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Canadian Forest Fire Weather Index Tables



**CANADIAN
FOREST FIRE WEATHER INDEX
TABLES**

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FOREWORD

The Third Edition of the CANADIAN FOREST FIRE WEATHER INDEX TABLES incorporates changes to the *Drought Code* and the *Initial Spread Index*. The precision of the tables has been increased and the *DC* limit has been extended to cover the most extreme weather conditions. The design layout has also been improved but there are *no* changes to the basic mathematical structure of the system.

COMPONENTS OF THE FOREST FIRE WEATHER INDEX

The six components of the FOREST FIRE WEATHER INDEX provide a numerical rating of relative wildland fire potential. The first three components are fuel moisture codes that follow daily changes in the moisture contents of three classes of forest fuel with different drying rates. For each, there are two phases – one for wetting by rain (green tables) and one for drying (yellow tables) – arranged so that the higher values represent lower moisture contents and hence greater flammability. The final three components are indices representing rate of spread, amount of available fuel and fire intensity. These three (pink tables) are guides to daily operational preparedness and suppression planning. The system is dependent on weather only and does not consider differences in risk, fuels or topography, thus providing a uniform method of rating fire weather severity across Canada. The six components are described below:

FINE FUEL MOISTURE CODE (FFMC) is a numerical rating of the moisture content of litter and other cured fine fuels. This code is an indicator of the relative ease of ignition and flammability of fine fuel.

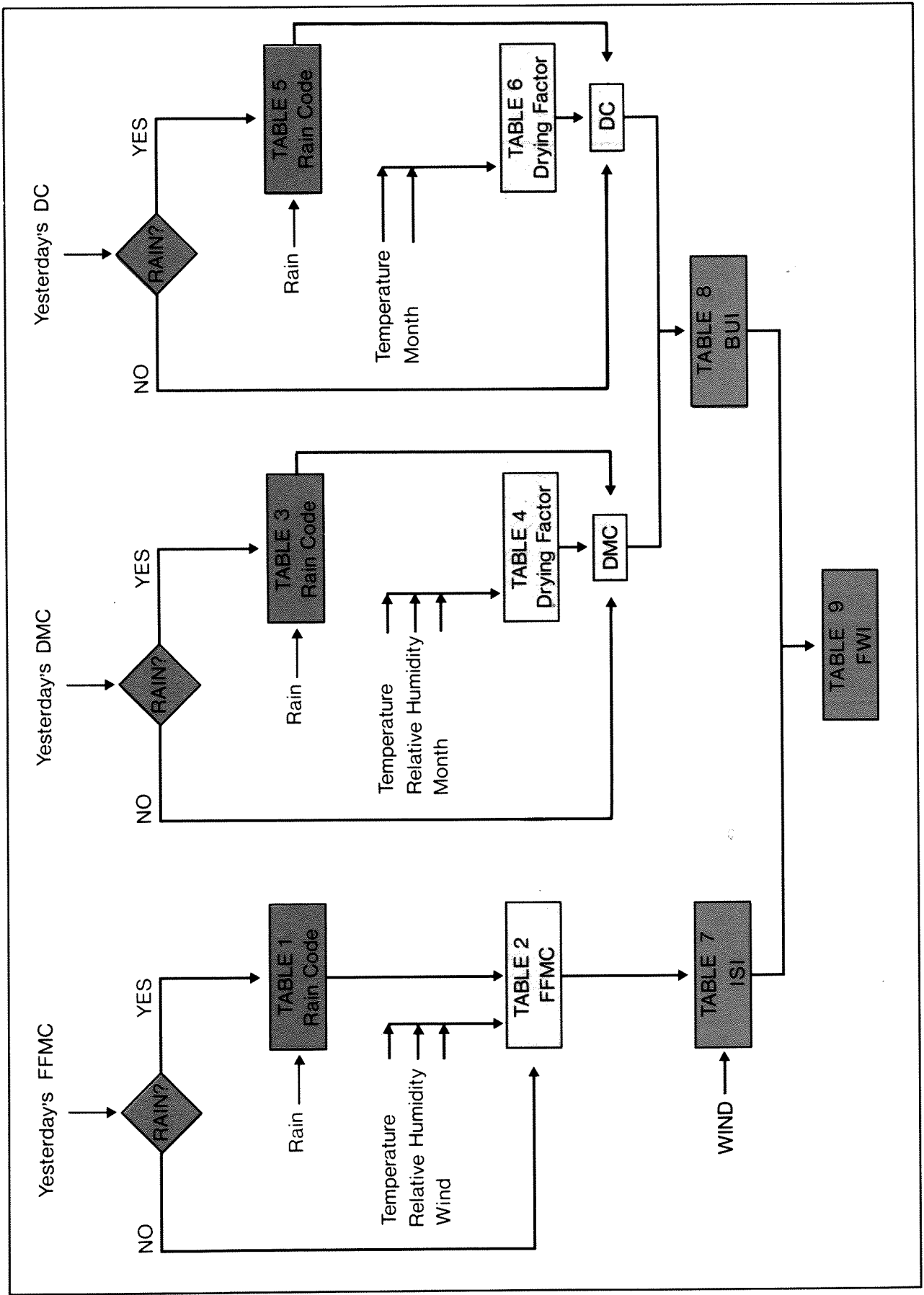
DUFF MOISTURE CODE (DMC) is a numerical rating of the average moisture content of loosely compacted organic layers of moderate depth. This code gives an indication of fuel consumption in moderate duff layers and medium-size woody material.

DROUGHT CODE (DC) is a numerical rating of the average moisture content of deep, compact, organic layers. This code is a useful indicator of seasonal drought effects on forest fuels, total fuel consumption and amount of smouldering in deep duff layers and large logs.

INITIAL SPREAD INDEX (ISI) is a numerical rating of the relative spread of fire that can be expected soon after ignition. It is the combined effect of wind and FFMC on rate of spread without the influence of variable quantities of fuel.

BUILDUP INDEX (BUI) is a numerical rating of the total amount of fuel available for combustion.

FIRE WEATHER INDEX (FWI) is a numerical rating of fire intensity. It is suitable as a general index of fire danger throughout the forested areas of Canada.



TO START RECORDS IN THE SPRING

The daily record should be started as soon as there is measurable fire danger in the spring. The exact date and starting values of FFMC, DMC and DC will normally be provided by the regional fire management or fire weather forecasting organization. In the absence of such direction, the following procedures will usually give satisfactory results:

- (a) In regions where snow cover is normal during the winter, begin calculations on the third day after the area to which the index is to apply is essentially snow-free using the following starting code values:

$$\begin{aligned}\text{FFMC} &= 85 \\ \text{DMC} &= 6 \\ \text{DC} &= 15\end{aligned}$$

- (b) In regions where snow cover is not a significant feature, calculations should be started on the third successive day that noon temperatures of 12 °C or higher have been recorded. At this time begin calculations with the following starting code values:

$$\begin{aligned}\text{FFMC} &= 85 \\ \text{DMC} &= 2 \times \text{number of days since measurable rain} \\ \text{DC} &= 5 \times \text{number of days since measurable rain}\end{aligned}$$

WEATHER SYMBOLS

WEATHER PARAMETER	SYMBOL	UNIT
Temperature	°C	Degrees Celsius
Relative Humidity	%	Per Cent
Wind	km/h	Kilometres per hour
Rain	mm	Millimetres

WEATHER OBSERVATIONS

The calculation of the *Fire Weather Index* is based on current temperature, relative humidity, wind speed and 24-hour accumulated rainfall measured at 1200 standard time (1300 daylight time). These noon observations and the FWI calculations should be recorded on the monthly record form, even on days when it is raining at noon.

TEMPERATURE (°C)

Measurements are to be made to at least the nearest one-half degree Celsius.

RELATIVE HUMIDITY (%)

Observations of ventilated wet and dry-bulb thermometers are the recommended basis for calculating relative humidity. The *Relative Humidity* table included in this publication is to be used at low elevation stations. For stations above 305 metres, other *RH* tables are available.

Relative Humidity Table	Elevation in Metres
10	≤305
10A	306-760
10B	761-1370
10C	≥1371

WIND (km/h)

The average of the wind speed over at least a 10-minute interval should be recorded in kilometres per hour. It is recommended that the anemometer be located in the open at the internationally accepted height of 10 metres, but if the station instrument differs appreciably from this standard or if it is necessary to rely on an estimate of wind speed, special instructions will be supplied.

RAIN (mm)

Rain should be measured to the nearest one-fifth (0.2) millimetre. If the precipitation is in the form of snow, the depth should be measured in centimetres, and the water equivalent then recorded as the same number of millimetres. For example: 2.4 cm of snow is recorded in the rain column as 2.4 mm.

