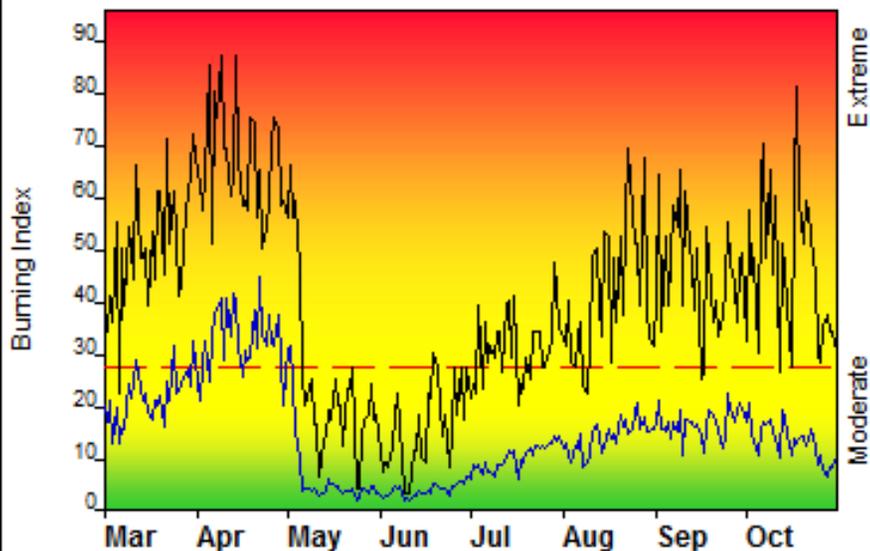


FIRE DANGER -- McKenzie Ranger District

Maximum, Average, and 80th Percentile, based on 14 years data



Fire Danger Area:

- ◆ McKenzie County
- ◆ ND NWS Zone 017
- ◆ Watford (321703)
- * 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 2002 - 2015

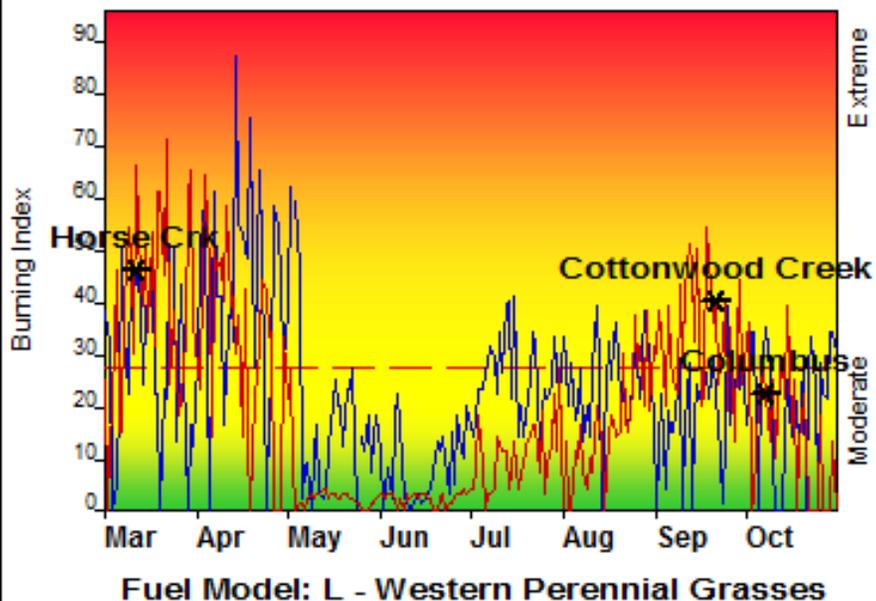
Average -- shows peak fire season over 14 years (3284 observations)

80th Percentile -- Only 20% of the 3284 days from 2002 - 2015 had an Burning Index above 27

Local Thresholds - Watch out:

Combinations of any of these factors can greatly increase fire behavior:
 20' Wind Speed over 20 mph, RH less than 20%,
 Temperature over 80, Herbaceous Fuel Moisture less than 80

Years to Remember: 2008 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:

When ERC/G is at or above 47 and BI/I is at or above 28 fires tend to produce extreme fire behavior and are difficult to contain and control. Rapid fire growth should be anticipated in the spring prior to green-up, summer during drought conditions (US Drought Monitor), and fall when the grasses are cured. Fire history: Horse Creek (2008) coal seam fire; typical spring fire: 225 ac. BI/L 46, ERC/G 39, Temp 64, RH 27, wind 17, HFM 6. Cottonwood Creek (2012) gas flare; high wind gust; difficult access: 542 ac. BI/L 40, ERC/G 60, Temp 68, RH 26, wind 15, HFM 53. Columbus (2012) gas flare: 288 ac. BI/L 22, ERC/G 36, Temp 52, RH 48, wind 20, HFM 62.

Responsible Agency: USFS Dakota Prairie Grasslands
 FF+4.1 build 1622 05/24/2016-15:28 (C:\FireFamilyPlus\2016\Watford_2016)

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