

Fire Intensity Classes and Spread Rates (m/min) (Spruce, Subalpine fir)

ISI	BUI					
	20	40	60	80	100	120
1	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0
4	0.3	0.4	0.5	0.5	0.5	0.6
5	0.5	0.8	0.9	0.9	1.0	1.0
6	0.9	1	1	1	1	1
7	1	2	2	2	2	2
8	2	3	3	3	3	3
9	2	3	4	4	4	4
10	3	4	5	5	5	6
11	4	6	5	7	7	7
12	5	7	8	8	8	9
13	6	8	9	10	10	11
14	7	10	11	11	12	12
15	8	11	13	13	14	14
16	9	13	14	15	16	16
17	10	14	16	17	18	18
18	11	16	18	19	20	21
19	13	18	20	21	22	23
20	14	20	22	24	25	25
21	15	22	24	26	27	27
22	16	23	26	28	29	30
23	18	25	29	30	31	32
24	19	27	31	33	34	35
25	20	29	33	35	36	37
26	22	31	35	37	39	39
27	23	33	37	39	41	42
28	24	35	39	42	43	44
29	26	37	41	44	45	47
30	27	39	43	46	48	49

Intensity	Class	Based on a modified C-3 fuel type with an adjusted crown base height of 4 m and crown fuel load of 2.30 kg/m ² .
<10 KW/m	1	
10-500	2	
500-2000	3	
2000-4000	4	On Off Switch for fire to spread somewhere between an ISI range of 4 to 6
4000-10,000	5	
>10,000	6	The black line represents the approximate transition between surface and crown fires in this forest fuel

Note: Caution when using this table as it has been developed based on experience and evaluation through observation of fire behaviour with very limited data for confirmation. Revised 2001-02-23 sdh