

Serving Box Butte, Dawes, Sheridan and Sioux Counties

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Crop Water Use Report for the week of July 15, 2024

Over the past week, corn used 2.11 inches.
Expected use by corn for this week is 2.02 inches.

In the past week, beets used 1.44 inches.
Expected use by beets for this week is 1.38 inches.

Over the past week, potatoes used 1.82 inches.
Expected use by potatoes for this week is 1.75 inches.

Over the past week, dry beans used 0.14 inches.
Expected use by dry beans for this week is 0.14 inches.

Over the past week, soybeans used 2.16 inches.
Expected use by soybeans for this week is 2.07 inches.

Over the past week, sunflowers used 0.24 inches.
Expected use by sunflowers for this week is 0.23 inches.

Over the past week, wheat used 0.24 inches.
Expected use by wheat for this week is 0.23 inches.

Over the past week, alfalfa used 2.64 inches.
Expected use by alfalfa for this week is 2.53 inches.

In past week, actively growing lawns used 2.15 inches.
Expected use by actively growing lawns for this week is 2 inches.

In the past week average ET gage readings were 2.4 inches.

The average rainfall for the district was 0.21 inches.

The weather forecast for the next week shows highs being in the 80's and lower 90's and lows being in the 50's and 60's. Scattered storms and showers are possible throughout the week.

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		V10	V12	V14
Subarea I	Used	1.45	1.85	2.12
	Projected	1.38	1.76	2.02
Subarea II&VI	Used	1.52	1.94	2.22
	Projected	1.45	1.85	2.12
Subarea III	Used	1.59	2.02	2.32
	Projected	1.52	1.94	2.22
Subarea IV	Used	1.52	1.94	2.22
	Projected	1.45	1.85	2.12
Subarea V	Used	1.93	2.46	2.83
	Projected	1.86	2.38	2.73

SUGAR BEETS

ET		Cover 70-80%	Cover 80-90%	Cover 90-full
Subarea I	Used	1.01	1.26	1.53
	Projected	0.96	1.46	1.66
Subarea II&VI	Used	1.06	1.32	1.61
	Projected	1.01	1.26	1.53
Subarea III	Used	1.1	1.38	1.68
	Projected	1.06	1.32	1.61
Subarea IV	Used	1.06	1.32	1.61
	Projected	1.01	1.26	1.53
Subarea V	Used	1.34	1.68	2.04
	Projected	1.3	1.62	1.97

POTATOES

ET		Vegatative	Early Blossom	Tuber
Subarea I	Used	0.63	1.11	1.6
	Projected	0.6	1.06	1.53
Subarea II&VI	Used	0.66	1.17	1.67
	Projected	0.63	1.11	1.6
Subarea III	Used	0.69	1.22	1.75
	Projected	0.66	1.17	1.67
Subarea IV	Used	0.63	1.11	1.6
	Projected	0.63	1.11	1.6
Subarea V	Used	0.84	1.48	2.13
	Projected	0.81	1.43	2.05

DRY BEANS

ET		Cover 10-50%	Cover 50-80%	Cover 80-Full
Subarea I	Used	0.13	1.01	1.7
	Projected	0.12	0.96	1.62
Subarea II&VI	Used	0.13	1.06	1.78
	Projected	0.13	1.01	1.7
Subarea III	Used	0.14	1.1	1.86
	Projected	0.13	1.06	1.78
Subarea IV	Used	0.13	1.06	1.78
	Projected	0.13	1.01	1.7
Subarea V	Used	0.17	1.34	2.27
	Projected	0.16	1.3	2.19

SOYBEANS

ET		V3 3rd Node	R1 Begin Bloom	R2 Full Bloom
Subarea I	Used	1.26	1.89	2.1
	Projected	1.8	2	2.2
Subarea II&VI	Used	1.32	1.98	2.2
	Projected	1.26	1.89	2.1
Subarea III	Used	1.38	2.07	2.3
	Projected	1.32	1.98	2.2
Subarea IV	Used	1.32	1.98	2.2
	Projected	1.26	1.89	2.1
Subarea V	Used	1.68	2.52	2.8

Projected	1.62	2.43	2.7
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SUNFLOWERS

ET		Vegatative	Bud Formation	
Subarea I	Used	0.21	2.1	
	Projected	0.2	2	
Subarea II&VI	Used	0.22	2.2	
	Projected	0.21	2.1	
Subarea III	Used	0.23	2.3	
	Projected	0.22	2.2	
Subarea IV	Used	0.22	2.2	
	Projected	0.21	2.1	
Subarea V	Used	0.28	2.8	
	Projected	0.27	2.7	

WHEAT

ET		Ripening	Mature	
Subarea I	Used	1.05	0.21	
	Projected	1	0.2	
Subarea II&VI	Used	1.1	0.22	
	Projected	1.05	0.21	
Subarea III	Used	1.15	0.23	
	Projected	1.1	0.22	
Subarea IV	Used	1.1	0.22	
	Projected	1.05	0.21	
Subarea V	Used	1.4	0.28	
	Projected	1.35	0.27	

ALFALFA

ET			
Subarea I	Used	2.31	
	Projected	2.2	
Subarea II&VI	Used	2.42	
	Projected	2.31	
Subarea III	Used	2.53	
	Projected	2.42	
Subarea IV	Used	2.42	
	Projected	2.31	
Subarea V	Used	3.08	

Projected	2.97	
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GRASS

ET

Subarea I	Used	2.15	
	Projected	2	
Subarea II&VI	Used	2.15	
	Projected	2	
Subarea III	Used	2.15	
	Projected	2	
Subarea IV	Used	2.15	
	Projected	2	
Subarea V	Used	2.15	
	Projected	2	

UNWNRD Subarea Map