ENGLISH - FRENCH EQUIVALENTS

FFMC (FINE FUEL MOISTURE CODE)	-	ICL (INDICE du COMBUSTIBLE LEGER)
DMC (DUFF MOISTURE CODE)	-	IH (INDICE de l'HUMUS)
DC (DROUGHT CODE)	-	IS (INDICE de SECHERESSE)
ISI (INITIAL SPREAD INDEX)	-	IPI (INDICE de PROPAGATION INITIALE)
BUI (BUILDUP INDEX)	-	ICD (INDICE du COMBUSTIBLE DISPONIBLE)
FWI (FIRE WEATHER INDEX)	-	IFM (INDICE FORET-METEO)

FWI CALCULATIONS (Rainfall Tables)

Table 1*

DATE	Rain (mm)				FFMC								
	24 Hour				1	2							
					RAIN CODE	Fine Fuel Moisture Code							
30/31													
1						90							
2				13.4	20			WITH RAIN					

Table 3

DATE	Rain (mm)				DMC								
	24 Hour				3	4							
					RAIN CODE	Duff Moisture Code							
30/31													
1						29							
2				13.4	12			WITH RAIN					

Table 5

DATE	Rain (mm)				DC								
	24 Hour				5	6							
					RAIN CODE	Drought Code							
30/31													
1						301							
2				13.4	WITH RAIN		173						

*If there is NO RAIN proceed directly to Table 2

FINE FUEL MOISTURE CODE

(Rainfall Table)

Yesterday's FFMC	Rain (mm)														
	0.0	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.1	2.4	2.7	3.0	3.3	3.6	4.0
	0.5	0.7	0.9	1.1	1.3	1.5	1.7	2.0	2.3	2.6	2.9	3.2	3.5	3.9	4.4
	Rain Code														
0-2	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-7	O	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8-12		8	7	6	6	5	5	4	4	3	3	3	2	2	2
13-17	C	13	13	12	11	10	9	8	8	7	6	6	6	5	5
18-22	H	18	18	17	16	15	13	12	11	10	10	9	8	8	7
	A														
23-27	N	23	23	21	20	19	17	15	14	13	12	12	11	10	10
28-32	G	28	27	26	24	23	21	19	17	16	15	14	13	13	12
33-37	E	33	32	30	28	26	24	22	20	19	17	16	16	15	14
38-42		38	37	34	32	30	27	25	23	21	20	19	18	17	16
43-47		43	41	39	36	34	31	28	26	24	22	21	20	19	17
48-52		48	46	43	40	37	34	31	28	26	25	23	22	21	19
53-57		53	50	47	44	41	37	34	31	29	27	25	24	23	21
58-62		58	54	51	48	45	41	37	34	31	29	28	26	25	23
63-67		63	59	55	52	48	44	40	37	34	32	30	28	27	25
68-72		68	63	59	56	52	47	43	39	36	34	32	30	29	27
73-77		73	68	64	60	56	51	46	42	39	36	34	33	31	29
78-79		76	71	67	63	58	53	48	44	41	38	36	34	32	30
80		77	72	68	64	59	54	49	45	42	39	37	35	33	30
81		78	73	69	64	60	55	50	45	42	39	37	35	33	31
82		79	74	69	65	61	55	50	46	43	40	37	35	33	31
83		80	75	70	66	62	56	51	46	43	40	38	36	34	32
84		81	76	71	67	62	57	51	47	44	41	38	36	34	32
85		82	77	72	68	63	57	52	48	44	41	39	37	35	32
86		83	78	73	68	64	58	53	48	45	42	39	37	35	33
87		84	79	74	69	65	59	53	49	45	42	40	38	35	33
88		85	79	74	70	65	59	54	49	46	43	40	38	36	33
89		86	80	75	71	66	60	55	50	46	43	41	38	36	34
90		87	81	76	72	67	61	55	50	47	44	41	39	37	34
91		88	82	77	72	67	61	56	51	47	44	42	39	37	34
92		89	83	78	73	68	62	56	51	48	45	42	40	37	35
93		90	84	79	74	69	63	57	52	48	45	42	40	38	35
94		91	85	79	75	70	63	58	53	49	45	43	41	38	36
95		92	86	80	75	70	64	58	53	49	46	43	41	39	36
96		93	87	81	76	71	65	59	54	50	46	44	41	39	36
97		94	87	82	77	72	65	59	54	50	47	44	42	39	37
98		95	88	83	78	73	66	60	55	51	47	45	42	40	37
99		96	89	84	79	73	67	61	55	51	48	45	43	40	37

Yesterday's FFMC	Rain (mm)														
	4.5	5.1	5.8	6.7	7.8	9.2	12	15	18	22	26	31	38	47	
	5.0	5.7	6.6	7.7	9.1	11	14	17	21	25	30	37	46	58	≥ 59
	Rain Code														
0-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-12	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0
13-17	4	4	4	3	3	3	2	2	2	2	1	1	1	1	0
18-22	7	6	6	5	5	5	4	4	3	3	3	2	2	2	1
23-27	9	8	8	7	7	6	6	5	5	4	4	3	3	3	2
28-32	11	10	9	9	8	8	7	6	6	5	5	4	4	3	3
33-37	13	12	11	10	10	9	8	7	7	6	6	5	4	4	3
38-42	14	13	12	12	11	10	9	8	8	7	6	6	5	4	3
43-47	16	15	14	13	12	11	10	9	9	8	7	6	6	5	4
48-52	18	16	15	14	14	13	11	10	9	9	8	7	6	5	4
53-57	20	18	17	16	15	14	12	11	10	9	9	8	7	6	4
58-62	21	20	18	17	16	15	13	12	11	10	9	8	7	6	5
63-67	23	21	20	19	17	16	15	13	12	11	10	9	8	6	5
68-72	25	23	21	20	19	17	16	14	13	12	11	9	8	7	5
73-77	26	24	22	21	20	18	17	15	14	13	11	10	9	7	6
78-79	28	25	24	22	21	19	17	16	14	13	12	10	9	8	6
80	28	26	24	23	21	20	18	16	15	13	12	11	9	8	6
81	28	26	24	23	21	20	18	16	15	13	12	11	9	8	6
82	29	26	25	23	22	20	18	16	15	14	12	11	9	8	6
83	29	27	25	23	22	20	18	17	15	14	12	11	9	8	6
84	29	27	25	24	22	21	19	17	15	14	13	11	10	8	6
85	30	27	25	24	22	21	19	17	15	14	13	11	10	8	6
86	30	28	26	24	23	21	19	17	16	14	13	11	10	8	6
87	30	28	26	24	23	21	19	17	16	14	13	12	10	8	6
88	31	28	26	25	23	22	19	18	16	15	13	12	10	8	6
89	31	29	27	25	23	22	20	18	16	15	13	12	10	8	7
90	32	29	27	25	24	22	20	18	16	15	13	12	10	8	7
91	32	29	27	26	24	22	20	18	16	15	14	12	10	9	7
92	32	29	27	26	24	22	20	18	17	15	14	12	10	9	7
93	33	30	28	26	24	23	20	19	17	15	14	12	11	9	7
94	33	30	28	26	25	23	21	19	17	15	14	12	11	9	7
95	33	30	28	27	25	23	21	19	17	16	14	12	11	9	7
96	34	31	29	27	25	23	21	19	17	16	14	13	11	9	7
97	34	31	29	27	25	24	21	19	18	16	14	13	11	9	7
98	34	31	29	27	26	24	21	19	18	16	15	13	11	9	7
99	35	32	29	28	26	24	22	20	18	16	15	13	11	9	7

DUFF MOISTURE CODE

(Rainfall Table)

Yesterday's DMC	Rain (mm)														
	0.0	1.5	1.7	1.9	2.1	2.3	2.6	2.9	3.2	3.5	3.9	4.3	4.7	5.2	5.8
	1.4	1.6	1.8	2.0	2.2	2.5	2.8	3.1	3.4	3.8	4.2	4.6	5.1	5.7	6.4
		Rain Code													
0-2	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-5	O	3	3	3	3	2	2	2	2	2	2	2	2	2	2
6-8		6	6	6	5	5	5	4	4	4	4	4	4	4	3
9-11	C	9	9	8	8	8	7	7	6	6	6	6	6	6	5
12-14	H	12	12	11	11	10	10	9	9	9	8	8	8	7	7
	A														
15-17	N	15	15	14	14	13	12	11	11	11	10	10	10	9	9
18-20	O	18	18	17	16	16	15	14	14	13	13	12	12	11	11
21-23		21	20	20	19	18	17	17	16	16	15	14	14	13	13
24-26	C	24	23	22	22	21	20	19	19	18	17	17	16	15	15
27-29	H	27	26	25	24	24	23	22	21	20	19	19	18	17	16
	A														
30-33	N	30	29	28	28	27	26	25	24	23	22	21	20	19	19
34-37	O	34	33	32	31	30	29	28	27	26	25	24	23	22	21
38-41		38	37	36	35	34	32	31	30	29	28	27	26	25	24
42-45	C	42	41	40	38	37	36	34	33	32	31	30	29	28	26
46-49	H	46	45	43	42	40	39	38	36	35	34	33	32	30	29
	A														
50-53	N	50	48	47	45	44	42	41	39	38	37	35	34	33	32
54-57	O	54	52	50	49	47	45	44	42	41	39	38	37	35	34
58-61		58	56	54	52	50	48	47	45	44	42	41	39	38	36
62-66	C	62	60	58	56	54	52	50	48	47	45	43	42	40	39
67-71	H	67	64	62	60	58	56	54	52	50	48	47	45	44	42
	A														
72-76	N	71	69	66	64	62	59	57	56	54	52	50	48	47	45
77-81	O	76	73	71	68	66	63	61	59	57	55	53	51	50	48
82-86		81	77	75	72	69	67	64	62	60	58	56	54	53	51
87-91	C	85	82	79	76	73	70	67	65	63	61	59	57	55	53
92-97	H	90	86	83	80	77	74	71	69	66	64	62	60	58	56
	A														
98-103	N	96	91	88	84	81	77	74	72	69	67	65	63	61	59
104-109	O	101	96	92	88	85	81	78	75	73	70	68	66	64	62
110-115		106	101	96	92	88	84	81	78	75	73	71	68	66	64
116-122	C	112	106	101	96	92	88	84	81	78	76	73	71	69	67
123-129	H	118	111	105	100	96	91	87	84	81	78	76	74	71	69
	A														
130-137	N	124	116	110	105	99	95	91	87	84	81	79	76	74	71
138-146	O	131	122	114	109	103	98	94	90	87	84	81	79	76	74
147-156		138	127	119	113	107	101	97	93	90	87	84	81	79	76
157-168	C	146	133	124	118	111	105	100	96	93	89	86	84	81	79
169-184	H	155	140	130	122	115	109	103	99	96	92	89	86	84	81
	A														
185-207	N	166	148	136	127	119	112	107	103	99	95	92	89	87	84
208-241	O	178	155	142	132	124	116	111	106	102	98	95	92	90	87
242-291		189	161	146	136	127	119	113	109	105	101	98	95	92	90
292-363	C	195	165	149	138	129	121	116	111	107	103	100	97	95	92
364-462	H	197	166	150	140	130	123	117	113	109	105	102	99	97	94

