

Serving Box Butte, Dawes, Sheridan and Sioux Counties

430 East Second Street Chadron, Nebraska 69337

Phone 308.432.6190

www.unwnrd.org

Fax 308.432.6187



Crop Water Use Report for the week of July 1st 2019

Over the past week, wheat used 2.2 inches.
Expected use by wheat for this week is 1.65 inches.

Over the past week, corn used 0.7 inches.
Expected use by corn for this week is 0.53 inches.

In the past week, beets used 0.28 inches.
Expected use by beets for this week is 0.21 inches.

Over the past week, potatoes used 0.6 inches.
Expected use by potatoes for this week is 0.45 inches.

Over the past week, dry beans used 0.12 inches.
Expected use by dry beans for this week is 0.09 inches.

Over the past week, soybeans used 0.4 inches.
Expected use by soybeans for this week is 0.3 inches.

Over the past week, alfalfa used 2.0 inches.
Expected use by alfalfa for this week is 1.5 inches.

In past week, actively growing lawns used 1.4 inches.
Expected use by actively growing lawns for this week is 1 inch.

In the past week average ET gage readings were 2 inches.

The average rainfall for the district was 0.57 inches.

The weather forecast for the next week shows highs being in 80's with lows in the low 60s and high 50s. There is a chance of scattered thunderstorms throughout the week.

Please continue checking moisture levels throughout the soil profile to determine total available water and adjust irrigation application rates accordingly.

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 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 Maria Baglieri 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		V4	V6	V8
Subarea I	Used	0.34	0.67	0.97
	Projected		0.49	
Subarea II&VI	Used	0.36	0.7	1.02
	Projected		0.53	
Subarea III	Used	0.38	0.74	1.07
	Projected		0.56	
Subarea IV	Used	0.38	0.74	1.07
	Projected		0.56	
Subarea V	Used	0.31	0.6	0.87
	Projected		0.42	

SOYBEANS

ET		VC	V1	
Subarea I	Used	0.19	0.38	
	Projected		0.28	
Subarea II&VI	Used	0.2	0.4	
	Projected		0.3	
Subarea III	Used	0.21	0.42	
	Projected		0.32	
Subarea IV	Used	0.21	0.42	
	Projected		0.32	
Subarea V	Used	0.17	0.34	
	Projected		0.24	

WHEAT

ET		Heading	Flowering	Grain Fill
Subarea I	Used	2.09	2.09	2.09
	Projected		1.54	
Subarea II&VI	Used	2.2	2.2	2.2
	Projected		1.65	
Subarea III	Used	2.31	2.31	2.31
	Projected		1.76	
Subarea IV	Used	2.31	2.31	2.31
	Projected		1.76	
Subarea V	Used	1.87	1.87	1.87
	Projected		1.32	

SUGAR BEETS

ET		10-30% Cover		
Subarea I	Used	0.27		
	Projected	0.2		
Subarea II&VI	Used	0.28		
	Projected	0.21		
Subarea III	Used	0.29		
	Projected	0.22		
Subarea IV	Used	0.29		
	Projected	0.22		
Subarea V	Used	0.24		

POTATOES

ET		Early Vegetation	Vegetation	
Subarea I	Used	0.25	0.57	
	Projected		0.42	
Subarea II&VI	Used	0.26	0.6	
	Projected		0.45	
Subarea III	Used	0.27	0.63	
	Projected		0.48	
Subarea IV	Used	0.27	0.63	
	Projected		0.48	
Subarea V	Used	0.22	0.51	
	Projected		0.33	

DRY BEANS

ET	Emergence 10-50% Cover			
Subarea I	Used	0.11	0.11	
	Projected		0.08	
Subarea II&VI	Used	0.12	0.12	
	Projected		0.09	
Subarea III	Used	0.13	0.13	
	Projected		0.1	
Subarea IV	Used	0.13	0.13	
	Projected		0.1	
Subarea V	Used	0.1	0.1	
	Projected		0.07	

ALFALFA

Subarea I	Used	1.9		
	Projected	1.4		
Subarea II&VI	Used	2		
	Projected	1.5		
Subarea III	Used	2.1		
	Projected	1.6		
Subarea IV	Used	2.1		
	Projected	1.6		
Subarea V	Used	1.7		
	Projected	1.2		

GRASS

Subarea I	Used	1.4		
	Projected	1		
Subarea II&VI	Used	1.4		
	Projected	1		
Subarea III	Used	1.4		
	Projected	1		
Subarea IV	Used	1.4		
	Projected	1		
Subarea V	Used	1.4		
	Projected	1		

UNWNRD Subarea Map

