



Values of midday stem water potential (SWP in Bars tension) to expect for fully irrigated walnut trees under different conditions of air temperature and relative humidity.

(Table courtesy of Ken Shackel, Department of Pomology, University of California Davis)

		Air Temp (°F)																										
		68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
RH (%)	10	-4.1	-4.2	-4.3	-4.4	-4.5	-4.7	-4.8	-4.9	-5.1	-5.2	-5.4	-5.6	-5.7	-5.9	-6.1	-6.3	-6.5	-6.8	-7.0	-7.3	-7.6	-7.8	-8.1	-8.5	-8.8	-9.1	-9.5
	15	-4.1	-4.1	-4.2	-4.3	-4.4	-4.6	-4.7	-4.8	-4.9	-5.1	-5.2	-5.4	-5.6	-5.7	-5.9	-6.1	-6.3	-6.6	-6.8	-7.0	-7.3	-7.6	-7.8	-8.1	-8.5	-8.8	-9.1
	20	-4.0	-4.1	-4.2	-4.2	-4.3	-4.5	-4.6	-4.7	-4.8	-5.0	-5.1	-5.2	-5.4	-5.6	-5.7	-5.9	-6.1	-6.3	-6.6	-6.8	-7.0	-7.3	-7.5	-7.8	-8.1	-8.4	-8.8
	25	-3.9	-4.0	-4.1	-4.2	-4.3	-4.4	-4.5	-4.6	-4.7	-4.8	-4.9	-5.1	-5.2	-5.4	-5.6	-5.7	-5.9	-6.1	-6.3	-6.5	-6.8	-7.0	-7.2	-7.5	-7.8	-8.1	-8.4
	30	-3.8	-3.9	-4.0	-4.1	-4.2	-4.2	-4.3	-4.5	-4.6	-4.7	-4.8	-4.9	-5.1	-5.2	-5.4	-5.5	-5.7	-5.9	-6.1	-6.3	-6.5	-6.7	-7.0	-7.2	-7.5	-7.7	-8.0
	35	-3.8	-3.8	-3.9	-4.0	-4.1	-4.1	-4.2	-4.3	-4.4	-4.5	-4.7	-4.8	-4.9	-5.0	-5.2	-5.3	-5.5	-5.7	-5.8	-6.0	-6.2	-6.4	-6.7	-6.9	-7.1	-7.4	-7.6
	40	-3.7	-3.7	-3.8	-3.9	-4.0	-4.0	-4.1	-4.2	-4.3	-4.4	-4.5	-4.6	-4.7	-4.9	-5.0	-5.1	-5.3	-5.4	-5.6	-5.8	-6.0	-6.2	-6.4	-6.6	-6.8	-7.0	-7.3
	45	-3.6	-3.7	-3.7	-3.8	-3.9	-3.9	-4.0	-4.1	-4.2	-4.3	-4.4	-4.5	-4.6	-4.7	-4.8	-4.9	-5.1	-5.2	-5.4	-5.5	-5.7	-5.9	-6.1	-6.3	-6.5	-6.7	-6.9
	50	-3.5	-3.6	-3.6	-3.7	-3.8	-3.8	-3.9	-4.0	-4.1	-4.1	-4.2	-4.3	-4.4	-4.5	-4.6	-4.8	-4.9	-5.0	-5.1	-5.3	-5.4	-5.6	-5.8	-5.9	-6.1	-6.3	-6.5
	55	-3.5	-3.5	-3.6	-3.6	-3.7	-3.7	-3.8	-3.9	-3.9	-4.0	-4.1	-4.2	-4.3	-4.4	-4.4	-4.6	-4.7	-4.8	-4.9	-5.0	-5.2	-5.3	-5.5	-5.6	-5.8	-6.0	-6.1
	60	-3.4	-3.4	-3.5	-3.5	-3.6	-3.6	-3.7	-3.7	-3.8	-3.9	-3.9	-4.0	-4.1	-4.2	-4.3	-4.4	-4.5	-4.6	-4.7	-4.8	-4.9	-5.0	-5.2	-5.3	-5.5	-5.6	-5.8
	65	-3.3	-3.3	-3.4	-3.4	-3.5	-3.5	-3.6	-3.6	-3.7	-3.7	-3.8	-3.9	-3.9	-4.0	-4.1	-4.2	-4.2	-4.3	-4.4	-4.5	-4.6	-4.7	-4.9	-5.0	-5.1	-5.3	-5.4
	70	-3.2	-3.3	-3.3	-3.3	-3.4	-3.4	-3.5	-3.5	-3.5	-3.6	-3.6	-3.7	-3.8	-3.8	-3.9	-4.0	-4.0	-4.1	-4.2	-4.3	-4.4	-4.5	-4.6	-4.7	-4.8	-4.9	-5.0
	75	-3.2	-3.2	-3.2	-3.2	-3.3	-3.3	-3.3	-3.4	-3.4	-3.5	-3.5	-3.6	-3.6	-3.7	-3.7	-3.8	-3.8	-3.9	-4.0	-4.0	-4.1	-4.2	-4.3	-4.4	-4.4	-4.5	-4.6
	80	-3.1	-3.1	-3.1	-3.1	-3.2	-3.2	-3.2	-3.3	-3.3	-3.3	-3.4	-3.4	-3.4	-3.5	-3.5	-3.6	-3.6	-3.7	-3.7	-3.8	-3.8	-3.9	-4.0	-4.0	-4.1	-4.2	-4.3
	85	-3.0	-3.0	-3.0	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.2	-3.2	-3.2	-3.3	-3.3	-3.3	-3.4	-3.4	-3.4	-3.5	-3.5	-3.6	-3.6	-3.7	-3.7	-3.8	-3.8	-3.9

cool

normal

hot

