

**Serving Box Butte, Dawes, Sheridan and Sioux Counties**

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This is Nevin Price with the UNWNRD and this is the Crop Water Use Report for the week of July 4, 2017 to July 10, 2017

Average use by wheat was 1.25 inches.  
Projected use by wheat for this week is .23 inches.

Average use by corn was 1.73 inches.  
Projected use by corn for this week is 2.02 inches.

Average use by potatoes was 1.90 inches.  
Projected use by potatoes for this week is 2.09 inches.

Average use by soy beans was 1.5 inches.  
Projected use by soy beans for this week is 2.07 inches.

Average use by dry beans was 1.20 inches.  
Projected use by dry beans for this week is 1.86 inches.

Average use by sugar beets was 1.20 inches.  
Projected use by sugar beets for this week is 1.38 inches.

Average use by sunflowers was .25 inches.  
Projected use by sunflowers for this week is .23 inches.

Average use by mature alfalfa was 2.5 inches.  
Projected use by mature alfalfa for this week is 2.1 inches.

Average use by lawns was 2.7 inches.  
Projected use by lawns for this week is 2.3 inches.

The average ET gage reading was 2.5 inches.

The average rain fall across the district was 0-1 inch.

According to date collected by <https://nednr.nebraska.gov/nerain>

Weather forecasts for next week show hot temperatures in the 90's but with a chance of thunderstorms on Monday, Wednesday, and Saturday.

In the last week soil moisture monitoring station 1 showed 70% water available at 12", 70% water available at 24", and 70% 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 80% water available at 12", 80% water available at 24", and 90% water available at 36". The producer did irrigate. Remember this is in a **Loam** soil type with **Beans** planted and will vary depending on site specific; weather, irrigation management, topography, management practices, crop, and soil type.

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](http://www.unwnrd.org). We are committed to helping Nebraskans conserve and protect groundwater.