Yesterday's DMC	Rain (mm)														
	6.5	7.3	8.3	9.5	12	15	18	21	25	29	34	40	48	60	
	7.2	8.2	9.4	11	14	17	20	24	28	33	39	47	59	79	≥ 80
	Rain Code														
0-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
6-8	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
9-11	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4
12-14	7	7	6	6	6	6	6	5	5	5	5	5	5	5	5
15-17	9	8	8	8	7	7	7	7	6	6	6	6	6	6	6
18-20	11	10	10	9	9	8	8	8	7	7	7	7	7	7	7
21-23	12	12	11	11	10	9	9	9	8	8	8	8	8	7	7
<u>24-26</u>	<u>14</u>	13	13	12	11	11	10	10	9	9	9	8	8	8	8
27-29	16	15	14	14	12	12	11	11	10	10	9	9	9	8	8
30-33	18	17	16	15	14	13	12	11	11	10	10	10	9	9	9
34-37	20	19	18	17	16	14	14	13	12	12	11	11	10	10	10
38-41	23	22	21	20	18	17	16	15	14	14	13	13	12	12	11
42-45	25	24	23	22	20	19	18	17	16	16	15	15	14	14	13
46-49	28	27	25	24	22	21	20	19	18	18	17	16	16	15	15
50-53	30	29	28	26	24	23	22	21	20	19	19	18	18	17	16
54-57	33	31	30	28	26	25	24	23	22	21	20	20	19	19	18
58-61	35	33	32	30	28	26	25	24	23	23	22	21	21	20	19
62-66	37	36	34	32	30	28	27	26	25	24	23	23	22	21	21
67-71	40	39	37	35	33	31	30	29	28	27	27	26	25	25	24
72-76	43	42	40	38	36	34	33	32	31	30	29	29	28	28	27
77-81	46	45	43	41	39	37	36	35	34	33	32	32	31	30	30
82-86	49	47	46	44	41	40	38	37	36	36	35	34	34	33	32
87-91	52	50	48	46	44	42	41	40	39	38	37	37	36	35	35
92-97	54	52	51	49	46	45	43	42	41	41	40	39	39	38	37
98-103	57	55	53	52	49	47	46	45	44	43	42	42	41	41	40
104-109	60	58	56	54	52	50	48	47	46	46	45	44	44	43	42
110-115	62	60	58	56	54	52	51	49	49	48	47	46	46	45	45
116-122	65	63	61	59	56	54	53	52	51	50	49	49	48	47	47
123-129	67	65	63	61	58	56	55	54	53	52	52	51	50	50	49
130-137	69	67	65	63	61	59	57	56	55	54	54	53	52	52	51
138-146	72	70	68	66	63	61	59	58	57	57	56	55	55	54	53
147-156	74	72	70	68	65	63	62	61	60	59	58	58	57	56	56
157-168	76	74	72	70	67	65	64	63	62	61	60	60	59	59	58
169-184	79	77	75	72	70	68	66	65	64	64	63	62	62	61	60
185-207	82	79	77	75	72	70	69	68	67	66	66	65	64	64	63
208-241	85	82	80	78	75	73	72	71	70	69	69	68	68	67	66
242-291	87	85	83	81	78	76	75	74	73	73	72	71	71	70	70
292-363	90	88	86	84	81	79	78	77	76	76	75	75	74	74	73
364-462	92	90	88	86	84	82	81	80	79	79	78	78	77	77	76

DROUGHT CODE

(Rainfall Table)

Yesterday's DC	Rain (mm)													
	0	2.9	4.7	6.3	7.9	9.5	12	14	16	19	22	26	31	36
	2.8	4.6	6.2	7.8	9.4	11	13	15	18	21	25	30	35	40
	Rain Code													
0-14	N	0	0	0	0	0	0	0	0	0	0	0	0	0
15-29	O	15	14	13	10	7	4	0	0	0	0	0	0	0
30-44		30	29	27	24	21	18	14	10	5	0	0	0	0
45-59		45	44	42	39	36	32	29	24	19	13	6	0	0
60-74	C	60	59	56	53	50	46	43	38	33	27	19	10	2
75-89	H	75	74	71	68	64	61	57	52	47	40	32	23	15
90-104	A	90	89	86	82	79	75	71	66	60	54	45	36	27
105-119	N	105	104	100	97	93	89	85	80	74	67	59	49	40
120-134	G	120	118	115	111	107	103	99	94	88	81	72	62	53
135-149	E	135	133	129	126	122	117	113	107	101	94	85	75	65
150-164		150	148	144	140	136	131	127	121	115	107	98	87	77
165-179		165	162	158	155	150	145	141	135	128	120	110	100	90
180-194		180	177	173	169	164	159	155	149	142	133	123	112	102
195-209		195	192	187	183	179	173	168	162	155	147	136	125	114
210-224		210	206	202	197	193	187	182	176	168	160	149	137	126
225-239		225	221	216	212	207	201	196	189	181	173	161	149	138
240-254		240	235	231	226	221	215	210	203	195	185	174	161	149
255-269		255	250	245	240	235	229	223	216	208	198	186	174	161
270-284		270	264	259	254	249	243	237	229	221	211	199	186	173
285-299		285	279	274	269	263	257	250	243	234	224	211	197	184
300-314		299	293	288	283	277	270	264	256	247	236	223	209	196
315-329		314	308	302	297	291	284	277	269	260	249	235	221	207
330-344		329	322	317	311	305	298	291	282	272	261	247	233	218
345-359		343	337	331	325	318	311	304	295	285	274	259	244	229
360-374		358	351	345	339	332	325	317	308	298	286	271	255	240
375-389		373	366	359	353	346	338	331	321	310	298	283	267	251
390-404		387	380	373	367	359	352	344	334	323	310	295	278	262
405-419		402	394	388	381	373	365	357	347	335	322	306	289	273
420-434		417	409	402	395	387	378	370	360	348	334	318	300	283
435-449		431	423	416	408	400	391	383	372	360	346	329	311	293
450-469		448	440	432	424	416	407	398	387	374	360	342	323	305
470-489		468	459	451	443	434	424	415	403	390	375	357	337	319
490-509		487	478	469	461	452	442	432	420	406	391	372	351	332
510-529		506	497	488	479	469	459	449	436	422	406	386	365	345
530-549		526	516	506	497	487	476	465	452	437	421	400	379	358
550-574		547	537	527	517	507	495	484	470	455	437	416	393	372
575-599		572	560	550	539	528	516	505	490	474	455	433	410	388
600-624		596	583	572	562	550	537	525	510	492	473	450	426	403
625-649		620	607	595	584	571	558	545	529	511	491	466	441	417
650-674		643	630	617	605	592	578	564	548	529	508	483	456	431
675-704		670	655	642	629	615	600	586	568	548	527	500	472	447
705-734		698	683	668	655	640	624	609	590	569	546	518	490	463
735-764		727	710	695	680	664	647	631	612	590	565	536	506	478
765-794		755	737	721	705	688	671	653	633	609	584	554	522	493
795-824		783	764	746	730	712	693	675	653	629	602	570	538	508
825-859		813	793	774	756	737	717	698	675	649	621	588	554	523
860-894		846	823	803	784	764	743	722	698	670	641	606	571	538
895-929		878	854	832	812	790	767	746	720	691	660	623	586	553
930-964		910	884	861	839	816	791	768	741	711	678	640	602	566
965-999		942	914	889	865	841	815	790	761	730	696	656	616	580
1000-1039		976	945	918	893	866	839	813	783	749	714	672	631	593
1040-1079		1011	978	949	922	893	864	837	804	769	732	688	645	606
1080-1119		1047	1010	979	950	919	888	859	825	788	749	704	659	619
1120-1159		1081	1042	1008	977	944	911	880	844	806	765	718	672	630
1160-1199		1116	1073	1036	1003	968	933	901	863	823	780	732	684	641

