

Vegetation, riutrition and climate – data-table!

(4) Climate

Co-ordinator: R.L. Specht

Contributors

R.L. Specht (Australia)
R.L. Specht, P.H. Zedler (California and Arizona)
R. Gajardo, E.J. Hajek, L.B. Hutley, J.D. Molina
R.L. Specht (Chile)
M. Arianoutsou, L.B. Hutley, R.L. Specht (Greece)
R. Berliner, L.B. Hutley, R.L. Specht (Israel)
L. Ahdnli, Ph. Daget (Mediterranean Basin)
F.M. Catarino, A. D. Correia (Portugal)
E.I. Moll, R.L. Specht (South Africa)
C.A. Gracia (Spain)

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Table 26. Climatic data for Greece – Growth indices. Compiled by M. Arianoutsou, L.B. Hutley, S. Paraskevopoulos and R.L. Specht.

Climatic station	Annual precip. (mm)	Annual* pan evap. (mm)	Evap. coeff. (k)	Smax (cm)	Moisture Index		Summer drought (mo) ⁺	T.I. x M.I. (Ann. Total)	
					Annual	Summer **		Temp.	Subtrop.
Agrinion	1,010	1,564	0.034	30+	0.69	0.13	1 (3)	1.82	1.34
Alexandroupolis	575	1,366	0.040	21	0.58	0.12	1 (3)	1.00	0.82
Anoghia (Crete)	1,109	1,318	0.046	30+	0.72	0.08	2 (3)	1.84	1.22
Argostolion (Kefallinia)	1,085	1,399	0.042	30+	0.73	0.14	1 (2)	2.96	1.90
Athens (Hellinikon)	359	1,689	0.033	14	0.32	0.04	3 (4)	1.03	0.66
Corfu	1,276	1,394	0.040	30+	0.77	0.20	1 (2)	2.39	1.76
Ierapetra (Crete)	548	1,601	0.035	27	0.51	0.03	3 (4)	3.08	1.03
Kalamata (Peloponnisos)	832	1,422	0.044	30+	0.68	0.10	1 (3)	2.75	1.68
Kavalla	570	1,316	0.044	18	0.58	0.12	1 (2)	1.03	0.78
Kimi	1,116	1,389	0.042	30+	0.73	0.16	1 (2)	1.86	1.21
Konitsa	1,081	1,354	0.041	30+	0.78	0.26	0 (1)	1.97	1.52
Kozani	589	1,277	0.043	15	0.56	0.21	0 (2)	1.02	0.92
Lesvos	725	1,597	0.035	30+	0.59	0.04	3 (4)	1.82	1.08
Methoni (Peloponnisos)	769	1,273	0.055	30+	0.71	0.09	2 (3)	2.88	2.05
Rhodes (Rodhos)	789	1,541	0.037	30+	0.60	0.04	3 (3)	2.30	1.42
Thessaloniki	473	1,387	0.040	14	0.44	0.12	1 (3)	0.70	0.85
Volos	446	1,449	0.039	14	0.41	0.10	1 (3)	1.06	0.78

* Estimated by the technique of Fitzpatrick, E. A. (1963) *J. Appl. Met.* 2: 780–792.

+ Months with M.I. < 0.10 and, in parentheses, M.I. < 0.20.

++ Driest (summer) months = July, August, September.

Table 27. Climate stations in Israel – Compiled by Ruhama Berliner and R.L. Specht.

Climate station	Latitude (North)	Longitude (East)	Altitude (m)	Vegetation type
Akko	32° 56'	35° 06'	10	hydrophilic salinas
Ashdot Yaaqov	32° 39'	35° 35'	200	hydrophilic (<i>Populus, Tamarix</i>)
Avedat	30° 48'	34° 46'	525	<i>Artemisia, Zygophyllum</i>
Beer Sheva	31–14'	34° 47'	270	segetal (<i>Achillea</i>)
Bet Dagan	32–00'	34° 50'	40	segetal (<i>Eragrostis</i>)
Bet Netofa	32° 51'	35° 20'	225	open forest and maquis (<i>Quercus, Styrax</i>) → segetal
Bet Qama	31° 27'	34° 46'	250	segetal (<i>Achillea</i>)
Elat	29° 33'	34° 57'	12	<i>Acacia</i> spp., <i>Hyphaene</i>
En Shemer	32° 28'	35° 01'	40	open forest (<i>Quercus, Styrax</i>) → batha & segetal
Erez	31° 34'	34° 34'	50	<i>Artemisia, Aristida, Retama</i>
Even Sapir	31° 46'	35° 08'	650	maquis (<i>Quercus, Pistacia</i>)
Gerar	31° 14'	34° 42'	225	segetal (<i>Achillea</i>)
Gilat	31° 19'	34° 39'	130	segetal (<i>Achillea</i>)
Hula Farm	33° 09'	35° 37'	70	hydrophilic (<i>Cyperus</i>)
Hulata	33° 03'	35° 36'	70	hydrophilic (<i>Cyperus</i>)
Kefar Yehezqel	32° 34'	35° 22'	30	batha
Kishon Reservoir	32° 38'	35° 08'	50	hydrophilic (<i>Phragmites</i>) → segetal + <i>Prosopis</i>
Lahav	31° 23'	34° 52'	440	batha & garrigue
Lod	32° 00'	34° 54'	40	segetal + <i>Prosopis</i>
Mevo Betar	31° 43'	35° 06'	760	maquis (<i>Quercus, Pistacia</i>)
Mishmar Ayyalon	31° 52'	34° 57'	150	(open maquis → batha & segetal + <i>Prosopis</i>)
Mizpe Ramon	31° 46'	35° 30'	– 385	very open forest (<i>Pistacia</i>) → <i>Artemisia, Zygophyllum</i>
Mishmar Ha Negev	31° 22'	34° 43'	200	<i>Artemisia, Asphodelus</i>
Nahal Shiqma	31° 30'	34° 39'	110	batha and garrigue
Nahariyya	33° 00'	35° 05'	5	maquis & garrigue → batha
Negba	31° 40'	34° 41'	85	coastal batha → segetal + <i>Prosopis</i>
Nir Yizhaq	31° 14'	34° 20'	70	<i>Artemisia, Lolium</i>
Ramat Yishay	32° 43'	35° 12'	125	open forest (<i>Quercus, Styrax</i>) → segetal
Saad	31° 28'	34° 32'	100	<i>Artemisia, Aristida</i>
Sasa	33° 02'	35° 24'	880	forests & maquis (<i>Quercus, Pistacia</i>)
Sede Moshe	31° 36'	34° 48'	130	batha → segetal + <i>Prosopis</i>
Sedom Pans	31° 02'	35° 23'	– 390	<i>Arthrocnemum, Suaeda, Tamarix</i>
Sheihot	32° 28'	35° 29'	110	batha → segetal + <i>Prosopis</i>
Talme Yafe	31° 43'	34° 45'	80	batha & garrigue (<i>Prosopis</i>)
Tal Shahaar	31° 48'	34° 55'	150	segetal + <i>Prosopis</i>
Tirat Zevi	32° 25'	35° 32'	220	batha + <i>Ziziphus</i>
Yavne	31° 54'	34° 46'	20	coastal batha → segetal + <i>Prosopis</i>
Zeelim	31° 12'	34° 32'	140	<i>Artemisia, Lolium</i>
Zora	31° 46'	34° 59'	350	open maquis & garrigue (<i>Ceratonia, Pistacia</i>) → batha