AGROMETEOROLOGICAL BULLETIN

October 2026
2nd 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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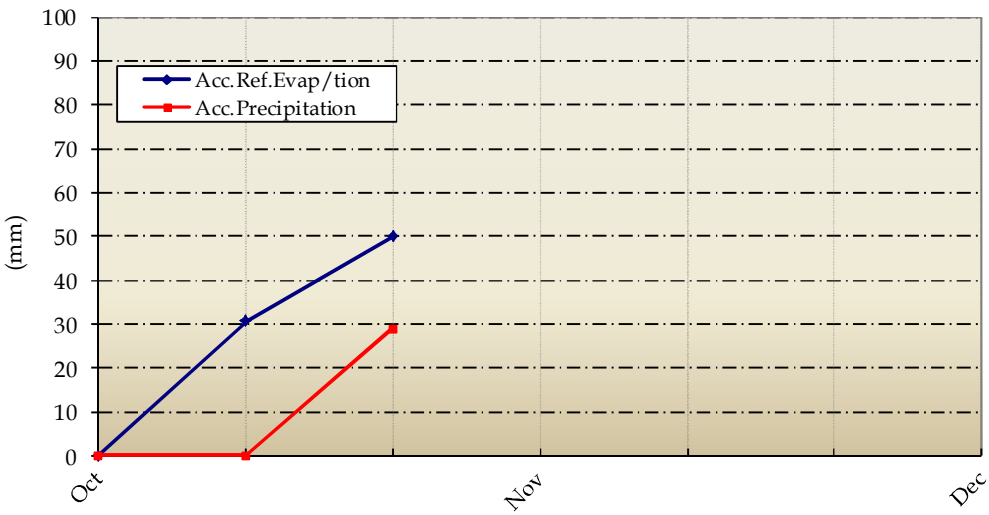
www.meteohellas.gr

Alexandroupoli

2nd 10-day period (11-20/10/2026)		11	12	13	14	15	16	17	18	19	20	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	24.8	23.4	19.2	15.0	20.8	17.0	17.0	17.6	20.6	21.4	19.7	20.1	21.1
	Min	12.8	16.0	14.0	12.0	12.6	8.0	9.0	6.4	8.4	9.6	10.9	12.3	11.5
Relative Humidity	Max	98	94	90	90	73	86	82	95	95	95	90	90	89
	Min	53	64	71	61	30	45	37	58	65	65	55	55	53
Soil Temperature at 10 cm	06 UTC	20.8	21.0	20.4	15.0	14.4	14.4	13.0	13.4	14.2	15.2	16.2	16.4	14.5
	12 UTC	24.6	23.6	20.0	15.0	18.2	16.4	16.7	17.0	18.8	19.6	19.0	18.7	18.6
Sunshine Duration		7.9	5.5	0.0	0.0	5.9	4.4	8.8	5.6	8.9	9.1	5.6	3.7	4.4
Precipitation			9.9	3.3	9.3	1.0	0.1		5.3			28.9	2.4	12.2
Evaporation		6.9	3.0	0.0	0.6	5.0	4.2	2.8	0.6	1.8	3.5	28.4	25.9	37.3
Growing Degrees	5	13.8	14.7	11.6	8.5	11.7	7.5	8.0	7.0	9.5	10.5	102.8	112.2	101.5
	10	8.8	9.7	6.6	3.5	6.7	2.5	3.0	2.0	4.5	5.5	52.8	62.2	57.1

2nd 10-day period (11-20/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	19.5	16.5	16.8
Precipitation - Reference Evapotranspiration	9.4	-14.1	-4.6
Number of Rainy Days	6.0	2.0	1.8
Number of Dry Days	12.0	7.0	-

