

Serving Box Butte, Dawes, Sheridan and Sioux Counties

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This is Tricia Goes with the UNWNRD and this is the crop water use report for the week of July 24, 2018 to July 30, 2018.

Average use by corn in V16 growth stage was 1.32 inches.
Projected use by corn for this week is 1.21 inches.

Average use by beets in Full Cover growth stage was 1.00 inches.
Projected use by beets for this week is 1.00 inches.

Average use by potatoes in Tuber Bulk growth stage was 1.02 inches.
Projected use by potatoes for this week is 0.66 inches.

Average use by beans in Pod Elongation growth stage was 1.20 inches.
Projected use by beans for this week is 1.10 inches.

Average use by soy beans in R3-R5 growth stage was 1.32 inches.
Projected use by soy beans for this week is 1.21 inches.

Average use by sunflowers in Bud Formation growth stage was 1.20 inches.
Projected use by sunflowers for this week is 1.21 inches.

Average use by mature alfalfa was 1.4 inches.
Projected use by mature alfalfa for this week is 1.10 inches.

Average use by lawns was 1.2 inches.
Projected use by lawns for this week is 1.0 inches.

The average ET gage reading was 1.2 inches.

The average rainfall for the district was 2.12 inches.

The weather forecast for the next week shows highs being in the upper 80's with lows being in the lower 60's with very little chance of rainfall throughout the week.

In the last week soil moisture monitoring station 1 showed 70% water available at 12", 70% water available at 24", and 85% water available at 36". The producer did irrigate. Remember this is in a **Sandy Loam** soil type with **Corn** planted and will vary depending on site specific; weather, irrigation management, topography, management practices, crop, and soil type.

In the last week soil moisture monitoring station 2 showed 85% water available at 12", 70% water available at 24", and 40% water available at 36". The producer did not irrigate. Remember this is in a **Loam** soil type with **Corn** planted and will vary depending on site specific; weather, irrigation management, topography, management practices, crop, and soil type.

If you would like to be added to the direct email list for the crop water use report please feel free to contact Tricia Goes at the UNWNRD office at 308-432-6190 or by emailing goes@unwnrd.org.

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 Nevin Price 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.