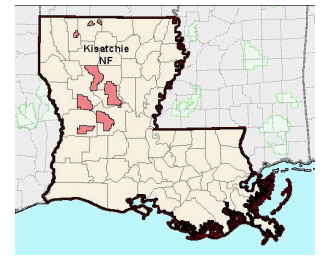


FIRE DANGER - Kisatchie National Forest

Maximum, Average, and 90th percentile based on 11 years of data

Fire Danger Area: FDRA1—Kisatchie National Forest
Forecast Zone: Shreveport, LA
Weather Stations: 160401, 161803, 161902, 162302
162303, 162401, 162502
 *Meets NWCG WX Station Standards



Local Thresholds – WATCHOUT:

Combinations of any of these factors can increase fire behavior:
 20' wind speed over 20 mph; Temperatures over 80 degrees; Relative humidity < 35; KBDI > 400; Large fires become more frequent when BI exceeds 19.

Remember What Fire Danger Tells You:

- Burning index gives day-to-day fluctuations calculated from temperature, humidity, wind, daily temperatures and RH ranges, and precipitation.
- 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/Local Knowledge:

Historically, large fire (>80 acres) activity on the Kisatchie NF tends to increase when BI values rise above 19 and 100-hour fuels dry below 17%, especially in combination with the other local thresholds noted above. KBDI is a good indicator of fire resistance to control. At KBDI values above 400, lower litter and duff layers can contribute to fire intensity and will burn actively wildfire intensity may begin to increase significantly. Be prepared to adjust tactics based on current and expected fire behavior. A high level of situational awareness regarding fuels and fire behavior needs to be maintained by all personnel at all times.

Graph Interpretation: Burning Index (BI)

- **BI gives day to day fluctuations calculated from temperature, RH, wind, and precipitation.**

Max: Highest Burning Index by day 2011-2021

Average: shows peak fire season

90% = 90th percentile means 10% of days in analysis had BI over 19

Responsible Agency: USFS

