

Input Parameters	Fire Behavior		
	Low	Moderate	High
1-hour fuel moisture (%)	15	7	3
10-hr fuel moisture (%)	18	10	5
100-hr fuel moisture (%)	25	12	8
Live herbaceous fuel moisture (%)	110	75	50
Live woody fuel moisture (%)	140	100	75
20-ft wind speed (mi/hr)	5	25	50
Wind direction (degrees)	180	180	180

Test Case Area:	
Southwest corner	Northeast corner
Latitude: 41.3181761°	Latitude: 41.3208496°
Longitude: -123.9617730°	Longitude: -123.9598458°

FM13 and FM40 - Grid Cell Information																				
Landscape Data	Grid Cell #																			
	4		6		21		25		32		36		41		56		58		64	
	IFTDSS	FlamMap	IFTDSS	FlamMap	IFTDSS	FlamMap	IFTDSS	FlamMap	IFTDSS	FlamMap	IFTDSS	FlamMap	IFTDSS	FlamMap	IFTDSS	FlamMap	IFTDSS	FlamMap	IFTDSS	FlamMap
Elevation (ft)	1364.83	1365	1446.85	1447	1384.51	1384	1213.91	1214	1443.57	1444	1279.53	1280	1394.36	1394	1292.65	1293	1335.3	1335	1335.3	1335
Slope (%)	42.45	42	28.67	29	48.77	49	24.93	25	50.95	51	42.45	42	62.49	62	19.44	19	55.43	55	40.4	40
Aspect (degrees)	275	275	291	291	259	259	40	40	230	230	244	244	227	227	320	320	104	104	4	4
Fuel Model	10/165	10/165	9/189	9/189	5/147	5/147	8/183	8/183	10/165	10/165	5/147	5/147	10/165	10/165	8/183	8/183	10/165	10/165	9/189	9/189
Canopy Cover (%)	65	65	75	75	0	0	85	85	75	75	0	0	75	75	65	65	65	65	35	35
Stand Height (ft)	57.41	57	57.41	57	0	0	57.41	57	57.41	57	0	0	57.41	57	57.41	57	57.14	57	8.2	8
Canopy Base Height (ft)	8.2	8	8.2	8	0	0	7.55	8	7.22	7	0	0	7.55	8	7.87	8	7.55	8	7.55	8
Canopy Bulk Density (kg/m^3)	0.1	0.1	0.11	0.11	0	0	0.17	0.17	0.14	0.14	0	0	0.15	0.15	0.15	0.15	0.11	0.11	0.07	0.07