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



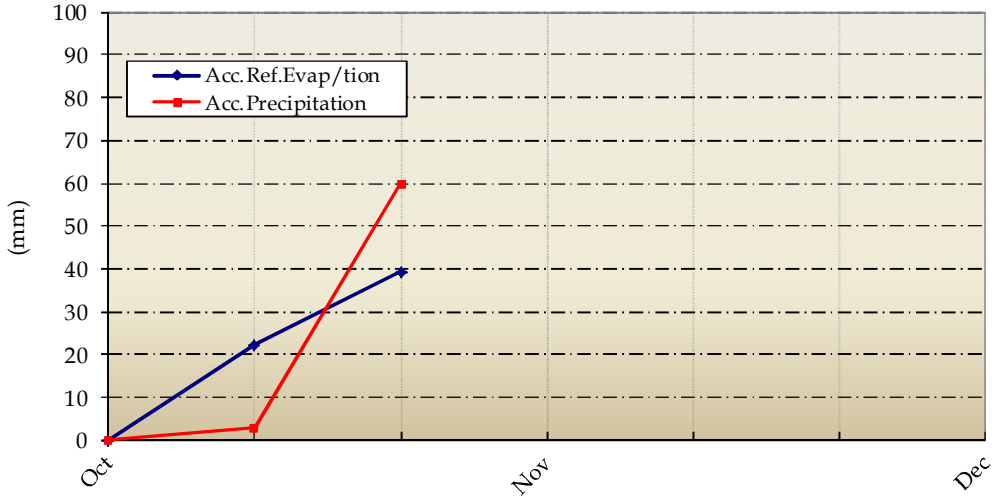
Andravida

2nd 10-day period (11-20/10/2026)		11	12	13	14	15	16	17	18	19	20	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	24.6	24.0	19.8	21.6	23.1	22.6	20.0	21.8	22.4	23.8	22.4	23.1	24.4
	Min	18.9	16.8	15.6	13.9	10.8	9.8	9.2	10.6	11.6	12.5	13.0	14.9	13.7
Relative Humidity	Max	100	100	100	81	100	100	85	84	100	92	94	99	92
	Min	69	54	75	47	42	41	41	48	46	51	51	59	49
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	18.8
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	22.2
Sunshine Duration		3.6	3.8	1.0	6.1	9.8	7.6	9.7	9.3	9.5	9.1	7.0	4.4	4.9
Precipitation		14.4	0.3	32.9	9.5		0.2					57.3	55.4	29.0
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	69.7
Growing Degrees	5	16.8	15.4	12.7	12.8	12.0	11.2	9.6	11.2	12.0	13.2	126.7	140.2	117.7
	10	11.8	10.4	7.7	7.8	7.0	6.2	4.6	6.2	7.0	8.2	76.7	90.2	75.7

2nd 10-day period (11-20/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	17.1	15.3	22.4
Precipitation - Reference Evapotranspiration	40.2	40.1	6.6
Number of Rainy Days	5.0	5.0	2.0
Number of Dry Days	1.0	5.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



