

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	B	L	A	B	L	A	B	L	A	B	L	A
N	0 - 30%	2	3	4	1	1	1	0	0	1	0	0	1	1	1	1	2	3	4
	31% +	3	4	4	1	2	2	1	1	2	1	1	2	1	2	2	3	4	4
E	0 - 30%	2	2	3	1	1	1	0	0	1	0	0	1	1	1	2	3	4	4
	31% +	1	2	2	0	0	1	0	0	1	1	1	2	2	3	4	4	5	6
S	0 - 30%	2	3	3	1	1	1	0	0	1	0	0	1	1	1	1	2	3	3
	31% +	2	3	3	1	1	2	0	1	1	0	1	1	1	1	2	2	3	3
W	0 - 30%	2	3	4	1	1	2	0	0	1	0	0	1	1	1	1	2	3	3
	31% +	4	5	6	2	3	4	1	1	2	0	0	1	1	1	2	2	2	2
		Shaded - Greater than or Equal to 50% Shading of Surface Fuels																	
N	0% +	4	5	5	3	4	5	3	3	4	3	3	4	4	5	4	5	5	
E	0% +	4	4	5	3	4	5	3	3	4	3	4	4	3	4	5	4	5	
S	0% +	4	4	5	3	4	5	3	3	4	3	3	4	4	5	4	5		
W	0% +	4	5	6	3	4	5	3	3	4	3	3	4	4	5	4	5		

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	B	L	A	B	L	A	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		
	31% +	3	4	5	3	3	4	2	3	4	2	3	4	3	3	4	3	4	5		
E	0 - 30%	3	4	5	1	2	3	1	1	1	1	1	2	1	2	3	3	4	5		
	31% +	3	3	4	1	1	1	1	1	1	1	2	3	3	4	4	5	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	1	2	2	3	4	5	
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	1	2	3	1	1	1	1	1	1	1	1	1	1	1
		Shaded - Greater than or Equal to 50% Shading of Surface Fuels																			
N	0% +	4	5	6	4	5	5	3	4	5	3	4	5	4	5	4	5	5	6		
E	0% +	4	5	6	3	4	5	3	4	5	3	4	5	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	4	5	6
W	0% +	4	5	6	3	4	5	3	4	5	3	4	5	3	4	5	4	5	4	5	6

B = Area of concern 1000'-2000' below wx site location
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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	B	L	A	B	L	A	B	L	A	B	L	A	
N	0 - 30%	4	5	6	3	4	5	2	3	4	2	3	4	4	5	4	5	6		
	31% +	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	
E	0 - 30%	4	5	6	3	4	4	2	3	3	2	3	3	3	4	4	5	4	5	6
	31% +	4	5	6	2	3	4	2	2	3	3	4	4	4	5	6	4	5	6	
S	0 - 30%	4	5	6	3	4	5	2	3	3	2	2	3	3	4	4	4	5	6	
	31% +	4	5	6	2	3	3	1	1	2	1	1	2	2	3	3	4	5	6	
W	0 - 30%	4	5	6	3	4	5	2	3	3	2	3	3	3	4	4	4	5	6	
	31% +	4	5	6	4	5	6	3	4	4	2	2	3	2	3	4	4	5	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	
E	0% +	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	
W	0% +	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
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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	10	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																	

1. Go to Table A. Determine **Reference Fuel Moisture** percent from the intersection of temperature & relative humidity. Record this **RFM** percentage.
2. Find the current month from Tables B, C and D. Use the table with the correct month.
3. 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 $\frac{1}{2}$ of the table.
4. Select the column for the time of concern.
5. Select the column with B, L, or A depending on elevation change from weather observation to point of concern. 1,000'-2,000' **B**elow the wx obs, 1,000'-2,000' **A**bove the wx obs, or within 1,000' of wx obs = **L**.
6. Select the row with the correct aspect for the area of concern.
7. Select the row with the correct slope % for the area of concern.
8. The final row and column intersection is the fuel moisture correction value. Add it to **RFM** for Fine Fuel Moisture percent.