



### Inputs: SURFACE

Description \_\_\_\_\_

### Fuel/Vegetation, Surface/Understory

Fuel Model

F-EUC, F-FOL, F-PIN, F-RAC, M-CAD

### Fuel Moisture

Dead Fuel Moisture

%

1, 4, 7, 10, 13, 16, 19, 22, 25,

Live Fuel Moisture

%

90

### Weather

Midflame Wind Speed (upslope)

km/h

5

### Terrain

Slope Steepness

deg

0

### Run Option Notes

Maximum effective wind speed limit IS imposed [SURFACE].

Fire spread is in the HEADING direction only [SURFACE].

Wind is blowing upslope [SURFACE].

Wind and spread directions are degrees clockwise from upslope [SURFACE].

Direction of the wind vector is the direction the wind is pushing the fire [SURFACE].

### Output Variables

Surface Fireline Intensity (kW/m) [SURFACE]

### Notes



Head Fire  
Surface Fireline Intensity (kW/m)

Fuel Model	Dead Fuel Moisture				
	1	4	7	10	13
F-EUC	1431	913	673	564	503
F-FOL	372	247	188	159	141
F-PIN	1003	650	448	331	262
F-RAC	71	46	34	28	25
M-CAD	2565	2050	1687	1271	488
M-ESC	2516	1909	1593	1413	1140
M-EUC	5943	4261	3305	2764	2442
M-EUCd	327	239	193	169	156
M-F	1510	1079	827	682	596
M-H	336	218	159	130	114
M-PIN	3477	2729	2239	1923	1721
V-Ha	485	363	300	236	50
V-Hb	151	108	89	79	63
V-MAa	10032	8047	6829	6087	5544
V-MAb	3441	2689	2230	1960	1800
V-MH	68	41	29	25	24
V-MMa	5997	4740	3985	2843	368
V-MMb	2511	1869	1551	865	177