	Grid Cell #	Flame length (ft)			Rate of spread (ft/min)			Fireline intensity (BTU/ft/min)			Heat per unit area (kJ/m ²)			Crown fire activity (class)			Mid-flame windspeed (mph)			Horizontal movement rate (mph)			Direction of maximum spread (degrees)		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
IFTDSS	4	2.45	3.71	11.76	2.27	4.79	14.27	39.82	98.24	450.63	11933	13962	21511	1	1	2	0.52	2.62	5.24	0.02	0.05	0.16	88.10	41.50	17.11
FlamMap		2.45	3.71	11.76	2.27	4.79	14.27	39.82	98.25	450.66	11933	13962	21511	1	1	2	0.52	2.62	5.24	0.02	0.05	0.16	88.10	41.50	17.11
IFTDSS	6	1.10	1.70	3.57	1.33	3.05	12.06	6.92	18.02	90.28	3542	4032	5099	1	1	1	0.49	2.44	4.87	0.01	0.03	0.14	103.70	27.55	7.32
FlamMap		1.10	1.70	3.57	1.33	3.05	12.06	6.92	18.02	90.28	3542	4032	5099	1	1	1	0.49	2.44	4.87	0.01	0.03	0.14	103.70	27.55	7.32
IFTDSS	21	1.27	7.45	19.19	3.12	55.79	277.28	9.58	446.18	3490.30	2092	5449	8577	1	1	1	2.09	10.47	20.93	0.03	0.63	3.13	44.98	8.31	3.96
FlamMap		1.27	7.45	19.19	3.12	55.79	277.28	9.58	446.20	3490.47	2092	5449	8577	1	1	1	2.09	10.47	20.93	0.03	0.63	3.13	44.98	8.31	3.96
IFTDSS	25	0.39	0.62	1.24	0.28	0.66	2.41	0.74	1.99	9.01	1768	2037	2543	1	1	1	0.46	2.29	4.58	0.00	0.01	0.03	230.77	342.35	355.45
FlamMap		0.39	0.62	1.24	0.28	0.66	2.41	0.74	1.99	9.01	1768	2037	2543	1	1	1	0.46	2.29	4.58	0.00	0.01	0.03	230.77	342.35	355.45
IFTDSS	32	2.86	4.42	61.40	3.18	7.01	119.96	55.71	143.73	5379.23	11933	13962	30554	1	1	3	0.49	2.44	4.87	0.03	0.07	3.32	47.02	30.11	5.89
FlamMap		2.86	4.42	61.40	3.18	7.01	119.96	55.71	143.74	5379.49	11933	13962	30554	1	1	3	0.49	2.44	4.87	0.03	0.06	2.65	47.02	30.11	5.89
IFTDSS	36	1.25	7.50	19.24	2.98	56.55	278.98	9.15	452.24	3511.67	2092	5449	8577	1	1	1	2.09	10.47	20.93	0.03	0.63	3.11	31.83	6.71	3.79
FlamMap		1.25	7.50	19.24	2.98	56.55	278.97	9.15	452.26	3511.84	2092	5449	8577	1	1	1	2.09	10.47	20.93	0.03	0.63	3.11	31.83	6.71	3.79
IFTDSS	41	3.35	6.85	77.84	4.49	8.97	149.87	78.62	200.32	7677.37	11933	15217	34906	1	2	3	0.49	2.44	4.87	0.04	0.09	3.28	235.04	33.18	8.24
FlamMap		3.35	6.85	77.84	4.49	8.97	149.87	78.63	200.33	7677.74	11933	15217	34906	1	2	3	0.49	2.44	4.87	0.04	0.09	3.28	235.04	33.18	8.24
IFTDSS	56	0.39	0.69	1.37	0.28	0.84	3.01	0.72	2.51	11.22	1768	2037	2543	1	1	1	0.92	2.62	5.24	0.00	0.01	0.03	48.15	7.39	2.04
FlamMap		0.39	0.69	1.37	0.28	0.84	3.01	0.72	2.51	11.22	1768	2037	2543	1	1	1	0.92	2.62	5.24	0.00	0.01	0.03	48.15	7.39	2.04
IFTDSS	58	3.02	4.44	46.60	3.57	7.05	95.90	62.55	144.55	3555.87	11933	13962	25266	1	1	3	0.52	2.62	5.24	0.04	0.07	3.39	287.81	313.62	353.93
FlamMap		3.02	4.44	46.60	3.57	7.05	95.90	62.56	144.56	3556.04	11933	13962	25266	1	1	3	0.52	2.62	5.24	0.04	0.07	3.39	287.81	313.62	353.93
IFTDSS	64	1.24	2.55	9.03	1.75	7.32	39.89	9.10	43.30	303.30	3542	4032	5180	1	1	2	1.04	5.21	10.43	0.02	0.08	0.42	185.20	359.02	359.98
FlamMap		1.24	2.55	9.03	1.75	7.32	39.89	9.10	43.30	303.32	3542	4032	5180	1	1	2	1.04	5.21	10.43	0.02	0.08	0.42	185.20	359.02	359.98

