



## Fire Severity Related to Fuel Moisture Content



Relative Humidity %	Fuel Moisture %	Relative ease of chance ignition and general burning conditions
> 60 (high humidity)	> 20	Very little ignition; some spotting may occur with winds above 9 mph
45-60	15-19	Low ignition hazard - campfires become dangerous; glowing brands cause ignition when relative humidity is less than 50%
30-45	11-14	Medium ignition hazard - matches become dangerous; "easy" burning conditions.
26-40	8-10	High ignition hazard - matches are dangerous; occasional crowning, spotting caused by gusty winds; "moderate" burning conditions.
15-30	5-7	Quick ignition, rapid buildup of fire, extensive crowning; any increase in wind causes increased spotting, crowning, loss of control; fire moves up bark of trees igniting aerial fuels; long distance spotting in pine stands; "dangerous" burning conditions.
< 15 (low humidity)	< 5	All sources of ignition dangerous; aggressive burning, spot fires occur often and spread rapidly, extreme fire behavior probable; "critical" burning conditions.