Lesson 8: Evaporation Methods

Penman Approach *[Bras 1990]*

TABLE 5.2 Δ/γ versus Temperature T, °C

T	Δ/γ	T	Δ/γ	T	Δ/γ	T	Δ/γ	T	Δ/γ	T	Δ/γ
0.0	0.67	10.0	1.23	20.0	2.14	30.0	3.57	40.0	5.70	50.0	8.77
0.5	0.69	10.5	1.27	20.5	2.20	30.5	3.66	40.5	5.83	50.5	8.96
1.0	0.72	11.0	1.30	21.0	2.26	31.0	3.75	41.0	5.96	51.0	9.14
1.5	0.74	11.5	1.34	21.5	2.32	31.5	3.84	41.5	6.09	51.5	9.33
2.0	0.76	12.0	1.38	22.0	2.38	32.0	3.93	42.0	6.23	52.0	9.52
2.5	0.79	12.5	1.42	22.5	2.45	32.5	4.03	42.5	6.37	52.5	9.72
3.0	0.81	13.0	1.46	23.0	2.51	33.0	4.12	43.0	6.51	53.0	9.92
3.5	0.84	13.5	1.50	23.5	2.58	33.5	4.22	43.5	6.65	53.5	10.10
4.0	0.86	14.0	1.55	24.0	2.64	34.0	4.32	44.0	6.80	54.0	10.30
4.5	0.89	14.5	1.59	24.5	2.71	34.5	4.43	44.5	6.95	54.5	10.50
5.0	0.92	15.0	1.64	25.0	2.78	35.0	4.53	45.0	7.10	55.0	10.80
5.5	0.94	15.5	1.68	25.5	2.85	35.5	4.64	45.5	7.26	55.5	11.00
6.0	0.97	16.0	1.73	26.0	2.92	36.0	4.75	46.0	7.41	56.0	11.20
6.5	1.00	16.5	1.78	26.5	3.00	36.5	4.86	46.5	7.57	56.5	11.40
7.0	1.03	17.0	1.82	27.0	3.08	37.0	4.97	47.0	7.73	57.0	11.60
7.5	1.06	17.5	1.88	27.5	3.15	37.5	5.09	47.5	7.90	57.5	11.90
8.0	1.10	18.0	1.93	28.0	3.23	38.0	5.20	48.0	8.07	58.0	12.10
8.5	1.13	18.5	1.98	28.5	3.31	38.5	5.32	48.5	8.24	58.5	12.30
9.0	1.16	19.0	2.03	29.0	3.40	39.0	5.45	49.0	8.42	59.0	12.60
9.5	1.20	19.5	2.09	29.5	3.48	39.5	5.57	49.5	8.60	59.5	12.80
10.0	1.23	20.0	2.14	30.0	3.57	40.0	5.70	50.0	8.77	60.0	13.10

Source: C. H. M. Van Bavel, "Potential Evaporation: The Combination Concept and Its Experimental Verification," *Water Resources Res.* 2(3):467, 1966. Copyright by the American Geophysical Union.