

Serving Box Butte, Dawes, Sheridan and Sioux Counties

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www.unwnrd.org



Crop Water Use Report for the week of September 15, 2025

Over the past week, corn used 1.34 inches.
Expected use by corn for this week is 1.25 inches.

Over the past week, soybeans used 1.26 inches.
Expected use by soybeans for this week is 1.17 inches.

Over the past week, sugar beets used 1.27 inches.
Expected use by sugar beets for this week is 1.18 inches.

Over the past week, potatoes used 0.14 inches.
Expected use by potatoes for this week is 0.13 inches.

Over the past week, dry beans used 0.42 inches.
Expected use by dry beans for this week is 0.39 inches.

Over the past week, sunflowers used 1.61 inches.
Expected use by sunflowers for this week is 1.5 inches.

Over the past week, sorghum used 1.54 inches.
Expected use by sorghum for this week is 1.43 inches.

Over the past week, alfalfa used 1.54 inches.
Expected use by alfalfa for this week is 1.43 inches.

Over the past week, actively growing lawns used 1.3 inches.
Expected use by actively growing lawns for this week is 1.2 inch.

In the past week average ET gage readings were 1.4 inches.

The average rainfall for the district was 0.34 inches.

The weather forecast for the next week shows highs in lower 70's to mid-80's and lows in the 40's and 50's. Chances of rain Wednesday and Thursday.

The crop water use report is completed using the average growth stage for each crop and ET gage reading from across the district. To find the conversion for your specific crop growth stage visit <https://nawmn.unl.edu/GrowthStageData>. For more information or to inquire about ET gages or soil moisture monitoring equipment,

please contact Robbin Randall at the Upper Niobrara White Natural Resources District at 308.432.6190 or visit our website at www.unwnrd.org. We are committed to helping Nebraskans conserve and protect groundwater.

Corn

ET		Dough	Begin Dent	Full Dent
Subarea I	Used	1.43	1.43	1.25
	Projected	1.32	1.32	1.15
Subarea II&VI	Used	1.76	1.76	1.54
	Projected	1.65	1.65	1.44
Subarea III	Used	1.54	1.54	1.34
	Projected	1.43	1.43	1.25
Subarea IV	Used	1.43	1.43	1.25
	Projected	1.65	1.65	1.44
Subarea V	Used	1.65	1.65	1.44
	Projected	1.54	1.54	1.34

Soybeans

ET		Begin Mature	Full Mature	Mature
Subarea I	Used	1.17	0.26	0.13
	Projected	1.08	0.24	0.12
Subarea II&VI	Used	1.44	0.32	0.16
	Projected	1.35	0.3	0.15
Subarea III	Used	1.26	0.28	0.14
	Projected	1.17	0.26	0.13
Subarea IV	Used	1.17	0.26	0.13
	Projected	1.35	0.3	0.15
Subarea V	Used	1.35	0.3	0.15
	Projected	1.26	0.28	0.14

Sugar Beets

ET		Max LAI	Root Stage	After Frost
Subarea I	Used	1.18	1.18	1.17
	Projected	1.09	1.09	1.08
Subarea II&VI	Used	1.46	1.46	1.44
	Projected	1.37	1.37	1.35
Subarea III	Used	1.27	1.27	1.26
	Projected	1.18	1.18	1.17
Subarea IV	Used	1.18	1.18	1.17
	Projected	1.37	1.37	1.35
Subarea V	Used	1.37	1.37	1.35
	Projected	1.27	1.27	1.26

Potatoes

ET		Pre-Senescence	Senescence	Mature
Subarea I	Used	0.39	0.13	0.13
	Projected	0.36	0.12	0.12
Subarea II&VI	Used	0.48	0.16	0.16
	Projected	0.45	0.15	0.15
Subarea III	Used	0.42	0.14	0.14
	Projected	0.39	0.13	0.13
Subarea IV	Used	0.39	0.13	0.13
	Projected	0.45	0.15	0.15
Subarea V	Used	0.45	0.15	0.15
	Projected	0.42	0.14	0.14

Dry Beans

ET		Dry Down	Senescence	Maturity
Subarea I	Used	0.77	0.39	0.12
	Projected	0.71	0.36	0.11
Subarea II&VI	Used	0.94	0.48	0.14
	Projected	0.89	0.45	0.14
Subarea III	Used	0.83	0.42	0.13
	Projected	0.77	0.39	0.12
Subarea IV	Used	0.77	0.39	0.12
	Projected	0.89	0.45	0.14
Subarea V	Used	0.89	0.45	0.14
	Projected	0.83	0.42	0.13

Sunflowers

ET		Early Seed	Late Seed	Mature
Subarea I	Used	1.5	1.5	0.26
	Projected	1.38	1.38	0.24
Subarea II&VI	Used	1.84	1.84	0.32
	Projected	1.73	1.73	0.3
Subarea III	Used	1.61	1.61	0.28
	Projected	1.5	1.5	0.25
Subarea IV	Used	1.5	1.5	0.25
	Projected	1.73	1.73	0.3
Subarea V	Used	1.73	1.73	0.3
	Projected	1.61	1.61	0.28

Sorghum

ET		Half Bloom	Soft Dough	Hard Dough
Subarea I	Used	1.43	1.43	1.09
	Projected	1.32	1.32	1.01
Subarea II&VI	Used	1.76	1.76	1.34
	Projected	1.65	1.65	1.26
Subarea III	Used	1.54	1.54	1.18
	Projected	1.43	1.43	1.09
Subarea IV	Used	1.43	1.43	1.09
	Projected	1.65	1.65	1.26
Subarea V	Used	1.65	1.65	1.26
	Projected	1.54	1.54	1.18

ALFALFA

ET			
Subarea I	Used	1.43	
	Projected	1.32	
Subarea II&VI	Used	1.76	
	Projected	1.65	
Subarea III	Used	1.54	
	Projected	1.43	
Subarea IV	Used	1.43	
	Projected	1.65	
Subarea V	Used	1.65	
	Projected	1.54	

GRASS

ET			
Subarea I	Used	1.3	
	Projected	1.2	
Subarea II&VI	Used	1.3	
	Projected	1.2	
Subarea III	Used	1.3	
	Projected	1.2	
Subarea IV	Used	1.3	
	Projected	1.2	
Subarea V	Used	1.3	
	Projected	1.2	

UNWNRD Subarea Map