Yesterday's DC	Rain (mm)													
	41	46	51	56	61	66	71	76	81	86	91	96	101	
	45	50	55	60	65	70	75	80	85	90	95	100	105	≥ 106
	Rain Code													
0-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30-44	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-89	6	0	0	0	0	0	0	0	0	0	0	0	0	0
90-104	19	10	2	0	0	0	0	0	0	0	0	0	0	0
105-119	31	22	14	5	0	0	0	0	0	0	0	0	0	0
120-134	43	34	26	17	8	0	0	0	0	0	0	0	0	0
135-149	55	46	37	28	20	11	3	0	0	0	0	0	0	0
150-164	67	58	49	39	31	22	13	5	0	0	0	0	0	0
165-179	79	70	60	51	41	32	24	15	7	0	0	0	0	0
180-194	91	81	71	62	52	43	34	25	17	8	0	0	0	0
195-209	103	93	82	73	63	53	44	35	26	18	9	1	0	0
210-224	115	104	94	83	73	64	54	45	36	27	18	10	2	0
225-239	126	115	104	94	84	74	64	55	45	36	28	19	10	2
240-254	138	126	115	105	94	84	74	64	55	45	36	28	19	10
255-269	149	137	126	115	104	94	84	74	64	54	45	36	27	19
270-284	160	148	137	125	114	104	93	83	73	63	54	45	36	27
285-299	172	159	147	136	124	113	103	92	82	72	62	53	44	35
300-314	183	170	158	146	134	123	112	101	91	81	71	61	52	43
315-329	193	180	168	156	144	132	121	110	99	89	79	69	60	50
330-344	204	191	178	165	153	141	130	119	108	97	87	77	67	58
345-359	215	201	188	175	163	151	139	127	116	106	95	85	75	65
360-374	226	212	198	185	172	160	148	136	125	114	103	92	82	72
375-389	236	222	208	194	181	168	156	144	133	122	111	100	90	80
390-404	246	232	217	203	190	177	165	153	141	129	118	107	97	86
405-419	257	241	227	213	199	186	173	161	149	137	126	115	104	93
420-434	267	251	236	222	208	194	181	169	156	144	133	122	111	100
435-449	277	261	245	231	216	203	189	176	164	152	140	128	117	107
450-469	288	272	256	241	226	212	198	185	172	160	148	136	125	114
470-489	301	284	268	252	237	223	209	195	182	169	157	145	134	122
490-509	314	296	280	263	248	233	219	205	191	178	166	154	142	130
510-529	326	308	291	274	259	243	229	214	201	187	174	162	150	138
530-549	339	320	302	285	269	253	238	224	209	196	183	170	158	146
550-574	352	333	314	297	280	264	248	234	219	205	192	179	166	154
575-599	367	347	328	310	292	276	260	244	230	215	202	188	175	163
600-624	381	360	341	322	304	287	271	255	240	225	211	197	184	171
625-649	395	373	353	334	315	298	281	265	249	234	220	206	193	180
650-674	408	386	365	345	326	308	291	275	259	243	229	214	201	187
675-704	422	400	378	358	338	319	302	285	268	253	238	223	209	196
705-734	438	414	392	370	350	331	313	295	279	263	247	232	218	204
735-764	452	428	404	383	362	342	323	306	288	272	256	241	226	212
765-794	466	441	417	394	373	353	334	315	298	281	265	249	234	220
795-824	480	453	429	406	384	363	343	324	306	289	273	257	242	227
825-859	493	466	441	417	395	373	353	334	315	298	281	265	249	234
860-894	508	480	453	429	406	384	363	343	324	306	289	273	257	242
895-929	521	492	465	440	416	394	372	352	333	315	297	280	264	249
930-964	534	504	476	450	426	403	381	360	341	322	304	287	271	255
965-999	546	515	487	460	435	412	389	368	348	329	311	294	277	261
1000-1039	558	527	497	470	444	420	398	376	356	336	318	300	283	267
1040-1079	571	538	508	480	454	429	406	384	363	343	324	306	289	273
1180-1119	582	548	517	489	462	437	413	391	370	350	331	312	295	278
1120-1159	593	558	526	497	470	444	420	397	376	356	336	318	300	283
1160-1199	602	567	535	505	477	451	426	403	382	361	341	323	305	288

FWI CALCULATIONS (Drying Tables)

Table 2

DATE	Temperature		RH	Wind	FFMC					
	(°C)		(%)	(km/h)	1	2				
	Dry Bulb		Relative Humidity	Speed	Rain Code	FINE FUEL MOISTURE CODE				
30/31						88				
20.5—25°										
1	24.5		36	21		90				WITHOUT RAIN
2	21		56	8	20	66				WITH RAIN
20.5—25°										

Table 4

DATE	Temperature		RH	DMC						
	(°C)		(%)		3	4				
	Dry Bulb		Relative Humidity		Rain Code	DRYING FACTOR	Duff Moisture Code			
30/31							25			
June										
1	24.5		35			4	29			WITHOUT RAIN
2	21		56		12	2	14			WITH RAIN
June										

Table 6

DATE	Temperature					DC					
	(°C)					5	6				
	Dry Bulb					Rain Code	DRYING FACTOR	Drought Code			
30/31								193			
June											
1	24.5							8	201		
2	21					173	7	180			
June											

FINE FUEL MOISTURE CODE

(Drying Table)

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFM																		
		0	3	8	13	18	23	28	33	38	43	48	53	58	63	68	73	78	80	81
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2	7	12	17	22	27	32	37	42	47	52	57	62	67	72	77	79		
		FFMC																		
0-10	0-3	44	46	49	51	54	57	60	62	65	68	71	73	76	79	82	84	86	87	88
	4-13	50	52	55	57	60	62	64	67	69	71	74	76	79	81	83	86	87	88	89
	14-28	56	58	60	62	64	66	68	70	73	75	77	79	81	83	85	87	89	89	90
	≥ 29	61	63	65	66	68	70	72	74	75	77	79	81	83	85	86	88	89	90	90
11-18	0-3	42	44	47	49	52	55	58	61	63	66	69	72	74	77	80	83	85	86	86
	4-13	48	50	53	55	57	60	62	65	67	70	72	74	77	79	82	84	86	86	87
	14-28	54	56	58	60	62	64	66	68	70	73	75	77	79	81	83	85	87	87	88
	≥ 29	59	60	62	64	66	68	70	71	73	75	77	79	81	82	84	86	87	88	88
19-28	0-3	39	42	44	47	50	53	56	59	61	64	67	70	73	76	79	81	83	84	85
	4-13	46	48	50	53	55	58	60	63	65	68	70	73	75	78	80	83	84	85	85
	14-28	52	53	55	58	60	62	64	66	68	71	73	75	77	79	81	83	85	86	86
	≥ 29	56	58	60	62	64	65	67	69	71	73	75	77	79	81	82	84	86	86	87
29-38	0-3	36	39	42	45	48	51	54	57	59	62	65	68	71	74	77	80	82	83	84
	4-13	43	45	48	50	53	55	58	61	63	66	68	71	73	76	79	81	83	84	84
	14-28	49	51	53	55	57	60	62	64	66	69	71	73	75	77	80	82	84	84	85
	≥ 29	54	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	84	85	85
39-49	0-3	33	36	39	42	45	48	51	54	57	60	64	67	70	73	76	79	81	82	83
	4-13	40	42	45	48	50	53	56	58	61	64	66	69	72	74	77	80	82	83	83
	14-28	46	48	50	52	55	57	59	62	64	66	69	71	73	76	78	81	82	83	83
	≥ 29	51	53	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	83	84
50-61	0-3	29	32	35	38	42	45	48	52	55	58	61	65	68	71	75	78	80	81	82
	4-13	36	38	41	44	47	50	53	56	58	61	64	67	70	73	76	79	81	81	82
	14-28	42	44	47	49	52	54	57	59	62	64	67	69	72	74	77	79	81	82	82
	≥ 29	47	49	51	53	56	58	60	62	64	67	69	71	73	75	77	80	81	82	82
62-73	0-3	24	27	31	34	38	41	45	48	52	55	59	63	66	70	73	77	79	80	81
	4-13	31	34	37	40	43	46	49	52	55	59	62	65	68	71	74	77	79	80	81
	14-28	37	40	42	45	48	50	53	56	59	61	64	67	70	72	75	78	80	80	81
	≥ 29	43	45	47	49	52	54	57	59	61	64	66	69	71	73	76	78	80	80	81
74-84	0-3	18	21	25	29	33	37	41	45	48	52	56	60	64	68	72	76	79	80	80
	4-13	25	28	31	35	38	41	45	48	52	55	59	62	66	69	73	76	79	80	80
	14-28	31	33	36	39	42	45	49	52	55	58	61	64	67	70	73	76	79	80	80
	≥ 29	36	38	41	44	46	49	52	55	57	60	63	65	68	71	74	76	79	80	80
85-93	0-3	11	15	19	23	28	32	36	41	45	49	53	58	62	66	71	75	77	78	79
	4-13	16	20	24	27	31	35	39	43	47	51	55	59	63	67	71	75	77	78	79
	14-28	21	24	28	31	35	38	42	46	49	53	57	60	64	68	71	75	77	78	79
	≥ 29	25	28	31	35	38	41	45	48	51	55	58	61	65	68	71	75	77	78	79
94-100	0-3	4	8	13	17	22	27	32	37	41	46	51	56	60	65	70	73	75	75	76
	4-13	6	10	14	19	24	28	33	38	42	47	51	56	61	65	70	73	75	75	76
	14-28	8	11	16	20	25	29	34	38	43	47	52	56	61	65	70	73	75	75	76
	≥ 29	10	13	17	22	26	31	35	39	44	48	52	57	61	65	70	73	75	75	76

Temperature ≤ 5 °C

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFMC																	
		82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
		FFMC																	
0-10	0-3	88	89	89	90	90	91	91	92	93	93	94	94	95	95	96	97	97	98
	4-13	89	90	90	91	91	92	92	92	93	93	94	94	95	95	96	97	97	98
	14-28	90	90	91	91	92	92	92	93	93	94	94	95	95	95	96	97	97	98
	≥ 29	91	91	91	92	92	93	93	93	94	94	94	95	95	95	96	97	97	98
11-18	0-3	87	87	88	88	89	89	90	91	91	92	92	93	94	94	95	95	96	96
	4-13	87	88	88	89	89	90	90	91	91	92	92	93	94	94	95	95	96	96
	14-28	88	89	89	89	90	90	91	91	91	92	92	93	94	94	95	95	96	96
	≥ 29	89	89	89	90	90	91	91	91	92	92	92	93	94	94	95	95	96	96
19-28	0-3	85	86	87	87	88	88	89	89	90	91	92	92	93	93	94	94	95	95
	4-13	86	86	87	87	88	88	89	89	90	91	92	92	93	93	94	94	95	95
	14-28	86	87	87	88	88	89	89	90	90	91	92	92	93	93	94	94	95	95
	≥ 29	87	87	88	88	88	89	89	90	90	91	92	92	93	93	94	94	95	95
29-38	0-3	84	85	85	86	87	87	88	89	90	90	91	91	92	92	93	93	94	94
	4-13	85	85	86	86	87	87	88	89	90	90	91	91	92	92	93	93	94	94
	14-28	85	86	86	86	87	87	88	89	90	90	91	91	92	92	93	93	94	94
	≥ 29	85	86	86	87	87	87	88	89	90	90	91	91	92	92	93	93	94	94
39-49	0-3	83	84	85	85	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	4-13	84	84	85	85	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	14-28	84	84	85	85	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	≥ 29	84	84	85	85	86	87	88	88	89	89	90	90	91	91	92	92	93	93
50-61	0-3	82	83	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	92
	4-13	83	83	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	92
	14-28	83	83	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	92
	≥ 29	83	83	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	92
62-73	0-3	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91
	4-13	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91
	14-28	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91
	≥ 29	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91
74-84	0-3	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89
	4-13	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89
	14-28	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89
	≥ 29	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89
85-93	0-3	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88
	4-13	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88
	14-28	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88
	≥ 29	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88
94-100	0-3	76	77	77	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85
	4-13	76	77	77	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85
	14-28	76	77	77	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85
	≥ 29	76	77	77	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85

