Table 2. Average water use for CORN in inches/day

	Week after emergence																	
Temperature F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
50-59 60-69 70-79 80-89 90-99	.01 .02 .03 .03 .04	.02 .03 .04 .05 .06	.03 .04 .05 .07 .08	.04 .06 .07 .09	.05 .08 .10 .13 .15	.06 .09 .12 .15 .18	.08 .11 .15 .18 .21	.09 .12 .16 .20	.09 .13 .17 .22 .26	.10 .15 .19 .24 .28	.10 .14 .19 .23 .27	.10 .14 .18 .22 .26	.09 .13 .17 .21	.07 .11 .14 .17	.06 .09 .11 .14 .17	.05 .07 .09 .11	.04 .06 .07 .09	.03 .04 .05 .06
Corn growth stages	† † † 3 8 leaf leaf			! !	•	↑ 1 st tassel	↑ silk		† blister kernel			↑ early dent	↑ dent					

Table 3. Average water use for SOYBEANS in inches/day

	Week after emergence																
Temperature F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
50-59 60-69 70-79 80-89 90-99	.02 .02 .03 .04 .05	.02 .03 .05 .06 .07	.04 .05 .07 .10	.04 .07 .09 .13 .14	.06 .09 .12 .16 .17	.07 .10 .13 .19 .20	.08 .11 .15 .20 .22	.09 .13 .17 .21 .25	.09 .13 .18 .22 .26	.09 .13 .18 .22 .26	.09 .13 .17 .21 .25	.08 .11 .15 .18	.07 .10 .13 .16	.05 .08 .10 .13 .16	.05 .07 .09 .11 .13	.03 .04 .05 .06	.02 .02 .03 .03 .05
Soybean growth stages								1 st flower		î ull wer		↑ upper od fillin	ıg	ye	1st ellow p	od	1

Table 4. Average water use for FIELD BEANS in inches/day

	Week after emergence														
Temperature F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
50-59 60-69 70-79 80-89 90-99	.02 .04 .05 .06	.03 .04 .06 .07	.05 .07 .09 .11	.06 .08 .11 .13	.07 .11 .14 .18 .21	.08 .12 .16 .20 .24	.09 .13 .17 .22 .25	.09 .14 .19 .23 .26	.09 .14 .19 .23 .26	.09 .13 .17 .22 .25	.08 .12 .15 .19 .23	.06 .09 .11 .14 .17	.04 .06 .07 .09	.02 .03 .04 .04 .05	
Field bean growth stages			t	↑ 2 nd rifoliate	е	1 st flower	•		↑ seed filling			† leaves ⁄ellowin¢			

Table 5. Average water use for POTATOES in inches/day

	Week after emergence																
Temperature F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
50-59 60-69 70-79 80-89 90-99	.02 .03 .04 .05 .06	.03 .05 .06 .07	.04 .06 .09 .11 .13	.06 .08 .11 .14	.07 .10 .13 .16 .19	.08 .12 .16 .19 .23	.08 .12 .18 .21 .24	.09 .13 .18 .22 .26	.09 .13 .18 .22 .26	.09 .13 .17 .21	.09 .13 .17 .21 .25	.07 .11 .14 .18 .21	.07 .10 .13 .16 .19	.06 .09 .11 .14 .17	.05 .07 .09 .11 .13	.04 .05 .07 .09	.04 .05 .07 .08 .10

Potato growth stages

1 1 7 7 7 in. budding

full cover

Table 6. Average water use for ALFALFA in inches/day

	4 we	nis char eeks af rts in th	ter gro	wth		Use th first 3 v and		after 1	-	the f	this ch irst 3 w r 3 rd cu	veeks	Use this chart for the weeks not covered by earlier charts for the respective months.							
Temperature F	1 2 3 4					1	2		1	2	3	May	June	July	Aug	Sept				
50-59 60-69 70-79 80-89 90-99	.04 .04 .05 .06 .08	.05 .07 .09 .11	.06 .09 .12 .15 .18	.07 .11 .14 .18 .21		.06 .10 .12 .14 .18	.07 .12 .15 .18	.09 .14 .18 .22 .27		.05 .09 .12 .15 .17	.06 .10 .14 .18 .21	.09 .13 .17 .21	.07 .11 .14 .18 .21	.09 .14 .18 .22 .27	.09 .14 .18 .22 .27	.09 .13 .17 .21 .25	.07 .10 .13 .16			

Alfalfa growth stages

Table 7. Average water use for WHEAT in inches/day

	Week after emergence														
Temperature F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
50-59 60-69 70-79 80-89 90-99	.02 .03 .04 .05 .06	.03 .05 .07 .08 .10	.05 .07 .10 .12	.06 .09 .12 .16 .18	.08 .12 .17 .20 .24	.09 .13 .17 .22 .26	.10 .15 .19 .24 .29	.10 .14 .19 .24 .28	.09 .13 .18 .22 .26	.09 .13 .17 .21 .25	.07 .10 .13 .16	.05 .07 .10 .12 .15	.03 .05 .07 .08 .10	.02 .03 .04 .04 .05	
Wheat growth stages		1	↑ tillering	· I .	↑ jointing	9	↑ headin	g	↑ early milk		↑ early dough	† hard dougl		-	

Table 8. Average water use for SUGAR BEETS in inches/day

	Week after emergence																		
Temperature F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
50-59 60-69 70-79 80-89 90-99	.02 .03 .03 .04 .05	.02 .04 .05 .06	.03 .05 .07 .08 .10	.04 .06 .08 .10	.06 .08 .11 .14	.06 .09 .12 .15	.07 .11 .14 .18	.08 .12 .16 .19 .23	.09 .12 .16 .20	.09 .14 .18 .22 .27	.09 .13 .18 .22 .26	.09 .13 .18 .22 .26	.09 .13 .18 .22 .26	.08 .12 .15 .19 .23	.07 .11 .14 .17	.07 .10 .13 .16 .19	.07 .10 .13 .16	.05 .08 .10 .13	.05 .08 .10 .12 .15
Sugar beet growth stage	l :S			↑ 4-6 leaf		1 10-12 leaf	!	I	I	full cover				I	I	l	I	I	

Table 9. Average water use for any other crops when at full canopy at different times of the season

	Wook after emergence																
Week after emergence																	
Temperature	May 1	2	3	4	Jun 5	6	7	8	Jul 9	10	11	12	Aug 13	14	15	16	Sept 17
50-59 60-69 70-79 80-89 90-99	.06 .09 .12 .15	.07 .10 .14 .17 .20	.07 .11 .14 .18 .21	.08 .11 .15 .18 .22	.08 .12 .15 .19 .22	.08 .12 .15 .19 .22	.09 .13 .17 .20	.09 .13 .17 .20 .24	.09 .13 .17 .21 .25	.09 .13 .17 .21 .25	.09 .13 .17 .21 .25	.08 .12 .16 .20 .24	.08 .12 .16 .20 .24	.08 .12 .16 .20 .23	.07 .11 .14 .17	.07 .10 .13 .16 .19	.06 .09 .12 .15 .18

 $Source: Data \, estimates \, full \, potential \, of \, daily \, ET \, per \, week \, by \, Killen, \, and \, was \, placed \, in \, the \, above \, table \, by \, Wright \, in \, January \, 2002.$