	Grid Cell #	Flame length (ft)			Rate of spread (ft/min)			Fireline intensity (BTU/ft/min)			Heat per unit area (kJ/m^2)			Crown fire activity (class)			Mid-flame windspeed (mph)			Horizontal movement rate (mph)			Direction of maximum spread (degrees)		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
IFTDSS	4	2.45	3.71	142.41	2.27	4.79	294.40	39.82	98.24	18999.11	11933	13962	43974	1	1	3	0.52	2.62	5.24	0.02	0.05	3.34	88.10	41.50	2.16
FlamMap		2.45	3.71	142.41	2.27	4.79	294.40	39.82	98.25	19000.04	11933	13962	43974	1	1	3	1.00	2.62	5.24	0.02	0.05	3.34	88.10	41.50	2.16
IFTDSS	6	1.10	1.70	3.57	1.33	3.05	12.06	6.92	18.02	90.28	3542	4032	5099	1	1	1	0.49	2.44	4.87	0.01	0.03	0.14	103.70	27.55	7.32
FlamMap		1.10	1.70	3.57	1.33	3.05	12.06	6.92	18.02	90.28	3542	4032	5099	1	1	1	0.49	2.44	4.87	0.01	0.03	0.14	103.70	27.55	7.32
IFTDSS	21	1.27	7.45	19.19	3.12	55.79	277.28	9.58	446.18	3490.30	2092	5449	8577	1	1	1	2.09	10.47	20.93	0.03	0.63	3.13	44.98	8.31	3.96
FlamMap		1.27	7.45	19.19	3.12	55.79	277.28	9.58	446.20	3490.47	2092	5449	8577	1	1	1	2.09	10.47	20.93	0.03	0.63	3.13	44.98	8.31	3.96
IFTDSS	25	0.39	0.62	1.24	0.28	0.66	2.41	0.74	1.99	9.01	1768	2037	2543	1	1	1	0.46	2.29	4.58	0.00	0.01	0.03	230.77	342.35	355.45
FlamMap		0.39	0.62	1.24	0.28	0.66	2.41	0.74	1.99	9.01	1768	2037	2543	1	1	1	0.46	2.29	4.58	0.00	0.01	0.03	230.77	342.35	355.45
IFTDSS	32	2.86	4.42	171.73	3.18	7.01	308.69	55.71	143.73	25160.04	11933	13962	55537	1	1	3	0.49	2.44	4.87	0.03	0.07	3.32	47.02	30.11	5.89
FlamMap		2.86	4.42	171.73	3.18	7.01	308.69	55.71	143.74	25161.27	11933	13962	55537	1	1	3	0.49	2.44	4.87	0.03	0.06	3.32	47.02	30.11	5.89
IFTDSS	36	1.25	7.50	19.24	2.98	56.55	278.98	9.15	452.24	3511.67	2092	5449	8577	1	1	1	2.09	10.47	20.93	0.03	0.63	3.11	31.83	6.71	3.79
FlamMap		1.25	7.50	19.24	2.98	56.55	278.97	9.15	452.26	3511.84	2092	5449	8577	1	1	1	2.09	10.47	20.93	0.03	0.63	3.11	31.83	6.71	3.79
IFTDSS	41	3.35	75.50	180.01	4.49	90.81	317.09	78.62	7334.66	27000.71	11933	55035	58022	1	3	3	0.49	2.44	4.87	0.04	0.93	3.28	235.04	13.19	8.24
FlamMap		3.35	75.50	180.01	4.49	90.81	317.08	78.63	7335.02	27002.03	11933	55035	58022	1	3	3	0.49	2.44	4.87	0.04	0.93	3.28	235.04	13.19	8.24
IFTDSS	56	0.39	0.69	1.37	0.28	0.84	3.01	0.72	2.51	11.22	1768	2037	2543	1	1	1	0.92	2.62	5.24	0.00	0.01	0.03	48.15	7.39	2.04
FlamMap		0.39	0.69	1.37	0.28	0.84	3.01	0.72	2.51	11.22	1768	2037	2543	1	1	1	0.92	2.62	5.24	0.00	0.01	0.03	48.15	7.39	2.04
IFTDSS	58	3.02	4.44	151.68	3.57	7.05	302.30	62.55	144.55	20883.53	11933	13962	47071	1	1	3	0.52	2.62	5.24	0.04	0.07	3.39	287.81	313.62	353.93
FlamMap		3.02	4.44	151.67	3.57	7.05	302.30	62.56	144.56	20884.55	11933	13962	47071	1	1	3	0.52	2.62	5.24	0.04	0.07	3.39	287.81	313.62	353.93
IFTDSS	64	1.24	2.55	34.11	1.75	7.32	283.42	9.10	43.30	2227.01	3542	4032	5354	1	1	3	1.04	5.21	10.43	0.02	0.08	2.99	185.20	359.02	0.13
FlamMap		1.24	2.55	34.11	1.75	7.32	283.42	9.10	43.30	2227.12	3542	4032	5354	1	1	3	1.04	5.21	10.43	0.02	0.08	2.99	185.20	359.02	0.13

