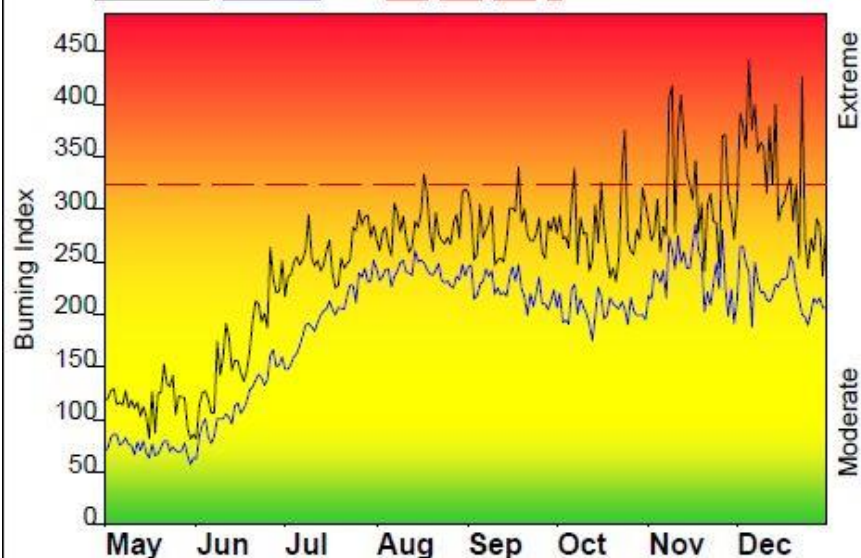


FIRE DANGER -- Santa Clarita Valley

Maximum, Average, and 97th Percentile, based on 5 years data



Fire Danger Area:

- Santa Clarita Valley
- BN 6 & 22
- Newhall Pass
- * Meets NWCG Wx Station Standards



Fire Danger Interpretation:

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

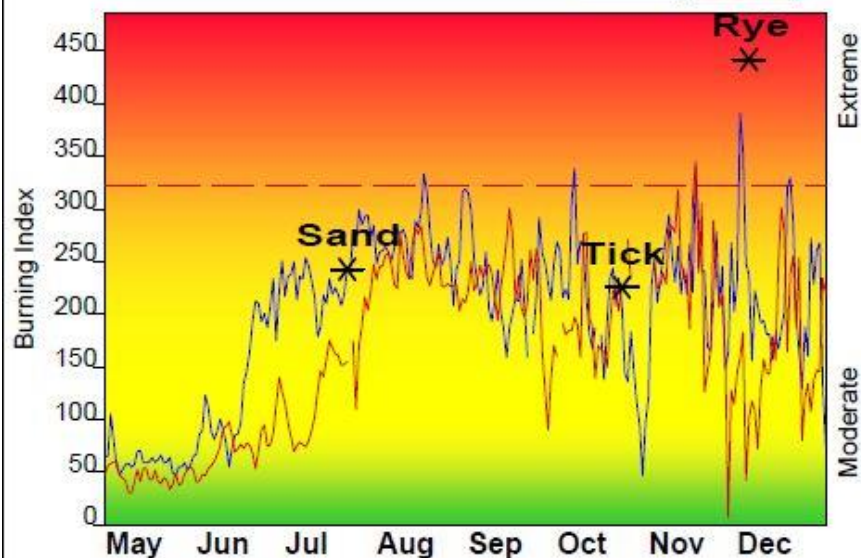
Maximum -- Highest Burning Index by day for 2016 - 2021

Average -- shows peak fire season over 5 years (1202 observations)

97th Percentile -- 3% of the 1202 days from 2016 - 2021 had an Burning Index above 323

Local Thresholds - Watch out: Combinations of any of these factors can greatly increase fire behavior:
20' Wind Speed over 15 mph, **RH** less than 25%,
Temperature over 90, **Burning Index** over 279

Years to Remember: 2016 2019



Fuel Model: X - Brush (2016)

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:

Wind Driven Fire Can Produce:

- Rates of Spread > 160 ch/hr
 - Spotting up to 0.5-1 Mile ahead of fire front.
 - Eye Level Winds > 7 MPH
 - Live Fuel Moistures < 75%
 - Fine Fuel Moistures < 5%
 - Active night burning conditions with RH < 30%
- Non- Wind Driven Fires: Look for variation on the fire ground
 Identify the alignment of wind, slope, and solar pre-heating

Responsible Agency: Los Angeles County Fire
 FF+5.0 build 20191211 07/01/2022-17:43 (C:\Users\Garrett Ha...\2022 master

Design by NWCG Fire Danger Working Team

Santa Clarita Forecast Zone Pocket Card 2022

BI	279	323+	Extreme Intensity Fire Behavior: (Wind and or Instability)
PERCENTILE	90% to 100%		Associated with Fire Weather Watch and Red Flag Conditions.
<p>Fire Behavior: Rapid fire growth should be anticipated with high rates of spread. Significant spotting up to 3 miles with an exponentially expanding fire environment. Flame Length 50+ foot..</p> <p>Key Indicators: Temps > 80 degrees; Wind >15 – 35+ mph; RH < 15%; 10HR DFM ≤3; LFM 80% -50%</p> <p><i>Unstable Conditions = Abnormal Hot and Dry with little to no wind with critically dry live and dead fuels. (July-September)</i></p> <p><i>Plume dominated Fire Conditions.....LAL 2&6</i></p> <p>Targeted Months: August thru December.</p> <p>Engagement Tactical Options: Heel and Flank Suppression. Identify Structure Defense and Evacuations.</p> <p>Fire Size Class: 5000 plus acre potential within the first 4 hours.</p>			

BI	161	278	Moderate Intensity Fire Behavior: Associated with periods of hot, dry weather, light to moderate winds and spotting ½ -1 mile.
<p>Fire Behavior: Fires are mainly topography driven with Westerly wind alignment features in the summer. Instability features may exist with fuels dominated fires leading to a plume dominated fire environment.</p> <p>Key Indicators: Temps 85- 110 degrees; Wind 5- 15 mph; RH: 10%- 30%.. 10HR DFM >3-7%.. LFM 80% to 60%</p> <p><i>Unstable Conditions = Hot and Dry with little to no wind with dry live and dead fuels. (July-September)LAL 2&6</i></p> <p>Targeted Months: July thru December</p> <p>Engagement Tactical Options: Heel and Flank Suppression. Identify Structure Defense and Evacuations.</p> <p>Fire Size Class: 250 - 5000 plus acres.</p>			

BI	55	160	Low Fire Behavior Intensity: Routine weather for the area. Spotting up to ½ mile
<p>Fire Behavior: Fires are mainly topography dominated with slow to moderate rates of spread. Alignment of forces must be identified on routine weather days. Slope, Wind and Solar pre heating.</p> <p>Key Indicators: Temps > 70 - 90 degrees; Wind 5 - 20 mph; RH 25%- 40% ; 10 HR DFM 5-9% ; LFM 120% -60%</p> <p>Targeted Months: May thru December</p> <p>Engagement Tactical Options: Heel and Flank Suppression. Fires routinely held to topographic features with suppression activity. Identify Structure Defense needs.</p> <p>Fire Size Class: 5 - 250 plus acres.</p>			