

**APPENDIX B** The appendix tables contain the default crop and soil information currently used in the SIMETAW model. The data include the crop number and name, percentage of the season from date A to dates B, C, and D, the crop coefficients  $K_{cB}$ ,  $K_{cC}$ ,  $K_{cD}$ , and  $K_{cE}$ , the maximum root depth, allowable depletion, and default planting and maturity dates

Crop Number	Crop Name	A to B %	A to C %	A to D %	$K_{cB}$	$K_{cC}$	$K_{cD}$	$K_{cE}$	Root Depth Maximum (m)	Allow Depletion (fraction)	Default planting month	default planting day	default maturity month	default maturity day
2.01	Alfalfa (annual)	25	50	75	1.00	1.00	1.00	1.00	2.0	0.55	11	1	5	31
1.01	Alfalfa (cycle)	7	30	99	0.25	1.05	1.05	0.25	2.0	0.55	6	20	7	20
1.49	Alfalfa (seed)	25	50	75	0.40	1.00	1.00	0.50	2.0	0.55	1	1	12	31
1.02	Artichokes	6	19	90	0.65	0.95	0.95	0.90	1.0	0.50	7	1	5	1
1.03	Asparagus	12	25	95	0.25	1.00	1.00	0.25	1.0	0.50	1	1	12	31
1.04	Barley	20	45	75	0.70	1.05	1.05	0.15	1.5	0.55	11	1	5	31
1.06	Beans (dry)	24	40	91	0.20	1.00	1.00	0.10	0.7	0.45	6	15	9	30
1.07	Beans (green)	22	56	89	0.50	1.00	1.00	0.85	0.7	0.45	3	1	5	31
1.05	Beans (pinto)	24	40	91	0.20	1.00	1.00	0.10	0.7	0.45	6	15	9	30
1.08	Beets (table)	25	60	90	0.30	0.90	0.90	0.90	1.0	0.50	4	1	6	20
1.09	Broccoli	20	50	83	0.30	1.00	1.00	0.80	0.5	0.45	3	15	7	1
1.10	Cabbage	25	63	88	0.30	1.00	1.00	0.85	0.5	0.45	8	1	11	15
1.11	Carrots	20	50	83	0.85	0.95	0.95	0.80	1.0	0.35	1	15	5	15
1.12	Celery	15	40	90	0.80	0.95	0.95	0.95	0.5	0.20	9	15	1	15
1.13	Corn (grain)	20	45	75	0.20	1.00	1.00	0.60	1.7	0.60	5	1	9	30
1.14	Corn (silage)	20	45	99	0.20	1.00	1.00	1.00	1.7	0.50	5	1	8	15
1.15	Corn (sweet)	20	45	90	0.20	1.00	1.00	0.95	1.7	0.50	5	1	10	15
1.16	Cotton	20	55	85	0.50	1.00	1.00	0.65	1.7	0.65	5	1	10	15
1.17	Cucumber	19	47	85	0.80	0.85	0.85	0.85	1.2	0.50	3	15	6	15
1.18	Eggplant	23	54	85	0.80	0.90	0.90	0.85	0.6	0.25	4	1	11	15
1.19	Flax	17	45	80	0.20	1.05	1.05	0.25	1.0	0.80	4	1	7	31

