



# Williamson County Fire Marshal's Office

3189 SE Inner Loop, Georgetown, Texas 78626  
Phone: (512) 943-3679



## Burn Ban Evaluation Matrix July 10, 2023

<u><b>Evaluation Factor</b></u>	<u><b>Source(s)</b></u>	<u><b>Comment</b></u>	<u><b>Supports Burn Ban</b></u>
<b>Relative Humidity Values - NWS</b>	Short Term Forecast	Midday values have been dropping into the upper 20's stripping moisture with sunny days	YES
<b>KBDI Texas A&amp;M</b>	Current Condition	Williamson Counties average KBDI value is 568 with portions of the county experiencing a high value approaching 617	YES
<b>KBDI (Change) Texas A&amp;M</b>	Current Condition	+6 to +9 daily changes observed for past 7 days	YES
<b>Forecast 10 Hour Fuel Moisture (Percentile) Nelson Model</b>	Current Condition	11% – 25% Fine dry grasses will readily ignite. Conditions would support extensive fire spread	YES
<b>Average Temperature (Fahrenheit) NWS</b>	Current Condition	The week of July 10, 2023 starts with daytime temperatures in the upper-100's	YES
<b>Texas Drought Monitor</b>	TAMU	"Severe Drought" status. Seasonal decline continues	YES

**Recommendation: BURN BAN**

## July 10, 2023 – July 14, 2023, Discussion

The week of July 10, 2023 starts with daytime temperatures in the upper 100's and mid to upper 70's at night. 1 to 10-hour fuel moistures continue to fall, and 100-hour, and 1000-hour fuels continue to lose moisture. This week will see afternoon relative humidity values continue to drop into the 30's to upper 20's creating afternoon potential for grass fires to ignite and spread.

### **Soil Moisture**

**100% of Williamson County is classified by the U.S. Drought Monitor as D2 Severe Drought.** There is minimum forecasted rain that would deliver adequate amounts to reverse the drying trend. Currently, Williamson County has an average KBDI value of 568 with isolated areas experiencing a max value of 617.

**Relative Humidity levels have been dropping into the 30's to upper 20's during the afternoon hours.**

### **Dead Fuel Moisture Status**

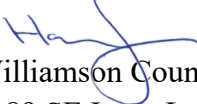
The 1-hour and 10-hour fuel moistures continue to fall, and the 100-hour and 1000-hour fuels continue to lose moisture. Recent above average temperatures, and sunny dry days support conditions for elevated fire risk and fire spread potential.

### **Summary**

Williamson County will see elevated fire weather conditions through the week of July 10, 2023. The combination of above average temperatures, heated winds and lower relative humidity values will continue to produce a risk of elevated fire danger.

**Recommendation: BURN BAN**

Hank Jones

  
Williamson County Fire Marshal  
3189 SE Inner Loop Ste B  
Georgetown, Tx 78626  
[hank.jones@wilco.org](mailto:hank.jones@wilco.org)  
512.943.3679 (Office)