

## Fine Dead Fuel Moisture and **Probability of Ignition Tables**

**Table A** 

- 1. Using Table A, determine Reference Fuel Moisture (RFM) % from intersection of temperature and relative humidity. Record this RFM percentage.
- 2. Select Table B, C, or D to adjust RFM for local conditions by finding current month in table title.
  - Are the fine fuels more than 50% shaded by canopies and clouds? If yes, use bottom (shaded) portion of table. If no, use top (exposed) portion of table.
  - Determine the appropriate row based on aspect and slope. Determine the appropriate column based on time of day and elevation of area of concern when compared to the wx site elevation.
  - Obtain the Dead Fuel Moisture Content Correction (%) from the intersection of row and column.
- 3. Add the resulting Dead Fuel Moisture Content Correction (%) to the Reference Fuel Moisture (%) to obtain FDFM percent.
- 4. Using table E, determine Probability of Ignition (PIG) % from intersection of FDFM and your correct Shaded/Unshaded temperature reading.

Probability of Ignition Tables from National Wildfire Coordinating Group. "Incident Response Pocket Guide," January 2014

								REFE	RENC	e fuei		STURE	_								
								D	ay Tin	ne 080	0 - 195	i9									
	Relative Humidity (Percent)																				
Dry Bulb Temperature (F)	0-4	5-9	10-14	15-19	20-24	25-29	30-34	36-39	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	9	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 Tab	oles B,	C, or	D for C	Correct	ions								

Table A

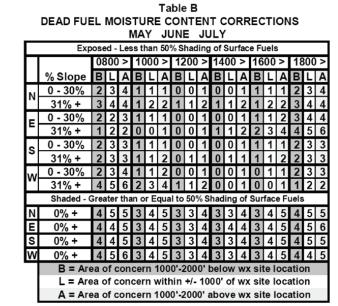


Table **B** 

Table D
DEAD FUEL MOISTURE CONTENT CORRECTIONS
November December January
Exposed - Less than 50% Shading of Surface Fuels

Table D

	Exp	ose	ed -	Les	ss tl	han	50	% S	had	ling	of	Su	fac	e Fi	uels	3			
		0800 >			10	000	<	12	200	) >	14	00	>	16	00	>	1800 >		
	% Slope	В	L	Α	В	L	Α	В	L	Α	В	L	Α	В	L	Α	В	L	Α
Ν	0 - 30%	4	5	6	3	4	5	2	3	4	2	3	4	3	4	5	4	5	6
	31% +	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6
Е	0 - 30%	4	5	6	3	4	4	2	3	3	2	3	3	3	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
3	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 - C	Grea	ater	tha	an o	r E	qua	l to	50	% S	had	ling	of	Sur	fac	e Fi	uels	;	
Ν	0% +	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6
Ε	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 = Are	ea c	of c	on	cer	'n 1	00	0'-2	200	0' I	bel	ow	wx	sit	te I	006	atio	n	
	L = Are	a c	of c	on	cer	'n v	vitł	nin	+/-	10	00'	of	wx	sit	te I	oca	atio	n	
	A = Are	ea c	of c	on	cer	'n 1	00	0'-2	200	0' á	abo	ve	wx	si	te I	oca	atic	n	

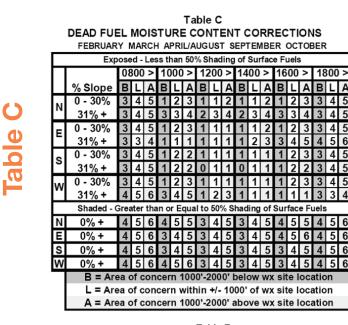


Table E

Shading	Dry Bulb																
(Percent)	Temp (F)	FINE DEAD FUEL MOISTURE PERCENT   2 3 4 5 6 7 8 9 10 11 12 13 14 15 16   100 100 80 70 60 60 50 40 40 30 30 20 10 10 90 80 70 60 50 40 40 30 30 20 20 10															
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	110+	100	100	80	70	60	60	50	40	40	30	30	20	20	20	20	10
	100-109	100	90	80	70	60	60	50	40	40	30	30	20	20	20	10	10
	90-99	100	90	80	70	60	50	40	40	30	30	30	20	20	20	10	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	10	10	10	10
	40-49	90	80	70	60	50	40	40	30	30	20	20	20	10	10	10	10
	30-39	80	70	60	50	50	40	30	30	20	20	20	10	10	10	10	10
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	110+	100	90	80	70	60	50	50	40	40	30	30	20	20	20	10	10
	100-109	100	90	80	70	60	50	50	40	30	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
Shaded	80-89	100	80	70	60	60	50	40	40	30	30	20	20	20	10	10	10
>50%	70-79	90	80	70	60	50	50	40	30	30	30	20	20	20	10	10	10
	60-69	90	80	70	60	50	40	40	30	30	20	20	20	10	10	10	10
	50-59	90	80	70	60	50	40	40	30	30	20	20	20	10	10	10	10
	40-49	90	80	60	50	50	40	30	30	30	20	20	20	10	10	10	10
	30-39	80	80	60	50	50	40	30	30	20	20	20	10	10	10	10	10

Table E