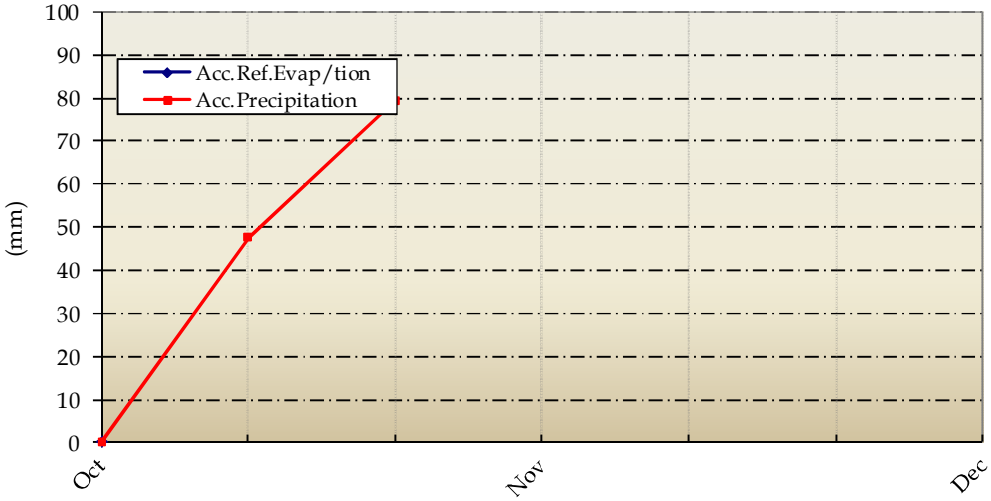
Iraklio

2nd 10-day period (11-20/10/2026)		11	12	13	14	15	16	17	18	19	20	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	26.0	26.2	26.0	20.0	18.6	21.0	17.8	20.6	22.4	22.4	22.1	24.0	24.7
	Min	15.4	19.0	18.2	18.0	17.0	18.0	13.0	11.4	15.0	14.4	15.9	16.8	17.8
Relative Humidity	Max	88	85	94	90	86	89	89	95	85	91	89	82	85
	Min	53	54	46	55	66	54	58	51	60	58	56	54	58
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	
Sunshine Duration		9.5	8.0	2.1	0.9	0.0	9.4	5.8	9.3	9.0	9.6	6.4	7.9	4.7
Precipitation				4.6	13.3	4.5		9.4				31.8	0.1	23.2
Evaporation		4.5	5.4	2.2	0.2	3.5	2.1	1.2	5.5	0.2	4.5	29.3	41.4	47.1
Growing Degrees	5	15.7	17.6	17.1	14.0	12.8	14.5	10.4	11.0	13.7	13.4	140.2	154.0	154.9
	10	10.7	12.6	12.1	9.0	7.8	9.5	5.4	6.0	8.7	8.4	90.2	104.0	107.0

2nd 10-day period (11-20/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	-	-	
Precipitation - Reference Evapotranspiration	-	-	
Number of Rainy Days	4.0	1.0	1.9
Number of Dry Days	8.0	12.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



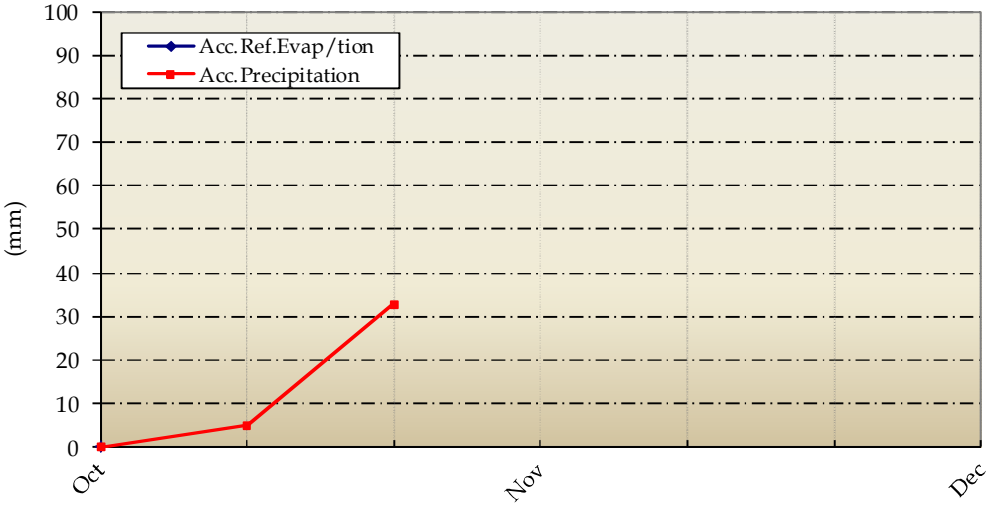
Ioannina

2nd 10-day period (11-20/10/2026)		11	12	13	14	15	16	17	18	19	20	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	19.0	20.6	13.8	19.6	21.0	18.2	17.2	18.0	22.2	21.6	19.1	20.4	21.0
	Min	13.0	13.6	12.0	11.6	3.5	4.0	5.0	3.0	3.6	4.0	7.3	8.3	8.8
Relative Humidity	Max	100	100	100	94	100	100	100	100	100	100	99	100	96
	Min	60	65	50	37	30	26	30	26	42	37	40	51	52
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	14.0
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	15.4
Sunshine Duration		1.9	4.7	0.0	6.8	8.3	3.3	9.5	8.5	7.2	8.3	5.8	5.1	3.7
Precipitation		20.5	0.0	7.2	0.1			0.1		0.0		27.9	44.2	42.3
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	
Growing Degrees	5	11.0	12.1	7.9	10.6	7.3	6.1	6.1	5.5	7.9	7.8	82.3	93.2	81.9
	10	6.0	7.1	2.9	5.6	2.3	1.1	1.1	0.5	2.9	2.8	32.3	43.2	41.1

