Crop Water Use Report for the week of June 24,2024

Over the past week, corn used 0.22 inches.
Expected use by corn for this week is 0.29 inches.

In the past week, beets used 0.17 inches.
Expected use by beets for this week is 0.25 inches.

Over the past week, potatoes used 0.36 inches.
Expected use by potatoes for this week is 0.48 inches.

Over the past week, dry beans used 0.07 inches.
Expected use by dry beans for this week is 0.1 inches.

Over the past week, soybeans used 0.12 inches.
Expected use by soybeans for this week is 0.17 inches.

Over the past week, sunflowers used 0.12 inches.
Expected use by sunflowers for this week is 0.17 inches.

Over the past week, wheat used 1.32 inches.
Expected use by sunflowers for this week is 1.65 inches.

Over the past week, alfalfa used 1.32 inches.
Expected use by alfalfa for this week is 1.65 inches.

In past week, actively growing lawns used 1.0 inches.
Expected use by actively growing lawns for this week is 1.3 inches.

In the past week average ET gage readings were 1.2 inches.

The average rainfall for the district was 1.21 inches.

The weather forecast for the next week shows highs being in the 80's and 90's and the lows being in the upper 50's and mid 60's. Chances for a stray shower or thunder storms 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		V2	V4	V6
Subarea I	Used	0.12	0.22	0.42
	Projected	0.17	0.31	0.6
Subarea II&VI	Used	0.1	0.18	0.35
	Projected	0.15	0.27	0.53
Subarea III	Used	0.12	0.22	0.42
	Projected	0.17	0.31	0.6
Subarea IV	Used	0.13	0.23	0.46
	Projected	0.18	0.32	0.63
Subarea V	Used	0.15	0.27	0.53
	Projected	0.2	0.36	0.7

SUGAR BEETS

ET		Emergence	10-30% Cover	Cover 30-50%
Subarea I	Used	0.12	0.17	0.25
	Projected	0.17	0.24	0.36
Subarea II&VI	Used	0.1	0.14	0.21
	Projected	0.15	0.21	0.32
Subarea III	Used	0.12	0.17	0.25
	Projected	0.17	0.24	0.36
Subarea IV	Used	0.13	0.18	0.27
	Projected	0.18	0.25	0.38
Subarea V	Used	0.15	0.21	0.32
	Projected	0.2	0.28	0.42

POTATOES

ET		Emergence	Early Vegetative	Vegatative
Subarea I	Used	0.12	0.16	0.36
	Projected	0.17	0.22	0.51
Subarea II&VI	Used	0.1	0.13	0.3
	Projected	0.15	0.2	0.45
Subarea III	Used	0.12	0.16	0.36
	Projected	0.17	0.22	0.51
Subarea IV	Used	0.13	0.17	0.39
	Projected	0.19	0.25	0.57
Subarea V	Used	0.15	0.2	0.45
	Projected	0.2	0.26	0.6

DRY BEANS

ET		Emergence	Cover 10-50%	
Subarea I	Used	0.07	0.07	
	Projected	0.1	0.1	
Subarea II&VI	Used	0.06	0.06	
	Projected	0.08	0.08	
Subarea III	Used	0.07	0.07	
	Projected	0.1	0.1	
Subarea IV	Used	0.08	0.08	
	Projected	0.11	0.11	
Subarea V	Used	0.09	0.09	
	Projected	0.12	0.12	

SOYBEANS

ET		VC	V1	V2
Subarea I	Used	0.12	0.24	0.48
	Projected	0.17	0.34	0.68
Subarea II&VI	Used	0.1	0.2	0.4
	Projected	0.15	0.3	0.6
Subarea III	Used	0.12	0.24	0.48
	Projected	0.17	0.34	0.68
Subarea IV	Used	0.13	0.26	0.52
	Projected	0.18	0.36	0.72
Subarea V	Used	0.15	0.3	0.6
	Projected	0.2	0.4	0.8

SUNFLOWERS

ET		Early Vegetative	Vegetative	Bud Formation
Subarea I	Used	0.12	0.12	1.2
	Projected	0.16	0.16	1.6
Subarea II&VI	Used	0.1	0.1	1
	Projected	0.14	0.14	1.4
Subarea III	Used	0.12	0.12	1.2
	Projected	0.17	0.17	1.7
Subarea IV	Used	0.13	0.13	1.3
	Projected	0.18	0.18	1.8
Subarea V	Used	0.15	0.15	1.5
	Projected	0.19	0.19	1.9

WHEAT

ET		Jointing	Boot	Heading
Subarea I	Used	1.24	1.32	1.32
	Projected	1.65	1.76	1.76
Subarea II&VI	Used	1.03	1.1	1.1
	Projected	1.34	1.43	1.43
Subarea III	Used	1.24	1.32	1.32
	Projected	1.65	1.76	1.76
Subarea IV	Used	1.34	1.43	1.43
	Projected	1.75	1.87	1.87
Subarea V	Used	1.55	1.65	1.65
	Projected	1.96	2.09	2.09

ALFALFA

ET		
Subarea I	Used	1.32
	Projected	1.65
Subarea II&VI	Used	1.1
	Projected	1.54
Subarea III	Used	1.32
	Projected	1.76
Subarea IV	Used	1.43
	Projected	1.87
Subarea V	Used	1.65

Projected	2.09		

GRASS

ET

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

UNWNRD Subarea Map