

**Mountain Pine Beetle Probability of Ignition Table
(Green Attacked and Red Needle Stage)**

<i>Fuel Moisture (%)</i>	<i>Probability of Ignition (%)</i>
1	97%
2	96%
3	95%
4	94%
5	92%
6	89%
7	87%
8	83%
9	79%
10	74%
11	69%
12	63%
13	56%
14	49%
15	43%
16	36%
17	30%
18	25%
19	20%
20	16%
21	13%
22	10%
23	8%
24	6%
25	5%
26	4%
27	3%
28	2%
29	2%
30	1%

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**Probability of Ignition in Mountain
Pine Beetle Attacked Trees
(Green Attacked and Red Needle Stages)**

To find the probability of ignition follow the instructions found in the IRPG on pages 83 – 85. Determine the Reference Fuel Moisture (RFM) % and apply the appropriate adjustment factors to determine the Dead Fuel Moisture of pine needles at the fire location. Add the resulting Dead Fuel Moisture Content Correction (%) to the Reference Fuel Moisture (%), this is your Fuel Moisture (%). Apply this number to the MPB Attacked Tree Table to determine the Probability of Ignition for affected trees.

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