



Modules: SURFACE, SPOT, IGNITE

Description		Paradise Summer Fire
Fuel/Vegetation, Surface/Understory		
Fuel Model		SCAL 18
Fuel/Vegetation, Overstory		
Canopy Height	ft	3
Fuel Moisture		
1-h Moisture	%	2
10-h Moisture	%	2
100-h Moisture	%	3
Live Herbaceous Moisture	%	65
Live Woody Moisture	%	65
Weather		
20-ft Wind Speed (upslope)	mi/h	20
Wind Adjustment Factor		0.3
Air Temperature	oF	110
Fuel Shading from the Sun	%	0
Terrain		
Slope Steepness	%	15
Ridge-to-Valley Elevation Difference	ft	500
Ridge-to-Valley Horizontal Distance	mi	0.2
Spotting Source Location		MW

Run Option Notes

Calculations are only for the direction of maximum spread [SURFACE].

Fireline intensity, flame length, and spread distance are always for the direction of the spread calculations [SURFACE].

Wind is blowing upslope [SURFACE].

Output Variables

Surface Rate of Spread (maximum) (ch/h) [SURFACE]

Flame Length (ft) [SURFACE]

Midflame Wind Speed (upslope) (mi/h) [SURFACE]

Max Eff Wind Exceeded? [SURFACE]

Spot Dist from Wind Driven Surface Fire (mi) [SPOT]
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Paradise Summer Fire

Surface Rate of Spread (maximum)	60.0 ch/h
Flame Length	22.0 ft
Midflame Wind Speed (upslope)	6.0 mi/h
Max Eff Wind Exceeded?	No
Spot Dist from Wind Driven Surface Fire	0.8 mi
Probability of Ignition from a Firebrand	100 %



Modules: SURFACE, SPOT, IGNITE

Description		Paradise-Fallfire
Fuel/Vegetation, Surface/Understory		
Fuel Model		4
Fuel/Vegetation, Overstory		
Canopy Height	ft	6
Fuel Moisture		
1-h Moisture	%	2
10-h Moisture	%	2
100-h Moisture	%	2
Live Herbaceous Moisture	%	
Live Woody Moisture	%	55
Weather		
20-ft Wind Speed (upslope)	mi/h	90
Wind Adjustment Factor		0.5
Air Temperature	oF	95
Fuel Shading from the Sun	%	0
Terrain		
Slope Steepness	%	0
Ridge-to-Valley Elevation Difference	ft	500
Ridge-to-Valley Horizontal Distance	mi	0.2
Spotting Source Location		MW

Run Option Notes

Calculations are only for the direction of maximum spread [SURFACE].
 Fireline intensity, flame length, and spread distance are always
 for the direction of the spread calculations [SURFACE].
 Wind is blowing upslope [SURFACE].

Output Variables

Surface Rate of Spread (maximum) (ch/h) [SURFACE]
 Flame Length (ft) [SURFACE]
 Midflame Wind Speed (upslope) (mi/h) [SURFACE]
 Max Eff Wind Exceeded? [SURFACE]
 Spot Dist from Wind Driven Surface Fire (mi) [SPOT]
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Paradise-Fallfire

Surface Rate of Spread (maximum)	3088.2 ch/h
Flame Length	121.8 ft
Midflame Wind Speed (upslope)	45.0 mi/h
Max Eff Wind Exceeded?	No
Spot Dist from Wind Driven Surface Fire	7.3 mi
Probability of Ignition from a Firebrand	100 %