Crop Number	Crop Name	A to B %	A to C %	A to D %	$K_{cB}$	$K_{cC}$	$K_{cD}$	$K_{cE}$	Root Depth Maximum (m)	Allow Depletion (fraction)	Default Planting Month	default planting day	default maturity month	default maturity day
1.20	Grains (small)	20	45	75	0.33	1.05	1.05	0.15	1.5	0.60	11	1	5	31
1.21	Grains (winter)	20	45	75	0.33	1.05	1.05	0.15	2.0	0.60	11	1	5	31
2.02	Improved Pasture	25	50	75	0.95	0.95	0.95	0.95	1.5	0.50	1	1	12	31
1.22	Lentil	24	40	91	0.20	1.00	1.00	0.10	0.7	0.45	6	15	9	30
1.23	Lettuce	25	65	90	0.80	0.85	0.85	0.80	0.5	0.30	3	15	7	15
1.24	Melon	21	50	83	0.80	0.95	0.95	0.70	1.5	0.35	4	1	11	15
1.25	Millet	14	36	75	0.30	1.00	1.00	0.30	2.0	0.55	11	1	5	31
1.26	Mustard	25	63	88	0.30	1.00	1.00	0.85	0.5	0.45	8	1	11	15
1.27	Oats	20	45	75	0.33	1.05	1.05	0.15	2.0	0.60	11	1	5	31
1.28	Onion (dry)	10	26	75	0.80	0.95	0.95	0.75	0.5	0.25	3	1	10	1
1.29	Onion (green)	25	70	90	0.80	1.05	1.05	0.95	0.5	0.25	3	1	8	1
1.30	Peas	20	47	83	0.20	1.05	1.05	0.95	1.0	0.35	3	1	5	31
1.31	Peppers	20	45	85	0.80	0.90	0.9	0.80	1.0	0.25	3	1	8	31
1.32	Potato	20	45	78	0.80	1.00	1.00	0.65	0.6	0.25	4	15	8	15
1.33	Radishes	20	45	85	0.80	0.75	0.75	0.70	0.5	0.30	4	1	5	1
1.34	Rice	25	50	85	1.40	1.03	1.03	0.80	1.0	0.05	5	1	9	30
1.35	Safflower	17	45	80	0.20	1.05	1.05	0.25	2.0	0.60	4	1	7	31
1.36	Sisal	17	45	80	0.20	1.05	1.05	0.25	1.0	0.80	4	1	7	31
1.37	Sorghum	16	42	75	0.20	1.05	1.05	0.50	2.0	0.55	4	1	11	15
1.38	Spinach	33	67	92	0.80	0.90	0.90	0.85	0.5	0.20	11	15	1	31
1.39	Squash	20	50	80	0.50	0.85	0.85	0.70	0.3	0.15	1	15	4	15
1.40	Strawberries w/mulch	15	45	80	0.20	0.70	0.70	0.70	0.3	0.15	5	1	9	30
1.41	Sudan grass	15	45	80	0.20	1.05	1.05	0.90	1.2	0.50	3	15	9	30

Crop Number	Crop Name	A to B %	A to C %	A to D %	$K_{cB}$	$K_{cC}$	$K_{cD}$	$K_{cE}$	Root Depth Maximum (m)	Allow Depletion (fraction)	Default Planting Month	default planting day	default maturity month	default maturity day
1.42	Sugarbeet	15	45	80	0.20	1.05	1.05	0.90	1.2	0.50	3	15	9	30
1.43	Sunflower	20	45	80	0.20	1.05	1.05	0.35	1.5	0.45	5	1	9	10
1.44	Sweet Potatoes	20	45	78	0.80	1.00	1.00	0.65	1.5	0.65	4	15	8	15
1.45	Tomato	25	50	80	0.30	1.10	1.10	0.60	1.5	0.40	4	1	8	31
2.03	Turfgrass (cool-season)	25	50	75	0.80	0.80	0.80	0.80	0.4	0.40	1	1	12	31
2.04	Turfgrass (warm-season)	25	50	75	0.60	0.60	0.60	0.60	1.0	0.60	3	1	10	15
1.46	Vegetables	33	67	92	0.80	0.85	0.85	0.80	0.6	0.20	3	1	8	31
1.48	Watermelon	20	50	75	0.80	0.95	0.95	0.70	1.5	0.35	4	1	11	15
1.47	Wheat	20	45	75	0.33	1.10	1.10	0.20	1.5	0.55	11	1	5	31
3.01	Almonds	0	50	90	0.55	1.15	1.15	0.65	2.0	0.50	4	1	11	15
3.02	Apple	0	50	75	0.55	1.15	1.15	0.80	2.0	0.50	4	1	11	1
4.01	Avocado	0	33	67	0.80	0.80	0.80	0.80	0.4	0.40	1	1	12	31
4.02	Citrus	0	33	67	1.00	1.00	1.00	1.00	1.5	0.50	1	1	12	31
4.03	Citrus (desert)	0	33	67	0.85	0.85	0.85	0.85	1.5	0.50	1	1	12	31
4.04	Date Palm	0	33	67	0.95	0.95	0.95	0.95	2.5	0.50	1	1	12	31
4.05	Evergreen	0	33	67	0.60	0.60	0.60	0.60	1.0	0.70	1	1	12	31
3.03	Grapevines (wine)	0	25	75	0.45	0.85	0.85	0.35	2.0	0.35	5	1	10	31
3.04	Grapevines (table & raisin)	0	25	75	0.45	1.05	1.05	0.35	2.0	0.35	5	1	10	31
3.05	Kiwifruit	0	22	67	0.30	1.05	1.05	1.00	3.0	1.35	3	1	10	15
4.06	Olives	0	33	67	1.00	1.00	1.00	1.00	1.7	0.65	1	1	12	31
3.06	Stone fruits	0	50	90	0.55	1.15	1.15	0.65	2.0	0.50	4	1	11	15
3.07	Walnuts	0	50	75	0.55	1.15	1.15	0.80	2.0	0.50	1	1	12	31