2nd 10-day period (11-20/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	-	-	17.3
Precipitation - Reference Evapotranspiration	-	-	25.0
Number of Rainy Days	4.0	3.0	2.6
Number of Dry Days	1.0	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



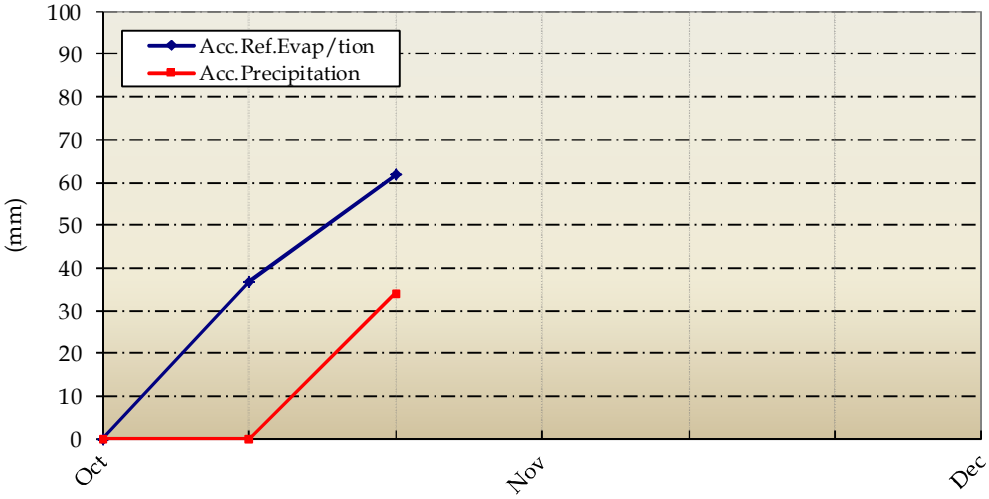
Kalamata

2nd 10-day period (11-20/10/2026)		11	12	13	14	15	16	17	18	19	20	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	25.4	26.5	19.2	23.8	23.8	23.7	21.2	23.1	22.8	23.8	23.3	23.8	25.0
	Min	16.4	15.3	14.5	14.4	11.3	11.7	9.3	7.8	9.5	10.5	12.1	15.0	13.6
Relative Humidity	Max	97	97	97	97	95	95	96	92	94	94	95	96	91
	Min	67	47	77	40	38	45	34	42	41	50	48	57	48
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	19.3
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	21.1
Sunshine Duration		4.1	5.9	0.0	7.8	9.9	7.1	10.0	8.9	9.1	9.2	7.2	4.3	5.7
Precipitation		16.5	1.8	8.7	4.2		0.8	2.0				34.0	35.1	20.6
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	45.0
Growing Degrees	5	15.9	15.9	11.9	14.1	12.6	12.7	10.3	10.5	11.2	12.2	127.0	143.9	127.9
	10	10.9	10.9	6.9	9.1	7.6	7.7	5.3	5.5	6.2	7.2	77.0	93.9	82.8

2nd 10-day period (11-20/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	24.8	20.5	19.1
Precipitation - Reference Evapotranspiration	9.2	14.6	1.5
Number of Rainy Days	6.0	6.0	2.4
Number of Dry Days	10.0	5.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

