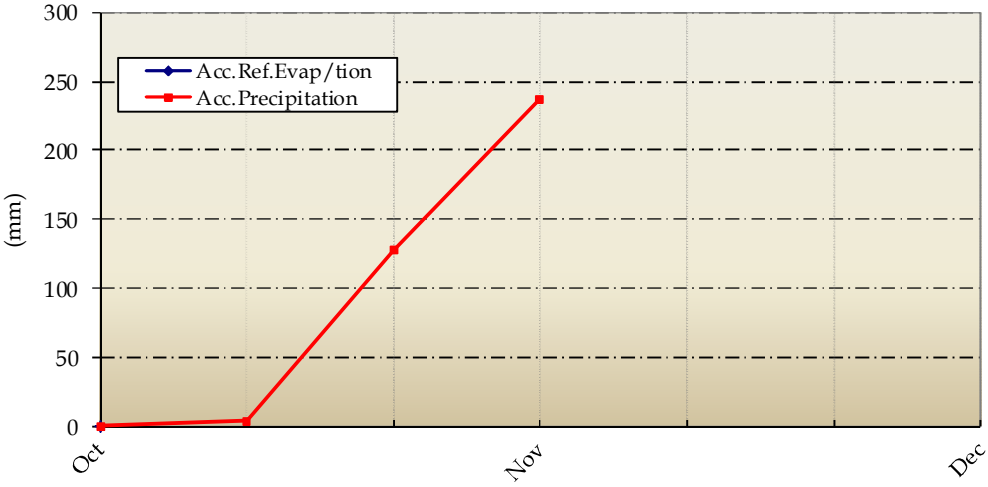
Tanagra

3rd 10-day period (21-31/10/2026)		21	22	23	24	25	26	27	28	29	20	31	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	23.1	25.6	24.7	22.2	18.8	17.2	15.6	10.8	17.4	18.0	16.9	19.1	23.5	20.8
	Min	9.1	14.2	13.8	11.8	12.5	13.1	13.4	7.5	7.8	13.3	12.3	11.7	12.0	11.2
Relative Humidity	Max	98	97	98	96	100	100	99	100	96	97	99	98	89	92
	Min	54	50	42	45	78	85	56	62	62	67	72	61	43	50
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sunshine Duration		8.0	7.0	8.0	8.3	0.0	0.0	1.3	1.5	0.6	0.9	0.0	3.2	5.8	4.8
Precipitation						9.3	47.6	10.9	38.5	3.5		0.1	109.9	0.3	18.5
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	-	34.8
Growing Degrees	5	11.1	14.9	14.3	12.0	10.7	10.2	9.5	4.2	7.6	10.7	9.6	114.6	140.5	97.1
	10	6.1	9.9	9.3	7.0	5.7	5.2	4.5	0.0	2.6	5.7	4.6	60.4	85.5	52.7

3rd 10-day period (21-31/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	-	-	
Precipitation - Reference Evapotranspiration	-	-	
Number of Rainy Days	6.0	1.0	2.0
Number of Dry Days	7.0	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



Agrometeorological Data — October 2026

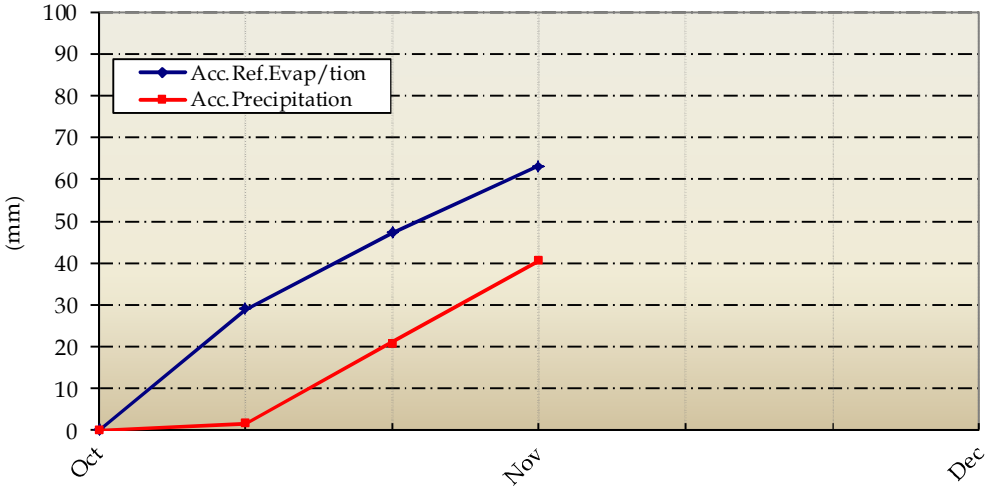
Tripoli

3rd 10-day period (21-31/10/2026)		21	22	23	24	25	26	27	28	29	20	31	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	23.8	22.7	23.7	22.3	18.1	15.6	19.1	15.2	19.7	18.2	15.8	19.5	20.7	19.3
	Min	5.6	9.8	6.3	5.4	6.1	8.6	10.1	5.5	3.5	7.5	10.5	7.2	9.0	6.5
Relative Humidity	Max	97	97	98	-	98	98	95	94	95	97	98	97	97	95
	Min	28	48	24	33	51	71	46	41	44	50	68	46	46	48
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-	11.2
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	-	15.4
Sunshine Duration		7.2	4.4	8.5	8.2	2.0	0.4	7.0	6.2	5.5	5.6	1.9	5.2	6.3	4.1
Precipitation					0.0	11.7	1.8		0.0		0.0	6.1	19.6	23.2	20.3
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	-	23.3
Growing Degrees	5	9.7	11.3	10.0	8.9	7.1	7.1	9.6	5.4	6.6	7.9	8.2	91.6	108.5	69.5
	10	4.7	6.3	5.0	3.9	2.1	2.1	4.6	0.4	1.6	2.9	3.2	36.6	53.5	28.1

3rd 10-day period (21-31/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	15.9	18.1	11.1
Precipitation - Reference Evapotranspiration	3.7	5.1	9.2
Number of Rainy Days	3.0	4.0	2.4
Number of Dry Days	7.0	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 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 ^{o}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.

Mesurements Units

- Temperature : ^{o}C
- Relative Humidity : %
- Soil Temperature : ^{o}C
- Sunshine Duration : Hours
- Precipitation : mm
- Evaporation (Pan) : mm
- Growing Degrees : ^{o}C

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

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