	Grid Cell #	Flame length (ft)			Rate of spread (ft/min)			Fireline intensity (BTU/ft/min)			Heat per unit area (kJ/m^2)			Crown fire activity (class)			Mid-flame windspeed (mph)			Horizontal movement rate (mph)			Direction of maximum spread (degrees)		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
IFTDSS	4	3.41	7.41	17.66	2.39	5.43	14.18	81.37	225.28	829.63	23237	28267	39865	1	2	2	0.52	2.62	5.24	0.03	0.06	0.16	83.14	37.58	17.97
FlamMap		3.41	7.40	17.66	2.39	5.43	14.18	81.38	225.29	829.67	23237	28267	39865	1	2	2	0.52	2.62	5.24	0.03	0.06	0.16	83.14	37.58	17.97
IFTDSS	6	1.83	3.03	8.88	1.52	3.82	12.22	21.22	63.32	296.08	9500	11290	16504	1	1	2	0.49	2.44	4.87	0.02	0.04	0.14	97.76	25.33	8.51
FlamMap		1.83	3.03	8.88	1.52	3.82	12.22	21.22	63.33	296.09	9500	11290	16504	1	1	2	0.49	2.44	4.87	0.02	0.04	0.14	97.76	25.33	8.51
IFTDSS	21	0.00	20.65	38.31	0.00	119.29	387.72	0.00	4092.01	15692.36	0	23373	27578	0	1	1	2.74	13.69	27.38	0.00	1.34	4.38	180.00	6.88	3.75
FlamMap		0.00	20.65	38.31	0.00	119.29	387.72	0.00	4092.21	15693.13	0	23373	27578	0	1	1	2.74	13.69	27.38	0.00	1.34	4.38	180.00	6.88	3.75
IFTDSS	25	0.30	0.61	1.15	0.18	0.62	2.04	0.40	1.96	7.75	1482	2144	2593	1	1	1	0.46	2.29	4.58	0.00	0.01	0.02	236.74	344.59	355.38
FlamMap		0.30	0.61	1.15	0.18	0.62	2.04	0.40	1.96	7.75	1482	2144	2593	1	1	1	0.46	2.29	4.58	0.00	0.01	0.02	236.74	344.59	355.38
IFTDSS	32	4.02	10.53	93.70	3.42	7.84	139.59	116.65	381.80	10149.19	23237	33187	49497	1	2	3	0.49	2.44	4.87	0.03	0.08	3.32	44.97	28.32	5.89
FlamMap		4.02	10.53	93.70	3.42	7.84	139.59	116.66	381.82	10140.69	23237	33187	49497	1	2	3	0.49	2.44	4.87	0.03	0.08	3.32	44.97	28.32	5.89
IFTDSS	36	0.00	20.75	38.41	0.00	120.66	389.92	0.00	4138.97	15781.25	0	23373	27578	0	1	1	2.74	13.69	27.38	0.00	1.34	4.35	180.00	5.76	3.65
FlamMap		0.00	20.75	38.41	0.00	120.66	389.91	0.00	4139.18	15782.02	0	23373	27578	0	1	1	2.74	13.69	27.38	0.00	1.34	4.35	180.00	5.76	3.65
IFTDSS	41	4.67	13.08	112.73	4.74	9.89	169.14	161.64	528.86	13381.30	23237	36455	53909	1	2	3	0.49	2.44	4.87	0.05	0.10	3.28	43.83	31.72	8.24
FlamMap		4.67	13.08	112.73	4.74	9.88	169.13	161.65	528.89	13381.95	23237	36455	53909	1	2	3	0.49	2.44	4.87	0.05	0.10	3.28	43.83	31.72	8.24
IFTDSS	56	0.27	0.68	1.27	0.15	0.78	2.50	0.32	2.45	9.50	1482	2144	2593	1	1	1	0.52	2.62	5.24	0.00	0.01	0.03	97.36	6.71	2.13
FlamMap		0.27	0.68	1.27	0.15	0.78	2.50	0.32	2.45	9.50	1482	2144	2593	1	1	1	0.52	2.62	5.24	0.00	0.01	0.03	97.36	6.71	2.13
IFTDSS	58	4.20	9.98	74.75	3.77	7.79	113.27	128.65	352.52	7225.26	23237	30852	43463	1	2	3	0.52	2.62	5.24	0.04	0.08	3.39	290.44	316.31	353.93
FlamMap		4.20	9.98	74.75	3.77	7.79	113.27	128.66	352.54	7225.62	23237	30852	43463	1	2	3	0.52	2.62	5.24	0.04	0.08	3.39	290.44	316.31	353.93
IFTDSS	64	2.00	4.05	14.78	1.84	7.16	30.86	25.62	118.58	635.53	9500	11290	14033	1	1	2	1.04	5.21	10.43	0.02	0.08	0.33	185.93	358.72	359.82
FlamMap		2.00	4.05	14.78	1.84	7.16	30.86	25.62	118.59	635.56	9500	11290	14033	1	1	2	1.04	5.21	10.43	0.02	0.08	0.33	185.93	358.72	359.82