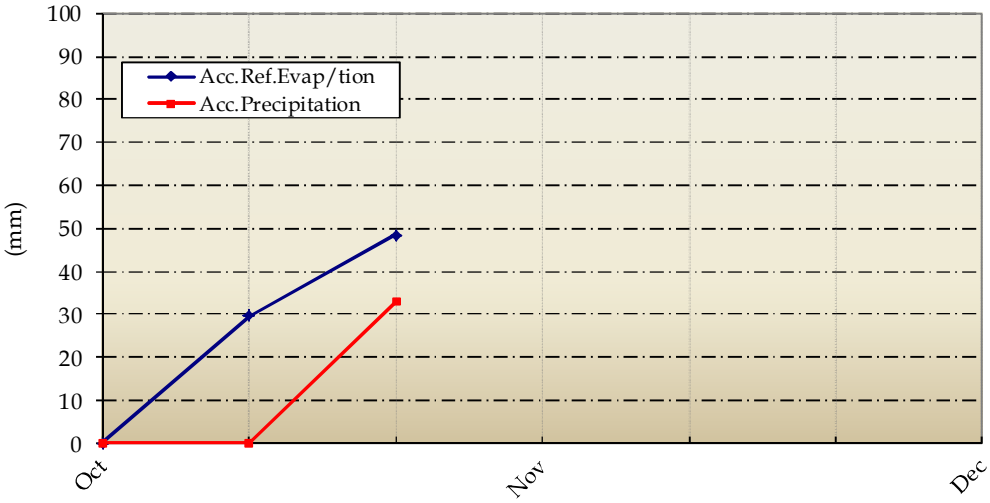


Larisa

2nd 10-day period (11-20/10/2026)		11	12	13	14	15	16	17	18	19	20	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	23.8	24.2	17.4	15.0	21.6	19.6	18.0	21.6	24.5	24.6	21.0	21.0	23.1
	Min	14.4	12.6	12.4	10.8	6.8	7.1	6.0	3.8	5.0	7.6	8.6	11.0	11.1
Relative Humidity	Max	100	100	100	100	100	100	100	100	100	100	100	95	93
	Min	71	13	92	62	31	34	36	33	34	35	44	51	44
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	17.7
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	18.6
Sunshine Duration		2.6	3.9	0.0	0.0	7.7	6.5	9.3	9.3	8.9	7.9	5.6	4.7	3.5
Precipitation		2.1	0.9	14.6	14.4		0.0	0.9				32.9	9.6	16.7
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	34.8
Growing Degrees	5	14.1	13.4	9.9	7.9	9.2	8.4	7.0	7.7	9.8	11.1	98.4	109.8	111.4
	10	9.1	8.4	4.9	2.9	4.2	3.4	2.0	2.7	4.8	6.1	48.4	59.8	65.2

2nd 10-day period (11-20/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	18.7	18.3	16.7
Precipitation - Reference Evapotranspiration	14.2	-8.7	0.0
Number of Rainy Days	5.0	2.0	2.2
Number of Dry Days	14.0	9.0	-