Temperature ≤ 5 °C

FINE FUEL MOISTURE CODE

(Drying Table)

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFM																		
		0	3	8	13	18	23	28	33	38	43	48	53	58	63	68	73	78	80	81
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2	7	12	17	22	27	32	37	42	47	52	57	62	67	72	77	79		
		FFMC																		
0-10	0-3	50	51	54	56	59	61	64	66	69	71	74	76	78	81	83	86	87	88	89
	4-13	57	58	60	62	65	67	69	71	73	75	77	79	81	83	85	87	89	89	90
	14-28	63	64	66	68	69	71	73	75	76	78	80	82	83	85	87	89	90	90	91
	≥ 29	68	69	70	72	73	75	76	78	79	81	82	84	85	87	88	90	91	91	92
11-18	0-3	47	49	52	54	57	59	62	64	67	69	72	74	77	79	82	84	86	87	87
	4-13	54	56	58	60	62	64	67	69	71	73	75	77	79	81	83	86	87	88	88
	14-28	60	62	63	65	67	69	71	72	74	76	78	80	81	83	85	87	88	89	89
	≥ 29	65	66	68	69	71	73	74	76	77	79	80	82	83	85	86	88	89	89	90
19-28	0-3	45	47	49	52	54	57	60	62	65	67	70	72	75	78	80	83	84	85	86
	4-13	52	54	56	58	60	62	64	67	69	71	73	75	77	80	82	84	85	86	87
	14-28	58	59	61	63	65	67	68	70	72	74	76	78	79	81	83	85	86	87	87
	≥ 29	63	64	65	67	69	70	72	73	75	76	78	80	81	83	84	86	87	87	88
29-38	0-3	42	44	47	49	52	55	57	60	63	65	68	71	73	76	79	81	83	84	84
	4-13	49	51	53	55	57	60	62	64	66	69	71	73	76	78	80	82	84	85	85
	14-28	55	56	58	60	62	64	66	68	70	72	74	76	77	79	81	83	85	85	86
	≥ 29	60	61	63	64	66	68	69	71	73	74	76	78	79	81	82	84	85	86	86
39-49	0-3	38	40	43	46	49	52	54	57	60	63	66	69	71	74	77	80	82	83	83
	4-13	45	47	50	52	55	57	59	62	64	67	69	71	74	76	78	81	83	83	84
	14-28	52	53	55	57	59	61	63	65	67	69	72	74	76	78	80	82	83	84	84
	≥ 29	57	58	60	62	63	65	67	69	70	72	74	75	77	79	81	82	84	84	84
50-61	0-3	34	36	39	42	45	48	51	54	57	60	63	66	69	72	76	79	81	82	82
	4-13	41	43	46	48	51	54	56	59	61	64	67	69	72	74	77	79	81	82	82
	14-28	48	49	52	54	56	58	60	63	65	67	69	71	74	76	78	80	82	82	83
	≥ 29	53	55	56	58	60	62	64	66	68	70	71	73	75	77	79	81	82	83	83
62-73	0-3	28	31	34	37	41	44	47	51	54	57	61	64	67	71	74	77	80	81	81
	4-13	36	38	41	44	47	50	52	55	58	61	64	67	69	72	75	78	80	81	81
	14-28	43	44	47	49	52	54	57	59	61	64	66	69	71	74	76	78	80	81	81
	≥ 29	48	50	52	54	56	58	60	62	64	66	69	71	73	75	77	79	80	81	81
74-84	0-3	21	24	28	32	35	39	43	46	50	54	58	61	65	69	72	76	79	80	81
	4-13	29	31	35	38	41	44	47	51	54	57	60	64	67	70	73	76	79	80	81
	14-28	35	38	40	43	46	49	52	54	57	60	63	66	68	71	74	77	79	80	81
	≥ 29	41	43	45	48	50	53	55	58	60	62	65	67	70	72	75	77	79	80	81
85-93	0-3	13	17	21	25	29	33	37	42	46	50	54	58	62	67	71	75	78	79	79
	4-13	19	22	26	30	34	37	41	45	49	52	56	60	64	67	71	75	78	79	79
	14-28	24	27	31	34	37	41	44	48	51	55	58	61	65	68	72	75	78	79	79
	≥ 29	29	32	35	38	41	44	47	50	53	56	60	63	66	69	72	75	78	79	79
94-100	0-3	5	9	13	18	23	27	32	37	42	46	51	56	61	65	70	73	75	76	76
	4-13	7	11	15	20	24	29	33	38	43	47	52	56	61	65	70	73	75	76	76
	14-28	9	13	17	22	26	30	35	39	44	48	52	57	61	66	70	73	75	76	76
	≥ 29	11	15	19	23	27	32	36	40	44	49	53	57	61	66	70	73	75	76	76

Temperature 5.5-10 °C

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFMC																	
		82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
		FFMC																	
0-10	0-3	89	90	90	91	91	92	92	93	93	94	94	95	95	96	96	97	97	98
	4-13	90	91	91	92	92	92	93	93	94	94	94	95	95	96	96	97	97	98
	14-28	91	92	92	92	93	93	93	94	94	94	95	95	95	96	96	97	97	98
	≥ 29	92	92	93	93	93	93	94	94	94	95	95	95	95	96	96	97	97	98
11-18	0-3	88	88	89	89	90	90	91	91	92	92	93	93	94	95	95	96	96	97
	4-13	89	89	89	90	90	91	91	91	92	92	93	93	94	95	95	96	96	97
	14-28	89	90	90	90	91	91	91	92	92	92	93	93	94	95	95	96	96	97
	≥ 29	90	90	90	91	91	91	92	92	92	93	93	93	94	95	95	96	96	97
19-28	0-3	86	87	87	88	88	89	89	90	90	91	92	93	93	94	94	95	95	96
	4-13	87	87	88	88	89	89	90	90	90	91	92	93	93	94	94	95	95	96
	14-28	88	88	88	89	89	89	90	90	90	91	92	93	93	94	94	95	95	96
	≥ 29	88	88	89	89	89	90	90	90	90	91	92	93	93	94	94	95	95	96
29-38	0-3	85	86	86	87	87	88	88	89	90	90	91	91	92	92	93	93	94	94
	4-13	86	86	86	87	87	88	88	89	90	90	91	91	92	92	93	93	94	94
	14-28	86	86	87	87	87	88	88	89	90	90	91	91	92	92	93	93	94	94
	≥ 29	86	87	87	87	88	88	88	89	90	90	91	91	92	92	93	93	94	94
39-49	0-3	84	84	85	86	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	4-13	84	85	85	86	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	14-28	85	85	85	86	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	≥ 2985	85	85	86	86	87	88	88	89	89	90	90	91	91	92	92	93	93	93
50-61	0-3	83	83	84	85	86	86	87	87	88	88	89	89	90	90	91	91	92	92
	4-13	83	84	84	85	86	86	87	87	88	88	89	89	90	90	91	91	92	92
	14-28	83	84	84	85	86	86	87	87	88	88	89	89	90	90	91	91	92	92
	≥ 29	83	84	84	85	86	86	87	87	88	88	89	89	90	90	91	91	92	92
62-73	0-3	82	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91
	4-13	82	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91
	14-28	82	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91
	≥ 29	82	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91
74-84	0-3	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90
	4-13	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90
	14-28	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90
	≥ 29	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90
85-93	0-3	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88
	4-13	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88
	14-28	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88
	≥ 29	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88
94-100	0-3	77	77	78	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85
	4-13	77	77	78	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85
	14-28	77	77	78	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85
	≥ 29	77	77	78	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85

Temperature 5.5-10 °C

FINE FUEL MOISTURE CODE

(Drying Table)

