

**Fire Danger Area:**

- ◆ Mt. Hood NF - Eastside
- ◆ Fire Weather Zone 609
- ◆ Wamic Mill RAWS 350913
- \* Meets NWCG Wx Station Standards



**Fire Danger Interpretation:**



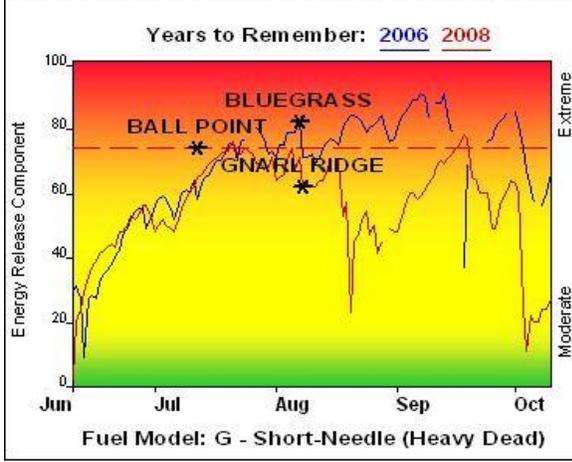
- EXTREME** -- Use extreme caution
- (Caution)** -- Watch for change
- Moderate** -- Lower Potential, but always be aware

**Maximum** -- Highest Energy Release Component by day for 1985 - 2009

**Average** -- shows peak fire season over 25 years (2860 observations)

**90th Percentile** -- Only 10% of the 2860 days from 1985 - 2009 had an Energy Release Component above 74

**Local Thresholds - Watch out:** Combinations of any of these factors can greatly increase fire behavior:  
 20' Wind Speed over 3 mph, RH less than 40%,  
 Temperature over 70, 1000-Hour Fuel Moisture less than 14



**Remember what Fire Danger tells you:**

- ✓ Energy Release Component gives seasonal trends calculated from 2 pm temperature, humidity, daily temperature & rh ranges, and precip duration.
- ✓ Wind is NOT part of ERC calculation.
- ✓ Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- ✓ Listen to weather forecasts -- especially WIND.

**Past Experience:**

Bluegrass - 8/7/06, 1850 Acres, ERC- 59, BI- 25, RH- 36%, Temp- 70, Wind- NW at 1, 1000hr-17.

Badger- 8/20/06, 14 Acre, ERC- 81, BI- 52, RH- 18%, Temp- 91, Wind- NE at 2, 1000hr- 7

Ball Point - 7/12/07, 1237 Acres, ERC- 74, BI- 44, RH - 25%, Temp - 93, Wind Calm, 1000hr

East winds or a marine push increase the potential for large fires.  
 ERC is related to the 24-hour, potential worst case, total available energy within the flaming front of the fire (BTUs/sq.ft.).

Responsible Agency: USDA Forest Service Effective June 1, 2010  
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Design by NWCG Fire Danger Working Team