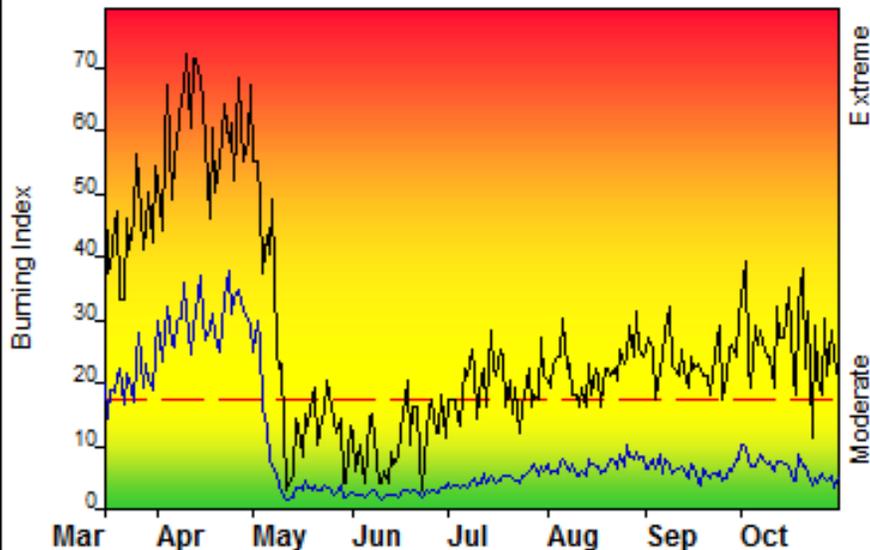


## FIRE DANGER -- Sheyenne National Grassland

Maximum, Average, and 80th Percentile, based on 18 years data



## Fire Danger Area:

- ◆ Richland/Ransom Co.
- ◆ ND NWS Zone 049, 052
- ◆ Sheyenne (324805)
- \* Meets NWCG Wx Station Standards



## Fire Danger Interpretation:



- EXTREME** -- Use extreme caution
- (Caution)** -- Watch for change
- Moderate** -- Lower Potential, but always be aware

Maximum -- Highest Burning Index by day for 1998 - 2015

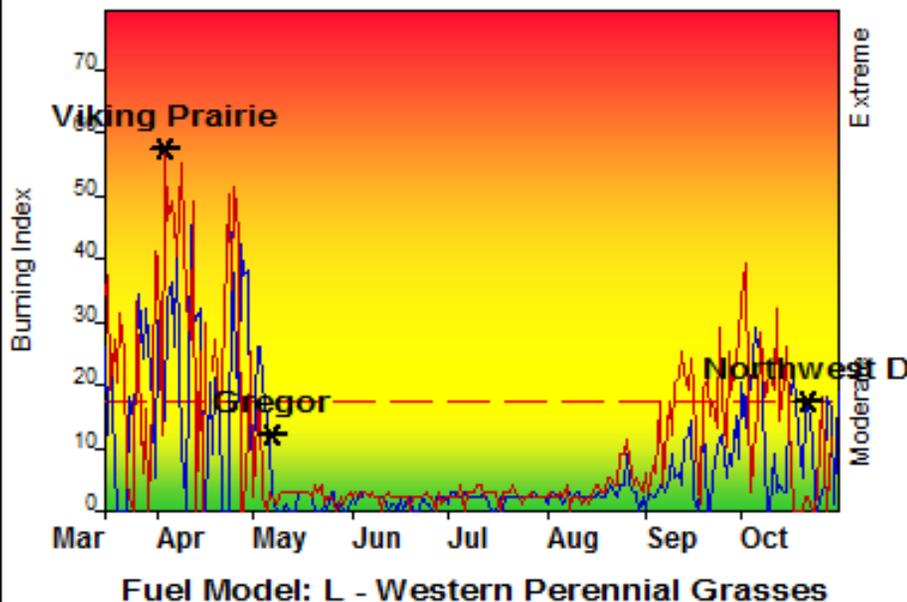
Average -- shows peak fire season over 18 years (3847 observations)

80th Percentile -- Only 20% of the 3847 days from 1998 - 2015 had an Burning Index above 17

## Local Thresholds - Watch out:

Combinations of any of these factors can greatly increase fire behavior:  
 20' Wind Speed over 13 mph, RH less than 30%,  
 Temperature over 75, Herbaceous Fuel Moisture less than 90

## Years to Remember: 2011 2012



## Remember what Fire Danger tells you:

- ✓ Burning Index gives day-to-day fluctuations calculated from 2 pm temperature, humidity, wind, daily temperature & rh ranges, and precip duration.
- ✓ Wind is part of BI calculation.
- ✓ Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- ✓ Listen to weather forecasts -- especially WIND.

## Past Experience:

Fire behavior in grass fuels are strongly influenced by wind, RH and herbaceous fuel moisture (HFM). Fire activity occurs late Mar - early May prior to green-up and Sept.- Oct when grass are cured. Fire history: Northwest D (2011) escape campfire in heavy grass fuels: human caused: 489 ac BI/L 14, ERC/G 32, Temp 65, RH 41, winds 13, HFM 104. Viking Prairie (2012) human caused: wind driven fire: 878 ac. BI/L 57, ERC/G 35, Temp. 63, RH 20, wind 12, HFM 4. Gregor (2013) human caused: heavy grass fuels: 1381 ac, BI/L 50, ERC/G 33, Temp 79, RH 29, wind 14, HFM 5.

Responsible Agency: USFS Dakota Prairie Grasslands  
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