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFMC																		
		0	3	8	13	18	23	28	33	38	43	48	53	58	63	68	73	78		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		2	7	12	17	22	27	32	37	42	47	52	57	62	67	72	77	79	80	81
		FFMC																		
0-10	0-3	56	58	60	62	64	66	68	70	73	75	77	79	81	83	85	87	89	90	90
	4-13	63	65	66	68	70	72	73	75	77	79	80	82	84	86	87	89	90	91	91
	14-28	69	70	72	73	75	76	78	79	80	82	83	85	86	88	89	90	91	92	92
	≥ 29	74	75	76	77	79	80	81	82	83	84	86	87	88	89	90	92	92	93	93
11-18	0-3	54	55	58	60	62	64	66	68	71	73	75	77	79	81	84	86	87	88	88
	4-13	61	62	64	66	68	70	71	73	75	77	78	80	82	84	85	87	88	89	89
	14-28	67	68	70	71	72	74	75	77	78	80	81	83	84	86	87	88	89	90	90
	≥ 29	72	73	74	75	76	77	79	80	81	82	83	85	86	87	88	89	90	91	91
19-28	0-3	51	53	55	57	59	62	64	66	68	71	73	75	77	80	82	84	86	86	87
	4-13	58	60	62	63	65	67	69	71	73	74	76	78	80	82	84	85	87	87	88
	14-28	64	65	67	68	70	71	73	74	76	78	79	81	82	84	85	87	88	88	88
	≥ 29	69	70	71	73	74	75	76	78	79	80	81	82	84	85	86	87	88	89	89
29-38	0-3	48	50	52	54	57	59	61	64	66	68	71	73	75	78	80	83	84	85	85
	4-13	55	57	59	61	63	64	66	68	70	72	74	76	78	80	82	84	85	86	86
	14-28	61	63	64	66	67	69	70	72	74	75	77	78	80	82	83	85	86	86	87
	≥ 29	66	67	69	70	71	73	74	75	76	78	79	80	82	83	84	86	86	87	87
39-49	0-3	44	46	48	51	53	56	58	61	63	66	68	71	73	76	79	81	83	84	84
	4-13	52	53	55	57	59	61	64	66	68	70	72	74	76	78	80	82	84	84	85
	14-28	58	59	61	63	64	66	68	69	71	73	75	76	78	80	81	83	84	85	85
	≥ 29	63	64	66	67	68	70	71	73	74	75	77	78	80	81	82	84	85	85	85
50-61	0-3	39	41	44	47	49	52	55	57	60	63	66	68	71	74	77	79	81	82	83
	4-13	47	49	51	53	56	58	60	62	65	67	69	71	74	76	78	80	82	83	83
	14-28	54	55	57	59	61	63	65	66	68	70	72	74	76	78	79	81	83	83	83
	≥ 29	59	61	62	64	65	67	68	70	71	73	74	76	77	79	80	82	83	83	84
62-73	0-3	33	35	38	41	44	47	50	53	56	60	63	66	69	72	75	78	80	81	82
	4-13	41	43	46	48	51	53	56	58	61	64	66	69	71	74	76	79	81	81	82
	14-28	48	50	52	54	56	58	61	63	65	67	69	71	73	75	77	79	81	82	82
	≥ 29	54	56	57	59	61	63	64	66	68	70	71	73	75	76	78	80	81	82	82
74-84	0-3	25	28	31	35	38	42	45	49	52	56	59	63	66	69	73	76	79	80	81
	4-13	33	36	39	42	45	48	50	53	56	59	62	65	68	71	74	77	79	80	81
	14-28	41	43	45	48	50	52	55	57	60	62	65	67	70	72	75	77	79	80	81
	≥ 29	47	48	50	52	55	57	59	61	63	65	67	69	71	74	76	78	79	80	81
85-93	0-3	16	19	23	27	31	35	39	43	47	51	55	59	63	67	71	75	78	79	80
	4-13	22	25	29	32	36	40	43	47	50	54	57	61	65	68	72	75	78	79	80
	14-28	28	31	34	37	41	44	47	50	53	56	60	63	66	69	72	75	78	79	80
	≥ 29	34	36	39	42	45	47	50	53	56	59	61	64	67	70	73	75	78	79	80
94-100	0-3	6	9	14	19	23	28	33	37	42	47	51	56	61	65	70	74	76	76	77
	4-13	8	12	16	21	25	30	34	39	43	48	52	57	61	66	70	74	76	76	77
	14-28	11	14	19	23	27	31	36	40	44	49	53	57	61	66	70	74	76	76	77
	≥ 29	13	17	21	25	29	33	37	41	45	49	54	58	62	66	70	74	76	76	77

Temperature 10.5-15 °C

FFMC

TABLE 2

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFMC																	
		82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
		FFMC																	
0-10	0-3	90	91	91	92	92	93	93	93	94	94	95	95	96	96	96	97	98	98
	4-13	92	92	92	93	93	93	94	94	94	95	95	95	96	96	96	97	98	98
	14-28	92	93	93	93	94	94	94	94	95	95	95	96	96	96	96	97	98	98
	≥ 29	93	93	94	94	94	94	95	95	95	95	96	96	96	96	96	97	98	98
11-18	0-3	89	89	90	90	91	91	91	92	92	93	93	94	94	95	96	96	97	97
	4-13	90	90	90	91	91	92	92	92	93	93	93	94	94	95	96	96	97	97
	14-28	90	91	91	91	92	92	92	93	93	93	93	94	94	95	96	96	97	97
	≥ 29	91	91	92	92	92	92	93	93	93	93	94	94	94	95	96	96	97	97
19-28	0-3	87	88	88	89	89	90	90	90	91	91	92	93	93	94	94	95	95	96
	4-13	88	88	89	89	90	90	90	91	91	91	92	93	93	94	94	95	95	96
	14-28	89	89	89	90	90	90	91	91	91	92	93	93	94	94	95	95	96	96
	≥ 29	89	89	90	90	90	90	91	91	91	92	93	93	94	94	95	95	96	96
29-38	0-3	86	86	87	87	88	88	89	89	90	91	91	92	92	93	93	94	94	95
	4-13	86	87	87	88	88	88	89	89	90	91	91	92	92	93	93	94	94	95
	14-28	87	87	88	88	88	89	89	89	90	91	91	92	92	93	93	94	94	95
	≥ 29	87	88	88	88	88	89	89	89	90	91	91	92	92	93	93	94	94	95
39-49	0-3	85	85	86	86	87	87	88	89	89	90	90	91	91	92	92	93	93	94
	4-13	85	85	86	86	87	87	88	89	89	90	90	91	91	92	92	93	93	94
	14-28	85	86	86	86	87	87	88	89	89	90	90	91	91	92	92	93	93	94
	≥ 29	86	86	86	87	87	87	88	89	89	90	90	91	91	92	92	93	93	94
50-61	0-3	83	84	84	85	86	87	87	88	88	89	89	90	90	91	91	92	92	93
	4-13	84	84	85	85	86	87	87	88	88	89	89	90	90	91	91	92	92	93
	14-28	84	84	85	85	86	87	87	88	88	89	89	90	90	91	91	92	92	93
	≥ 29	84	84	85	85	86	87	87	88	88	89	89	90	90	91	91	92	92	93
62-73	0-3	82	83	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	92
	4-13	82	83	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	92
	14-28	82	83	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	92
	≥ 29	82	83	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	92
74-84	0-3	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90
	4-13	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90
	14-28	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90
	≥ 29	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90
85-93	0-3	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89
	4-13	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89
	14-28	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89
	≥ 29	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89
94-100	0-3	77	78	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86
	4-13	77	78	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86
	14-28	77	78	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86
	≥ 29	77	78	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86

Temperature 10.5-15 °C

FINE FUEL MOISTURE CODE

(Drying Table)

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFMC																		
		0	3	8	13	18	23	28	33	38	43	48	53	58	63	68	73	78	80	81
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2	7	12	17	22	27	32	37	42	47	52	57	62	67	72	77	79		
		FFMC																		
0-10	0-3	63	64	66	68	70	71	73	75	77	78	80	82	84	86	87	89	90	91	91
	4-13	70	71	73	74	75	77	78	80	81	82	84	85	87	88	89	91	92	92	93
	14-28	76	77	78	79	80	81	82	83	84	86	87	88	89	90	91	92	93	93	94
	≥ 29	80	81	82	83	84	84	85	86	87	88	89	90	91	91	92	93	94	94	94
11-18	0-3	60	62	64	66	67	69	71	73	75	77	78	80	82	84	86	87	89	89	90
	4-13	68	69	70	72	73	75	76	78	79	80	82	83	85	86	88	89	90	90	91
	14-28	73	74	75	77	78	79	80	81	82	83	85	86	87	88	89	90	91	91	92
	≥ 29	78	79	79	80	81	82	83	84	85	86	87	88	88	89	90	91	92	92	92
19-28	0-3	58	59	61	63	65	67	69	70	72	74	76	78	80	82	84	86	87	88	88
	4-13	65	66	68	69	71	72	74	75	77	78	80	81	83	84	86	87	88	89	89
	14-28	71	72	73	74	75	76	78	79	80	81	82	84	85	86	87	88	89	89	90
	≥ 29	75	76	77	78	79	80	81	82	83	84	84	85	86	87	88	89	90	90	90
29-38	0-3	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	85	86	86
	4-13	62	63	65	66	68	69	71	73	74	76	77	79	81	82	84	85	86	87	87
	14-28	68	69	70	71	72	74	75	76	78	79	80	81	83	84	85	86	87	88	88
	≥ 29	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	88	88
39-49	0-3	50	52	54	56	58	60	63	65	67	69	71	74	76	78	80	82	84	85	85
	4-13	58	59	61	63	65	66	68	70	71	73	75	77	78	80	82	84	85	85	86
	14-28	64	65	67	68	69	71	72	74	75	76	78	79	80	82	83	84	85	86	86
	≥ 29	69	70	71	72	73	74	76	77	78	79	80	81	82	83	84	85	86	86	87
50-61	0-3	44	46	49	51	54	56	59	61	63	66	68	71	73	76	78	81	82	83	83
	4-13	53	55	57	59	61	62	64	66	68	70	72	74	76	78	80	82	83	84	84
	14-28	60	61	63	64	66	67	69	70	72	73	75	76	78	80	81	83	84	84	84
	≥ 29	65	66	68	69	70	71	72	74	75	76	77	78	80	81	82	83	84	84	85
62-73	0-3	38	40	43	45	48	51	54	57	59	62	65	68	70	73	76	79	81	82	82
	4-13	47	49	51	53	55	58	60	62	64	66	69	71	73	75	78	80	81	82	82
	14-28	54	56	58	59	61	63	65	66	68	70	72	73	75	77	79	81	82	82	83
	≥ 29	60	61	63	64	66	67	68	70	71	73	74	75	77	78	80	81	82	83	83
74-84	0-3	29	32	35	38	41	45	48	51	54	58	61	64	67	71	74	77	79	80	81
	4-13	38	41	43	46	49	51	54	57	59	62	64	67	70	72	75	78	80	80	81
	14-28	46	48	50	52	54	57	59	61	63	65	67	70	72	74	76	78	80	80	81
	≥ 29	52	54	56	57	59	61	63	64	66	68	70	72	73	75	77	79	80	80	81
85-93	0-3	18	21	25	29	33	37	41	45	48	52	56	60	64	68	72	75	79	79	80
	4-13	26	29	32	36	39	42	46	49	52	56	59	62	66	69	72	76	79	79	80
	14-28	33	35	38	41	44	47	50	53	56	58	61	64	67	70	73	76	79	79	80
	≥ 29	39	41	43	46	48	51	53	56	58	61	63	66	68	71	73	76	79	79	80
94-100	0-3	6	10	15	19	24	29	33	38	42	47	52	56	61	65	70	74	76	77	77
	4-13	10	13	18	22	26	31	35	40	44	48	53	57	61	66	70	74	76	77	77
	14-28	13	16	20	24	29	33	37	41	45	49	54	58	62	66	70	74	76	77	77
	≥ 29	16	19	23	27	31	35	39	43	47	50	54	58	62	66	70	74	76	77	77