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



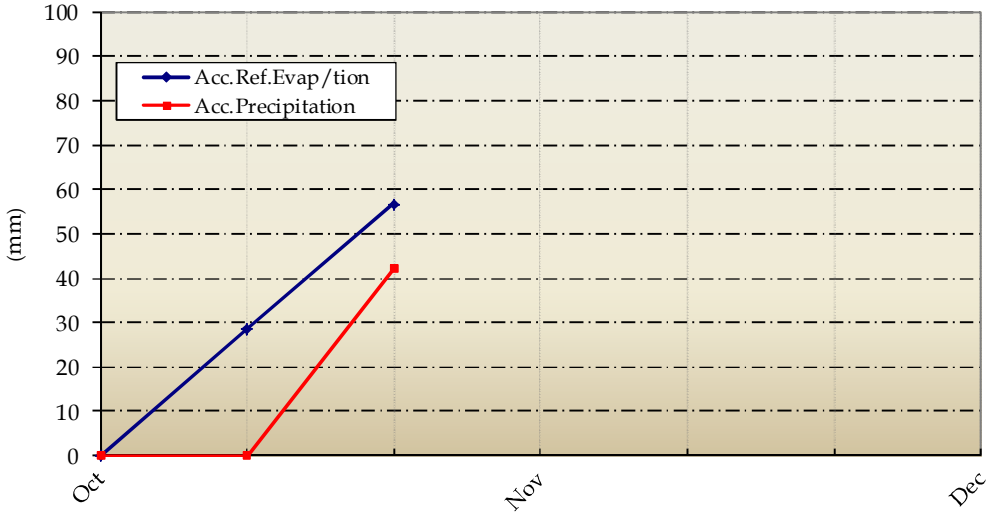
Mikra

2nd 10-day period (11-20/10/2026)		11	12	13	14	15	16	17	18	19	20	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	23.4	23.0	21.2	17.3	20.1	20.6	18.7	20.5	24.0	24.0	21.3	20.2	21.7
	Min	14.8	15.8	12.6	12.7	12.4	9.2	6.0	7.2	13.4	11.6	11.6	12.2	12.9
Relative Humidity	Max	100	100	100	85	57	86	95	92	79	100	89	89	84
	Min	64	41	53	51	35	33	33	38	42	62	45	53	49
Soil Temperature at 10 cm	06 UTC	20.8	19.2	17.8	15.2	14.2	14.8	14.0	13.8	15.1	15.6	16.0	16.6	17.2
	12 UTC	22.8	24.8	17.3	14.8	17.2	16.5	16.6	17.2	18.8	20.2	18.6	18.6	20.1
Sunshine Duration		0.1	6.5	0.0	0.0	7.4	5.4	10.1	8.7	9.8	9.6	5.8	5.7	4.1
Precipitation		7.3		20.9	13.9							42.1	0.7	11.3
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	37.6
Growing Degrees	5	14.1	14.4	11.9	10.0	11.3	9.9	7.4	8.9	13.7	12.8	114.3	112.4	115.0
	10	9.1	9.4	6.9	5.0	6.3	4.9	2.4	3.9	8.7	7.8	64.3	62.4	68.2

2nd 10-day period (11-20/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	28.0	20.5	17.0
Precipitation - Reference Evapotranspiration	14.1	-19.8	-5.7
Number of Rainy Days	3.0	2.0	1.9
Number of Dry Days	14.0	9.0	-

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

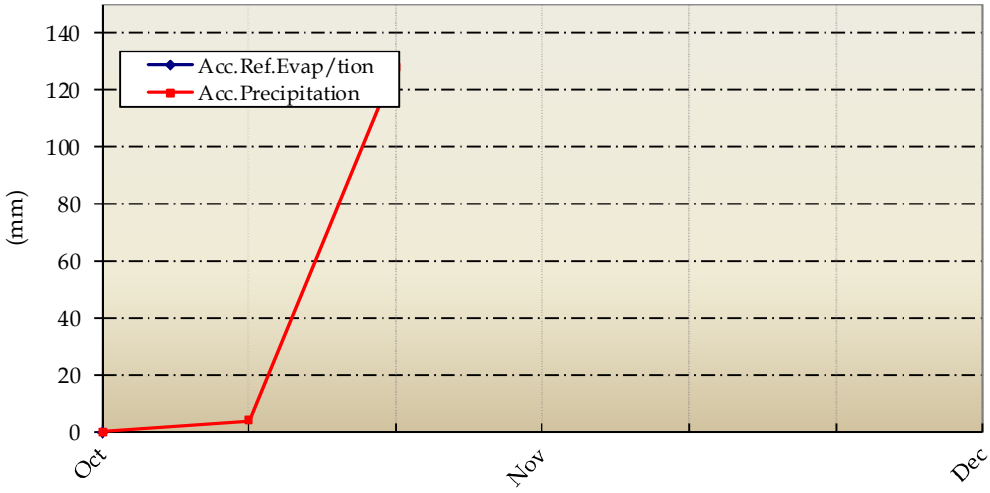
Tanagra

2nd 10-day period (11-20/10/2026)		11	12	13	14	15	16	17	18	19	20	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	25.8	22.2	18.6	15.8	18.2	17.8	15.5	20.2	22.2	23.2	20.0	20.9	22.9
	Min	13.8	14.3	13.8	11.7	13.8	8.2	8.9	5.0	8.2	8.5	10.6	12.3	12.9
Relative Humidity	Max	99	99	100	94	83	95	98	96	93	98	96	91	92
	Min	50	55	70	69	44	46	51	29	35	34	48	49	44
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	
Sunshine Duration		4.1	4.7	0.0	1.7	5.6	3.7	5.1	9.3	9.2	9.3	5.3	4.1	4.9
Precipitation		31.3		28.0	50.5	0.0	0.0	14.1				123.9	8.6	11.1
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	35.9
Growing Degrees	5	14.8	13.3	11.2	8.8	11.0	8.0	7.2	7.6	10.2	10.9	102.9	115.9	111.6
	10	9.8	8.3	6.2	3.8	6.0	3.0	2.2	2.6	5.2	5.9	52.9	65.9	68.6