	Grid Cell #	Flame length (ft)			Rate of spread (ft/min)			Fireline intensity (BTU/ft/min)			Heat per unit area (kJ/m^2)			Crown fire activity (class)			Mid-flame windspeed (mph)			Horizontal movement rate (mph)			Direction of maximum spread (degrees)		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
IFTDSS	4	3.41	16.00	175.84	2.39	15.42	294.40	81.37	715.37	26068.78	23237	31613	60336	1	2	3	0.52	2.62	5.24	0.03	0.86	3.34	83.14	6.58	2.16
FlamMap		3.41	16.00	175.84	2.39	15.42	294.40	81.38	715.41	26070.05	23237	31613	60336	1	2	3	0.52	2.62	5.24	0.03	0.86	3.34	83.14	6.58	2.16
IFTDSS	6	1.83	3.03	141.34	1.52	3.82	293.17	21.22	63.32	18785.50	9500	11290	43661	1	1	3	0.49	2.44	4.87	0.02	0.04	3.32	97.76	25.33	0.34
FlamMap		1.83	3.03	141.34	1.52	3.82	293.17	21.22	63.33	18786.42	9500	11290	43661	1	1	3	0.49	2.44	4.87	0.02	0.04	3.32	97.76	25.33	0.34
IFTDSS	21	0.00	20.65	38.31	0.00	119.29	387.72	0.00	4092.01	15692.36	0	23373	27578	0	1	1	2.74	13.69	27.38	0.00	1.34	4.38	180.00	6.88	3.75
FlamMap		0.00	20.65	38.31	0.00	119.29	387.72	0.00	4092.21	15693.13	0	23373	27578	0	1	1	2.74	13.69	27.38	0.00	1.34	4.38	180.00	6.88	3.75
IFTDSS	25	0.30	0.61	1.15	0.18	0.62	2.04	0.40	1.96	7.75	1482	2144	2593	1	1	1	0.46	2.29	4.58	0.00	0.01	0.02	236.74	344.59	355.38
FlamMap		0.30	0.61	1.15	0.18	0.62	2.04	0.40	1.96	7.75	1482	2144	2593	1	1	1	0.46	2.29	4.58	0.00	0.01	0.02	236.74	344.59	355.38
IFTDSS	32	4.02	81.76	204.00	3.42	84.91	308.69	116.65	8265.54	32572.99	23237	66330	71899	1	3	3	0.49	2.44	4.87	0.03	0.91	3.32	44.97	9.80	5.89
FlamMap		4.02	81.76	203.99	3.42	84.91	308.69	116.66	8265.95	32574.58	23237	66330	71899	1	3	3	0.49	2.44	4.87	0.03	0.91	3.32	44.97	9.80	5.89
IFTDSS	36	0.00	20.75	38.41	0.00	120.66	389.92	0.00	41.39	15781.25	0	23373	27578	0	1	1	2.74	13.69	27.38	0.00	1.34	4.35	180.00	5.76	3.65
FlamMap		0.00	20.75	38.41	0.00	120.66	389.91	0.00	4139.18	15782.02	0	23373	27578	0	1	1	2.74	13.69	27.38	0.00	1.34	4.35	180.00	5.76	3.65
IFTDSS	41	4.67	87.63	212.44	4.74	90.81	317.09	161.64	9171.27	34615.20	23237	68815	74385	1	3	3	0.49	2.44	4.87	0.05	0.93	3.28	43.83	13.19	8.24
FlamMap		4.67	87.63	212.43	4.74	90.81	317.08	161.65	9171.72	34616.90	23237	68815	74385	1	3	3	0.49	2.44	4.87	0.05	0.93	3.28	43.83	13.19	8.24
IFTDSS	56	0.27	0.68	1.27	0.15	0.78	2.50	0.32	2.45	9.50	1482	2144	2593	1	1	1	0.52	2.62	5.24	0.00	0.01	0.03	97.36	6.71	2.13
FlamMap		0.27	0.68	1.27	0.15	0.78	2.50	0.32	2.45	9.50	1482	2144	2593	1	1	1	0.52	2.62	5.24	0.00	0.01	0.03	97.36	6.71	2.13
IFTDSS	58	4.20	45.48	185.05	3.77	51.25	302.30	128.65	3429.32	28143.00	23237	45597	63434	1	2	3	0.25	2.62	5.24	0.04	0.90	3.39	290.44	347.36	353.93
FlamMap		4.20	45.48	185.05	3.77	51.25	302.30	128.66	3429.49	28144.37	23237	45597	63434	1	2	3	0.52	2.62	5.24	0.04	0.90	3.39	290.44	347.36	353.93
IFTDSS	64	2.00	4.05	65.34	1.84	7.16	283.42	25.62	118.58	5904.76	9500	11290	14196	1	1	3	1.04	5.21	10.43	0.02	0.08	2.99	185.93	358.72	0.13
FlamMap		2.00	4.05	65.34	1.84	7.16	283.42	25.62	118.59	5905.05	9500	11290	14196	1	1	3	1.04	5.21	10.43	0.02	0.08	2.99	185.93	358.72	0.13