Temperature 15.5-20 °C

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFMC																	
		82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
		FFMC																	
0-10	0-3	92	92	92	93	93	94	94	94	95	95	95	96	96	96	97	97	98	98
	4-13	93	93	93	94	94	94	95	95	95	95	96	96	96	97	97	97	98	98
	14-28	94	94	94	94	95	95	95	95	96	96	96	96	96	97	97	97	98	98
	≥ 29	94	95	95	95	95	95	96	96	96	96	96	96	97	97	97	97	98	98
11-18	0-3	90	90	91	91	92	92	92	93	93	93	94	94	94	95	96	96	97	97
	4-13	91	91	92	92	92	92	93	93	93	94	94	94	95	95	96	96	97	97
	14-28	92	92	92	93	93	93	93	93	94	94	94	94	95	95	96	96	97	97
	≥ 29	92	93	93	93	93	93	94	94	94	94	94	94	95	95	96	96	97	97
19-28	0-3	88	89	89	90	90	90	91	91	91	92	92	93	94	94	95	95	96	96
	4-13	89	90	90	90	90	91	91	91	92	92	92	93	94	94	95	95	96	96
	14-28	90	90	90	91	91	91	91	92	92	92	93	93	94	94	95	95	96	96
	≥ 29	90	91	91	91	91	91	92	92	92	92	93	93	94	94	95	95	96	96
29-38	0-3	87	87	88	88	88	89	89	90	90	91	92	92	93	93	94	94	95	95
	4-13	88	88	88	89	89	89	89	90	90	91	92	92	93	93	94	94	95	95
	14-28	88	88	89	89	89	89	90	90	90	91	92	92	93	93	94	94	95	95
	≥ 29	89	89	89	89	89	90	90	90	90	91	92	92	93	93	94	94	95	95
39-49	0-3	85	86	86	87	87	88	88	89	90	90	91	91	92	92	93	93	94	94
	4-13	86	86	87	87	87	88	88	89	90	90	91	91	92	92	93	93	94	94
	14-28	86	87	87	87	87	88	88	89	90	90	91	91	92	92	93	93	94	94
	≥ 29	87	87	87	87	88	88	88	89	90	90	91	91	92	92	93	93	94	94
50-61	0-3	84	84	85	85	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	4-13	84	85	85	86	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	14-28	85	85	85	86	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	≥ 29	85	85	85	86	86	87	88	88	89	89	90	90	91	91	92	92	93	93
62-73	0-3	83	83	84	85	86	86	87	87	88	88	89	89	90	90	91	91	92	92
	4-13	83	83	84	85	86	86	87	87	88	88	89	89	90	90	91	91	92	92
	14-28	83	83	84	85	86	86	87	87	88	88	89	89	90	90	91	91	92	92
	≥ 29	83	83	84	85	86	86	87	87	88	88	89	89	90	90	91	91	92	92
74-84	0-3	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91
	4-13	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91
	14-28	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91
	≥ 29	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91
85-93	0-3	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89
	4-13	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89
	14-28	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89
	≥ 29	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89
94-100	0-3	78	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86
	4-13	78	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86
	14-28	78	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86
	≥ 29	78	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86

Temperature 15.5-20 °C

FINE FUEL MOISTURE CODE

(Drying Table)

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFMC																		
		0	3	8	13	18	23	28	33	38	43	48	53	58	63	68	73	78	80	81
		2	7	12	17	22	27	32	37	42	47	52	57	62	67	72	77	79		
		FFMC																		
0-10	0-3	69	71	72	74	75	76	78	79	81	82	84	85	87	88	90	91	92	92	93
	4-13	77	77	78	80	81	82	83	84	85	86	87	88	89	90	92	93	93	94	94
	14-28	82	82	83	84	85	86	86	87	88	89	90	91	91	92	93	94	94	95	95
	≥ 29	86	86	87	87	88	89	89	90	90	91	92	92	93	94	94	95	95	95	96
11-18	0-3	67	68	70	71	73	74	76	77	79	80	82	83	85	86	88	89	90	91	91
	4-13	74	75	76	77	78	80	81	82	83	84	85	86	87	89	90	91	92	92	92
	14-28	79	80	81	82	83	84	84	85	86	87	88	89	89	90	91	92	93	93	93
	≥ 29	83	84	85	85	86	86	87	88	88	89	90	90	91	92	92	93	93	93	94
19-28	0-3	64	65	67	69	70	72	73	75	76	78	80	81	83	84	86	87	89	89	89
	4-13	71	72	74	75	76	77	78	79	81	82	83	84	85	87	88	89	90	90	90
	14-28	77	78	78	79	80	81	82	83	84	85	86	86	87	88	89	90	91	91	91
	≥ 29	81	81	82	83	83	84	85	85	86	87	87	88	89	89	90	91	91	91	92
29-38	0-3	61	62	64	65	67	69	70	72	74	75	77	79	81	82	84	86	87	87	88
	4-13	68	69	70	72	73	74	76	77	78	79	81	82	83	84	86	87	88	88	88
	14-28	74	75	76	76	77	78	79	80	81	82	83	84	85	86	87	88	89	89	89
	≥ 29	78	79	79	80	81	82	82	83	84	84	85	86	87	87	88	89	89	89	90
39-49	0-3	56	58	60	61	63	65	67	69	71	73	74	76	78	80	82	84	85	86	86
	4-13	64	65	67	68	70	71	72	74	75	77	78	79	81	82	84	85	86	86	87
	14-28	70	71	72	73	74	75	77	78	79	80	81	82	83	84	85	86	87	87	87
	≥ 29	75	76	76	77	78	79	80	80	81	82	83	84	84	85	86	87	87	88	88
50-61	0-3	51	52	54	56	59	61	63	65	67	69	71	73	75	78	80	82	83	84	84
	4-13	60	61	62	64	66	67	69	70	72	73	75	77	78	80	81	83	84	85	85
	14-28	66	67	68	70	71	72	73	74	76	77	78	79	80	82	83	84	85	85	85
	≥ 29	71	72	73	74	75	76	76	77	78	79	80	81	82	83	84	85	85	86	86
62-73	0-3	43	45	48	50	53	55	58	60	62	65	67	70	72	75	77	80	81	82	83
	4-13	53	55	56	58	60	62	64	66	68	70	71	73	75	77	79	81	82	83	83
	14-28	61	62	63	65	66	67	69	70	72	73	75	76	77	79	80	82	83	83	83
	≥ 29	66	67	68	69	70	71	73	74	75	76	77	78	79	80	81	82	83	83	84
74-84	0-3	34	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	80	81	81
	4-13	44	46	48	51	53	55	58	60	62	65	67	69	72	74	76	79	80	81	81
	14-28	52	54	55	57	59	61	63	65	66	68	70	72	74	76	77	79	80	81	81
	≥ 29	58	60	61	62	64	65	67	68	70	71	73	74	75	77	78	80	81	81	81
85-93	0-3	22	25	28	32	36	39	43	46	50	54	57	61	65	68	72	76	79	80	80
	4-13	31	33	36	39	42	45	48	51	55	58	61	64	67	70	73	76	79	80	80
	14-28	38	40	43	45	48	50	53	56	58	61	63	66	69	71	74	76	79	80	80
	≥ 29	44	46	48	50	53	55	57	59	61	63	66	68	70	72	74	77	79	80	80
94-100	0-3	8	11	16	20	25	29	34	38	43	48	52	57	61	66	70	75	77	77	78
	4-13	11	15	19	23	28	32	36	40	45	49	53	58	62	66	70	75	77	77	78
	14-28	15	18	22	26	30	34	38	42	46	50	54	58	62	66	70	75	77	77	78
	≥ 29	18	21	25	29	33	37	40	44	48	52	55	59	63	67	71	75	77	77	78

Temperature 20.5-25 °C

FFMC

TABLE 2

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFMC																		
		82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
		FFMC																		
0-10	0-3	93	93	94	94	94	95	95	95	95	96	96	96	96	97	97	97	97	98	99
	4-13	94	94	95	95	95	95	96	96	96	96	96	97	97	97	97	97	97	98	99
	14-28	95	95	95	96	96	96	96	96	96	97	97	97	97	97	97	97	98	98	99
	≥ 29	96	96	96	96	96	96	96	97	97	97	97	97	97	97	97	97	98	98	99
11-18	0-3	91	92	92	92	93	93	93	94	94	94	94	95	95	95	96	97	97	98	98
	4-13	92	93	93	93	93	94	94	94	94	94	95	95	95	96	97	97	97	98	98
	14-28	93	93	94	94	94	94	94	94	95	95	95	95	95	96	97	97	97	98	98
	≥ 29	94	94	94	94	94	94	94	95	95	95	95	95	95	96	97	97	97	98	98
19-28	0-3	90	90	90	91	91	91	92	92	92	93	93	93	94	95	95	96	96	97	97
	4-13	91	91	91	91	92	92	92	92	92	93	93	93	94	95	95	96	96	97	97
	14-28	91	91	92	92	92	92	92	92	93	93	93	93	94	95	95	96	96	97	97
	≥ 29	92	92	92	92	92	92	93	93	93	93	93	93	94	95	95	96	96	97	97
29-38	0-3	88	88	89	89	89	90	90	90	91	91	92	93	93	94	94	95	95	96	96
	4-13	89	89	89	90	90	90	90	91	91	92	93	93	93	94	94	95	95	96	96
	14-28	89	90	90	90	90	90	91	91	91	92	93	93	93	94	94	95	95	96	96
	≥ 29	90	90	90	90	90	90	91	91	91	92	93	93	93	94	94	95	95	96	96
39-49	0-3	86	87	87	87	88	88	89	89	90	91	91	92	92	93	93	94	94	95	95
	4-13	87	87	88	88	88	88	89	89	90	91	91	92	92	93	93	94	94	95	95
	14-28	87	88	88	88	88	89	89	89	90	91	91	92	92	93	93	94	94	95	95
	≥ 29	88	88	88	88	88	89	89	89	90	91	91	92	92	93	93	94	94	95	95
50-61	0-3	85	85	86	86	86	87	88	89	89	90	90	91	91	92	92	93	93	94	94
	4-13	85	86	86	86	87	87	88	89	89	90	90	91	91	92	92	93	93	94	94
	14-28	86	86	86	86	87	87	88	89	89	90	90	91	91	92	92	93	93	94	94
	≥ 29	86	86	86	86	87	87	88	89	89	90	90	91	91	92	92	93	93	94	94
62-73	0-3	83	84	84	85	86	87	87	88	88	89	89	90	90	91	91	92	92	93	93
	4-13	84	84	84	85	86	87	87	88	88	89	89	90	90	91	91	92	92	93	93
	14-28	84	84	84	85	86	87	87	88	88	89	89	90	90	91	91	92	92	93	93
	≥ 29	84	84	84	85	86	87	87	88	88	89	89	90	90	91	91	92	92	93	93
74-84	0-3	82	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	91
	4-13	82	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	91
	14-28	82	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	91
	≥ 29	82	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	91
85-93	0-3	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	89
	4-13	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	89
	14-28	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	89
	≥ 29	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	89
94-100	0-3	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87
	4-13	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87
	14-28	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87
	≥ 29	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87

