

**Table A
REFERENCE FUEL MOISTURE**

		Day Time 0800 - 1959																				
		Relative Humidity (Percent)																				
Dry Bulb Temperature (F)		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100
10 - 29		1	2	2	3	4	5	5	6	7	8	8	8	9	9	10	11	12	12	13	13	14
30 - 49		1	2	2	3	4	5	5	6	7	7	7	8	8	9	10	10	11	12	13	13	13
50 - 69		1	2	2	3	4	5	5	6	6	7	7	8	8	9	9	10	11	12	12	12	13
70 - 89		1	1	2	2	3	4	5	5	6	7	7	8	8	8	9	10	10	11	12	12	13
90 - 109		1	1	2	2	3	4	4	5	6	7	7	8	8	8	9	10	10	11	12	12	13
109+		1	1	2	2	3	4	4	5	6	7	7	8	8	8	9	10	10	11	12	12	12

Go to Tables B, C, or D for Corrections

**Table B
DEAD FUEL MOISTURE CONTENT CORRECTIONS
MAY JUNE JULY**

		Exposed - Less than 50% Shading of Surface Fuels																						
		0800 >			1000 >			1200 >			1400 >			1600 >			1800 >							
		% Slope			B			L			A			B			L			A				
N	0 - 30%	2	3	4	1	1	1	0	0	1	0	0	1	1	1	1	1	1	1	2	3	4	5	
	31% +	3	4	4	1	2	2	1	1	2	1	1	2	1	2	2	2	3	4	4	4	4	4	5
E	0 - 30%	2	2	3	1	1	1	0	0	1	0	0	1	1	1	1	2	3	4	4	4	4	4	5
	31% +	1	2	2	0	0	1	0	0	1	1	1	2	2	3	4	4	5	6	4	5	6	4	5
S	0 - 30%	2	3	3	1	1	1	0	0	1	0	0	1	1	1	1	1	1	2	3	3	3	3	3
	31% +	2	3	3	1	1	2	0	1	1	0	1	1	1	1	2	2	3	3	3	3	3	3	3
W	0 - 30%	2	3	4	1	1	2	0	0	1	0	0	1	0	1	1	1	2	3	3	3	3	3	3
	31% +	4	5	6	2	3	4	1	1	2	0	0	1	0	0	1	1	2	2	2	2	2	2	2

Shaded - Greater than or Equal to 50% Shading of Surface Fuels

N	0% +	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6
E	0% +	4	4	5	3	4	5	3	3	4	3	4	4	3	4	4	3	4	5	4	5	6	4	5	6
S	0% +	4	4	5	3	4	5	3	3	4	3	3	4	3	4	5	4	5	5	4	5	5	4	5	5
W	0% +	4	5	6	3	4	5	3	3	4	3	3	4	3	4	5	4	5	6	4	5	6	4	5	6

B = Area of concern 1000'-2000' below wx site location
L = Area of concern within +/- 1000' of wx site location
A = Area of concern 1000'-2000' above wx site location

**Table C
DEAD FUEL MOISTURE CONTENT CORRECTIONS
FEBRUARY MARCH APRIL/AUGUST SEPTEMBER OCTOBER**

		Exposed - Less than 50% Shading of Surface Fuels																				
		0800 >			1000 >			1200 >			1400 >			1600 >			1800 >					
		% Slope			B			L			A			B			L			A		
N	0 - 30%	3	4	5	1	2	3	1	1	2	1	1	2	1	2	3	3	4	5	6		
	31% +	3	4	5	3	4	5	3	4	5	3	4	5	4	5	6	4	5	6	4	5	
E	0 - 30%	3	4	5	1	2	3	1	1	1	1	1	1	1	2	3	3	4	5	6		
	31% +	3	4	5	1	1	1	1	1	1	1	1	2	2	3	4	5	6	6	6		
S	0 - 30%	3	4	5	1	2	2	1	1	1	1	1	1	1	1	2	3	3	4	5		
	31% +	3	4	5	1	2	2	0	1	1	0	1	1	1	2	2	3	4	5	6		
W	0 - 30%	3	4	5	1	2	3	1	1	1	1	1	1	1	1	2	3	3	4	5		
	31% +	4	5	6	3	4	5	3	4	5	3	4	5	4	5	6	4	5	6	6		

Shaded - Greater than or Equal to 50% Shading of Surface Fuels

N	0% +	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6
E	0% +	4	5	6	3	4	5	3	4	5	3	4	5	3	4	5	4	5	6	4	5	6
S	0% +	4	5	6	3	4	5	3	4	5	3	4	5	3	4	5	4	5	6	4	5	6
W	0% +	4	5	6	3	4	5	3	4	5	3	4	5	3	4	5	4	5	6	4	5	6

B = Area of concern 1000'-2000' below wx site location
L = Area of concern within +/- 1000' of wx site location
A = Area of concern 1000'-2000' above wx site location

