

SUGARBEET CROP DATA SHEET

Sugarbeet Water Management
 PLANT DATE: November

SOIL: Coarse and Fine Textured
 HARVEST DATE: August

EFFECTIVE PRECIPITATION: The portion of rain that satisfies a part of crop water use is insignificant.

ROOT ZONE: The effective root zone can extend to 6 feet under non-restrictive conditions.

ALLOWABLE DEPLETION: A practical allowable depletion is 50 percent or less. Depleting the soil moisture at the end of the season just prior to harvest will not increase the sugar yield.

STRESS SENSITIVE PERIODS: Beets are very moisture sensitive during their early establishment period.

IRRIGATION: Beets can show wilt even when soil moisture is adequate during high climatic demand. The long growing season usually requires a large number of irrigations to satisfy the seasonal water requirement. Frequent irrigations are required on soil types with limited intake rates. Limited intake conditions can be characteristic of the soil or due to reuse of the furrows.

WATER BUDGETING:

Average Seasonal ET (N/C/S)	2.7/2.8/2.4'
Average Effective Precipitation	0.3'
Average Salinity Control	0.3'

Water Use-in.*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Northern	0.1	0.3	1.0	3.6	7.7	8.5	8.2	2.4			0.4	0.2	32.1
Central	0.2	0.3	1.3	4.4	8.0	8.6	8.3	0.7			0.4	0.3	33.4
Southern	0.1	0.3	1.3	4.2	7.2	8.0	7.3	0.2			0.3	0.3	28.4
Deliveries-%				10	25	25	20				20		100

* Note: Assumed November 1 plant date.