2nd 10-day period (11-20/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	-	-	
Precipitation - Reference Evapotranspiration	-	-	
Number of Rainy Days	4.0	4.0	1.8
Number of Dry Days	8.0	9.0	-

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

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



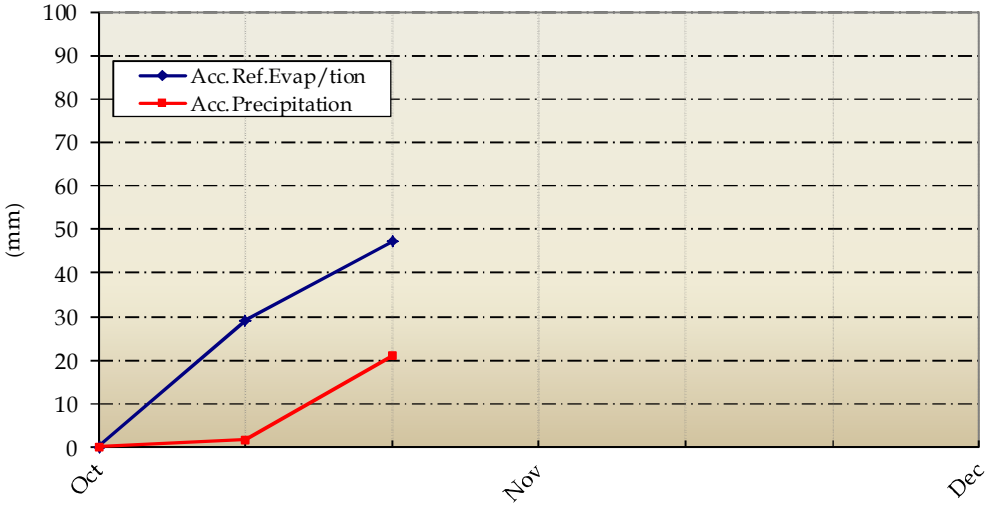
Tripoli

2nd 10-day period (11-20/10/2026)		11	12	13	14	15	16	17	18	19	20	Mean Value or Sum	Previous Year Value	Past Years Mean Value
Temperature	Max	23.8	21.7	15.7	16.9	19.0	17.4	15.6	19.7	21.5	23.4	19.5	18.8	21.6
	Min	10.5	11.9	10.0	9.2	7.8	4.9	4.4	2.3	3.0	4.6	6.9	10.5	7.9
Relative Humidity	Max	98	93	97	93	90	96	98	98	98	98	96	97	95
	Min	43	43	75	49	40	39	43	35	32	28	43	56	44
Soil Temperature at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	13.2
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	17.6
Sunshine Duration		5.1	5.9	0.3	3.4	9.7	5.7	8.6	8.9	8.7	8.3	6.5	3.0	4.2
Precipitation		1.0		2.7	4.4		0.0	11.1				19.2	45.2	17.6
Evaporation		-	-	-	-	-	-	-	-	-	-	-	-	31.5
Growing Degrees	5	12.2	11.8	7.9	8.1	8.4	6.2	5.0	6.0	7.3	9.0	81.7	96.7	77.2
	10	7.2	6.8	2.9	3.1	3.4	1.2	0.0	1.0	2.3	4.0	31.7	46.7	37.6

2nd 10-day period (11-20/10/2026)		Previous Year Value	Past Years Mean Value
Reference Evapotranspiration	18.2	14.1	14.8
Precipitation - Reference Evapotranspiration	1.0	31.1	2.8
Number of Rainy Days	4.0	5.0	2.4
Number of Dry Days	0.0	7.0	

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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