**Table D
DEAD FUEL MOISTURE CONTENT CORRECTIONS
November December January**

		Exposed - Less than 50% Shading of Surface Fuels																				
		0800 >			1000 >			1200 >			1400 >			1600 >			1800 >					
		% Slope			B			L			A			B			L			A		
N	0 - 30%	4	5	6	3	4	5	2	3	4	2	3	4	3	4	5	4	5	6	6		
	31% +	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	
E	0 - 30%	4	5	6	3	4	4	2	3	3	2	3	3	3	4	5	4	5	6	6		
	31% +	4	5	6	2	3	4	2	2	3	3	4	4	4	5	6	4	5	6	6		
S	0 - 30%	4	5	6	3	4	5	2	3	3	2	2	3	3	4	4	4	5	6	6		
	31% +	4	5	6	2	3	3	1	1	2	1	1	2	2	3	3	4	5	6	6		
W	0 - 30%	4	5	6	3	4	5	2	3	3	2	3	3	3	4	4	4	5	6	6		
	31% +	4	5	6	4	5	6	3	4	4	2	2	3	2	3	4	4	5	6	6		

Shaded - Greater than or Equal to 50% Shading of Surface Fuels

N	0% +	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6
E	0% +	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6
S	0% +	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6
W	0% +	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6

B = Area of concern 1000'-2000' below wx site location
L = Area of concern within +/- 1000' of wx site location
A = Area of concern 1000'-2000' above wx site location

Shading (Percent)	Dry Bulb Temp (F)	Probability of Ignition Table															
		FINE DEAD FUEL MOISTURE PERCENT															
Unshaded <50%	110+	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	100-109	100	100	80	70	60	60	50	40	40	30	30	20	20	20	20	10
	90-99	100	90	80	70	60	50	40	40	30	30	30	20	20	20	20	10
Unshaded >50%	80-89	100	90	80	70	60	50	40	40	30	30	20	20	20	10	10	10
	70-79	100	80	70	60	60	50	40	40	30	30	20	20	20	10	10	10
	60-69	90	80	70	60	50	50	40	30	30	20	20	20	20	10	10	10
	50-59	90	80	70	60	50	40	40	30	30	20	20	20	20	10	10	10
	40-49	90	80	70	60	50	40	40	30	30	20	20	20	20	10	10	10
	30-39	80	70	60	50	50	40	30	30	20	20	20	20	10	10	10	10
Shaded >50%	110+	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	100-109	100	90	80	70	60	50	50	40	40	30	30	20	20	20	10	10
	90-99	100	90	80	70	60	50	40	40	30	30	20	20	20	20	10	10
	80-89	100	80	70	60	60	50	40	40	30	30	20	20	20	10	10	10
	70-79	90	80	70	60	50	50	40	40	30	30	20	20	20	10	10	10
	60-69	90	80	70	60	50	40	40	30	30	20	20	20	20	10	10	10
Critical Burning Conditions - Expect Extreme Fire Behavior	50-59	90	80	70	60	50	40	40	30	30	20	20	20	10	10	10	10
	40-49	90	80	70	60	50	40	40	30	30	20	20	20	20	10	10	10
	30-39	80	80	60	50	50	40	30	30	20	20	20	20	10	10	10	10
Dangerous Burning Conditions - Expect Spotting																	
Moderate Burning Conditions																	

- Go to Table A. Determine **Reference Fuel Moisture** percent from the intersection of temperature & relative humidity. Record this **RFM** percentage.
- Find the current month from Tables B, C and D. Use the table with the correct month.
- Determine if the projection point, or point of concern, is less than, or greater than 50% shading from tree canopy clouds or smoke. Use the appropriate 1/2 of the table.
- Select the column for the time of concern.
- Select the column with B, L, or A depending on elevation change from weather observation to point of concern. 1,000'-2,000' Below the wx obs, 1,000'-2,000' Above the wx obs, or within 1,000' of wx obs = **L**.
- Select the row with the correct aspect for the area of concern.
- Select the row with the correct slope % for the area of concern.
- The final row and column intersection is the fuel moisture correction value. Add it to **RFM** for Fine Fuel Moisture percent.

Table E
REFERENCE FUEL MOISTURE

		Night Time 2000 - 0759																			
		Relative Humidity (Percent)																			
Dry Bulb Temperature (F)	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100
	10 - 29	1	2	4	5	5	6	7	8	9	10	11	12	12	14	15	17	19	22	25	25
30 - 49	1	2	3	4	5	6	7	8	9	9	11	11	12	13	14	16	18	21	24	25	25
50 - 69	1	2	3	4	5	6	6	8	8	9	10	11	11	12	14	16	14	20	23	25	25
70 - 89	1	1	3	4	4	5	6	7	8	9	10	10	11	12	13	15	17	20	23	25	25
90 - 109	1	1	3	3	4	5	6	7	8	9	9	10	10	11	13	14	16	19	22	25	25
109+	1	1	2	3	4	5	6	6	8	9	9	10	10	11	12	14	16	19	21	24	25

Go to Table F for Corrections
Numbers in Italics are 25+

Table F
DEAD FUEL MOISTURE CONTENT CORRECTIONS

Night Time - 2000 to 0759

Aspect	2000->			2200->			0000->			0200->			0400->			0600->		
	B	L	A	B	L	A	B	L	A	B	L	A	B	L	A	B	L	A
N & E	9	1	1	13	1	2	16	2	2	17	1	1	18	1	1	16	2	1
S & W	9	0	1	14	0	1	16	0	2	17	0	1	18	0	0	9	0	1

B = Area of concern 1000'-2000' below wx site location
L = Area of concern within +/- 1000' of wx site location
A = Area of concern 1000'-2000' above wx site location