Individual Stands Test Case

FM13 Finney (grid cell 32)

Parameters			Low		Moderate		High	
			IFTDSS	FlamMap	IFTDSS	FlamMap	IFTDSS	FlamMap
Outputs	Flame Length	ft	2.86	2.86	4.42	4.42	61.4	61.40
	Rate of Spread	chains/hour	2.89	2.89	6.38	6.38	109.06	107.99
	Fireline Intensity	Btu/ft/s	55.71	55.71	143.73	143.74	5379.23	5379.49
	Heat Per Unit Area	Btu/ft^2	1050.78	1050.78	1229.43	1229.43	2690.48	2690.48
	Crown Fire Activity	class	1	1	1	1	3	3
	Mid-Flame Wind Speed	miles/hour	0.49	0.49	2.44	2.44	4.87	4.87
	Horizontal Movement Rate	chains/hour	2.6	2.6	5.8	5.8	265.3	265.3
	Direction of Maximum Spread	degrees	47	47	30	30	6	6
Inputs	Elevation	ft	1444		1444		1444	
	Fuel Model		10		10		10	
	Slope	percent	51		51		51	
	Aspect	degrees	230		230		230	
	Canopy Coverage	percent	75		75		75	
	Canopy Height	ft	57.41		57.41		57.41	
	Canopy Base Height	ft	7.22		7.22		7.22	
	Canopy Bulk Density	lb/ft^3	0.0087		0.0087		0.0087	
	1-hr Fuel Moisture	percent	15		7		3	
	10-hr Fuel Moisture	percent	18		10		5	
	100-hr Fuel Moisture	percent	25		12		8	
	Live Herbaceous Fuel Moisture	percent	110		75		50	
	Live Woody Fuel Moisture	percent	140		100		75	
	Wind Direction	degrees	180		180		180	

FM13 Scott and Reinhardt (grid cell 32)

Parameters			Low		Moderate		High	
			IFTDSS	FlamMap	IFTDSS	FlamMap	IFTDSS	FlamMap
Outputs	Flame Length	ft	2.86	2.86	4.42	4.42	171.73	171.73
	Rate of Spread	chains/hour	2.89	2.89	6.38	6.38	280.63	280.63
	Fireline Intensity	Btu/ft/s	55.71	55.71	143.73	143.74	25160.04	25161.27
	Heat Per Unit Area	Btu/ft^2	1050.78	1050.78	1229.43	1229.43	4890.27	4890.27
	Crown Fire Activity	class	1	1	1	1	3	3
	Mid-Flame Wind Speed	miles/hour	0.49	0.49	2.44	2.44	4.87	4.87
	Horizontal Movement Rate	chains/hour	2.6	2.6	5.8	5.8	265.3	265.3
	Direction of Maximum Spread	degrees	47	47	30	30	6	6
Inputs	Elevation	ft	1444		1444		1444	
	Fuel Model		10		10		10	
	Slope	percent	51		51		51	
	Aspect	degrees	230		230		230	
	Canopy Coverage	percent	75		75		75	
	Canopy Height	ft	57.41		57.41		57.41	
	Canopy Base Height	ft	7.22		7.22		7.22	
	Canopy Bulk Density	lb/ft^3	0.0087		0.0087		0.0087	
	1-hr Fuel Moisture	percent	15		7		3	
	10-hr Fuel Moisture	percent	18		10		5	
	100-hr Fuel Moisture	percent	25		12		8	
	Live Herbaceous Fuel Moisture	percent	110		75		50	
	Live Woody Fuel Moisture	percent	140		100		75	
	Wind Direction	degrees	180		180		180	