

CORN WATER USE CALCULATIONS				CREECH CROP SERVICES		
Days after planting Critical S.C. periods in Red Box	DAYS (X)	Period	Growth Stage	water use in inches/day	Total water use in inches	Cumulative water use in inches
0-20	20	1	seedling	0.06	1.30	1.2
20-30	30	2	5 - 10"	0.09	1.00	2.1
30-40	40	3	10 - 20"	0.15	1.40	3.6
40-50	50	4	20 - 50"	0.20	2.10	5.6
50-60	60	5	50 - 80"	0.21	2.50	7.7
60-70	70	6	80 - silking	0.25	3.00	10.2
70-100	90	7	silking - grain fill	0.33	11.00	20.2
100-110	105	8	grainfill	0.25	3.00	22.7
110-120	115	9	maturity	0.23	2.60	25.0
0-125			Harvest	0.20	27.90	GALLONS
DAYS AFTER PLANTING IF	X=	105	CUMULATIVE INCHES USED	Y =	22.22	603,400

Note: The equation for the line is a best fit. The numbers may not exactly match the chart.