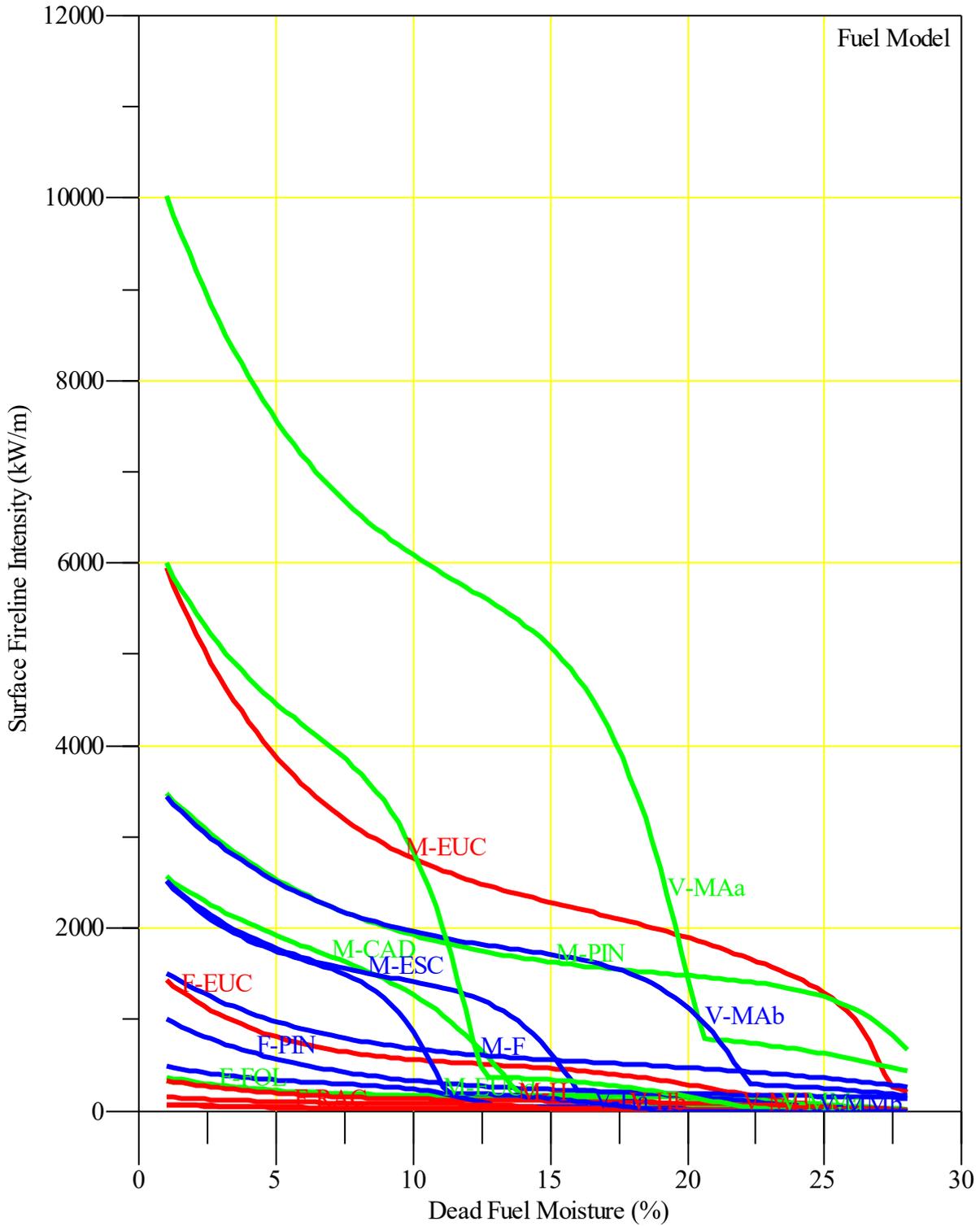


Head Fire  
Surface Fireline Intensity (kW/m)

< Fuel Model	Dead Fuel Moisture				
	%				
<	16	19	22	25	28
F-EUC	439	335	184	9	0
F-FOL	120	89	19	0	0
F-PIN	220	194	175	159	140
F-RAC	22	18	12	6	0
M-CAD	169	153	121	70	16
M-ESC	229	183	111	27	0
M-EUC	2212	1983	1697	1292	211
M-EUCd	141	58	12	1	0
M-F	540	491	434	359	265
M-H	103	90	70	42	11
M-PIN	1593	1506	1422	1249	674
V-Ha	38	25	3	0	0
V-Hb	10	5	1	0	0
V-MAa	4741	2664	750	624	430
V-MAb	1659	1348	416	246	169
V-MH	21	15	6	0	0
V-MMa	318	206	54	0	0
V-MMb	106	11	0	0	0



### Head Fire





## Discrete Variable Codes Used

### Fuel Model

211	F-EUC	Folhada de eucalipto sem sub-bosque
212	F-FOL	Folhada compacta de folhosas com folha caduca ou perene
213	F-PIN	Folhada de pinhais de agulha media a longa
214	F-RAC	Folhada muito compacta de coniferas com agulha curta
221	M-CAD	Folhada de folhosas caducifolias com sub-bosque arbustivo
222	M-ESC	Folhada de folhosas esclerofilas com sub-bosque arbustivo
223	M-EUC	Folhada de eucalipto com sub-bosque arbustivo
224	M-EUCd	Folhada descontinua de eucalipto
225	M-F	Folhada com sub-bosque de fetos
226	M-H	Folhada com sub-bosque herbaceo
227	M-PIN	Folhada de pinheiro de agulha media a longa com sub-bosque arbustivo
231	V-Ha	Herbaceas altas (mais 0,5 m)
232	V-Hb	Herbaceas baixas (menos 0,5 m)
233	V-MAa	Mato alto (mais 1 m) com bastante combustivel morto e/ou fino
234	V-MAb	Mato baixo (menos 1 m) com bastante combustivel morto e/ou fino
235	V-MH	Matriz herbaceo-arbustiva - Mato baixo (menos 1 m) e verde
236	V-MMa	Mato alto (mais 1 m) com pouco combustivel morto
237	V-MMb	Mato baixo (menos 1 m), com pouco combustivel morto