Temperature 20.5-25 °C

FINE FUEL MOISTURE CODE

(Drying Table)

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFMC																		
		0	3	8	13	18	23	28	33	38	43	48	53	58	63	68	73	78		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		2	7	12	17	22	27	32	37	42	47	52	57	62	67	72	77	79	80	81
		FFMC																		
0-10	0-3	76	77	78	79	80	81	83	84	85	86	87	88	89	91	92	93	94	94	94
	4-13	82	83	84	85	86	86	87	88	89	90	90	91	92	93	94	94	95	95	95
	14-28	87	87	88	89	89	90	90	91	91	92	93	93	94	94	95	95	96	96	96
	≥ 29	90	91	91	91	92	92	93	93	93	93	94	94	95	95	95	96	96	97	97
11-18	0-3	74	75	76	77	78	79	81	82	83	84	85	86	88	89	90	91	92	92	93
	4-13	80	81	82	83	83	84	85	86	87	88	88	89	90	91	92	93	93	93	94
	14-28	85	85	86	87	87	88	88	89	90	90	91	91	92	92	93	94	94	94	94
	≥ 29	88	88	89	89	90	90	91	91	91	92	92	93	93	93	94	94	95	95	95
19-28	0-3	71	72	73	74	76	77	78	79	81	82	83	84	86	87	88	89	90	91	91
	4-13	78	78	79	80	81	82	83	84	85	85	86	87	88	89	90	91	91	92	92
	14-28	82	83	83	84	85	85	86	87	87	88	89	89	90	90	91	92	92	92	92
	≥ 29	86	86	87	87	87	88	88	89	89	89	90	90	91	91	91	92	92	93	93
29-38	0-3	67	68	70	71	72	74	75	76	78	79	81	82	83	85	86	87	88	89	89
	4-13	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	89	90	90
	14-28	79	80	81	81	82	83	83	84	85	85	86	87	88	88	89	90	90	90	90
	≥ 29	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	91
39-49	0-3	63	64	65	67	69	70	72	73	75	76	78	79	81	82	84	85	86	87	87
	4-13	71	71	73	74	75	76	77	78	79	80	81	82	83	84	86	87	87	88	88
	14-28	76	77	78	78	79	80	81	81	82	83	84	84	85	86	87	88	88	88	88
	≥ 29	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89
50-61	0-3	57	58	60	62	64	65	67	69	71	73	74	76	78	80	81	83	84	85	85
	4-13	66	67	68	69	71	72	73	74	76	77	78	79	81	82	83	84	85	86	86
	14-28	72	73	74	75	75	76	77	78	79	80	81	82	83	84	84	85	86	86	86
	≥ 29	76	77	78	78	79	80	80	81	82	82	82	83	83	84	85	86	86	87	87
62-73	0-3	49	51	53	55	57	59	62	64	66	68	70	72	74	77	79	81	82	83	83
	4-13	59	61	62	64	65	67	68	70	71	73	74	76	78	79	81	82	83	84	84
	14-28	67	67	69	70	71	72	73	74	75	76	77	79	80	81	82	83	84	84	84
	≥ 29	72	72	73	74	75	76	76	77	78	79	80	80	81	81	82	83	84	84	84
74-84	0-3	39	41	44	46	49	52	54	57	60	62	65	68	70	73	76	78	80	81	82
	4-13	50	51	53	55	57	59	61	63	66	68	70	72	74	76	78	80	81	82	82
	14-28	58	59	61	62	64	65	67	68	70	71	73	74	76	77	79	80	81	82	82
	≥ 29	64	65	66	67	68	70	71	72	73	74	75	76	77	79	80	81	82	82	82
85-93	0-3	25	28	31	35	38	42	45	49	52	56	59	62	66	69	73	76	79	80	81
	4-13	35	38	40	43	46	49	52	54	57	60	63	65	68	71	74	77	79	80	81
	14-28	43	45	48	50	52	54	57	59	61	63	66	68	70	72	75	77	79	80	81
	≥ 29	50	51	53	55	57	59	61	63	64	66	68	70	72	74	75	77	79	80	81
94-100	0-3	9	12	17	21	26	30	35	39	44	48	53	57	61	66	70	75	77	78	78
	4-13	14	17	21	25	29	33	37	42	46	50	54	58	62	66	71	75	77	78	78
	14-28	18	21	25	28	32	36	40	44	48	52	55	59	63	67	71	75	77	78	78
	≥ 29	22	25	28	32	35	39	42	46	49	53	57	60	64	67	71	75	77	78	78

Temperature 25.5-30 °C

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFMC																	
		82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
		FFMC																	
0-10	0-3	94	95	95	95	95	96	96	96	96	96	97	97	97	97	97	97	98	98
	4-13	96	96	96	96	96	96	96	96	97	97	97	97	97	97	97	97	98	98
	14-28	96	96	97	97	97	97	97	97	97	97	97	98	98	98	98	98	98	98
	≥ 29	97	97	97	97	97	97	97	97	97	98	98	98	98	98	98	98	98	98
11-18	0-3	93	93	93	94	94	94	94	94	95	95	95	95	96	96	96	97	98	98
	4-13	94	94	94	94	94	95	95	95	95	95	96	96	96	96	97	98	98	
	14-28	94	95	95	95	95	95	95	95	95	96	96	96	96	96	97	98	98	
	≥ 29	95	95	95	95	95	95	95	96	96	96	96	96	96	96	97	98	98	
19-28	0-3	91	91	92	92	92	92	93	93	93	93	94	94	94	95	96	96	97	97
	4-13	92	92	92	92	93	93	93	93	93	94	94	94	94	95	96	96	97	97
	14-28	93	93	93	93	93	93	93	93	94	94	94	94	94	95	96	96	97	97
	≥ 29	93	93	93	93	93	93	94	94	94	94	94	94	94	95	96	96	97	97
29-38	0-3	89	90	90	90	90	91	91	91	91	91	92	92	93	94	94	95	95	96
	4-13	90	90	90	91	91	91	91	91	92	92	92	93	94	94	95	95	96	96
	14-28	91	91	91	91	91	91	91	92	92	92	93	94	94	95	95	96	96	
	≥ 29	91	91	91	91	91	91	92	92	92	92	93	94	94	95	95	96	96	
39-49	0-3	87	88	88	88	89	89	89	90	90	91	92	92	93	93	94	94	95	95
	4-13	88	88	89	89	89	89	89	90	90	91	92	92	93	93	94	94	95	95
	14-28	89	89	89	89	89	89	90	90	90	91	92	92	93	93	94	94	95	95
	≥ 29	89	89	89	89	89	90	90	90	90	91	92	92	93	93	94	94	95	95
50-61	0-3	86	86	86	87	87	87	88	89	90	90	91	91	92	92	93	93	94	94
	4-13	86	86	87	87	87	87	88	89	90	90	91	91	92	92	93	93	94	94
	14-28	87	87	87	87	87	88	88	89	90	90	91	91	92	92	93	93	94	94
	≥ 29	87	87	87	87	87	88	88	89	90	90	91	91	92	92	93	93	94	94
62-73	0-3	84	84	85	85	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	4-13	84	85	85	85	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	14-28	85	85	85	85	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	≥ 29	85	85	85	85	86	87	88	88	89	89	90	90	91	91	92	92	93	93
74-84	0-3	82	83	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	92
	4-13	82	83	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	92
	14-28	82	83	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	92
	≥ 29	82	83	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	92
85-93	0-3	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90
	4-13	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90
	14-28	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90
	≥ 29	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90
94-100	0-3	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87
	4-13	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87
	14-28	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87
	≥ 29	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87

Temperature 25.5-30 °C

FINE FUEL MOISTURE CODE

(Drying Table)

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFM																		
		0	3	8	13	18	23	28	33	38	43	48	53	58	63	68	73	78	80	81
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2	7	12	17	22	27	32	37	42	47	52	57	62	67	72	77	79		
		FFMC																		
0-10	0-3	82	83	84	84	85	86	87	88	89	90	90	91	92	93	94	95	95	95	96
	4-13	88	88	89	89	90	90	91	92	92	93	93	94	94	95	95	96	96	97	97
	14-28	91	92	92	92	93	93	94	94	94	95	95	95	95	96	96	96	97	97	97
	≥ 29	94	94	94	94	95	95	95	95	95	96	96	96	96	97	97	97	97	98	98
11-18	0-3	80	81	82	82	83	84	85	86	87	88	89	90	90	91	92	93	94	94	94
	4-13	86	86	87	87	88	89	89	90	90	91	91	92	92	93	93	94	94	95	95
	14-28	89	90	90	91	91	91	92	92	93	93	93	94	94	94	95	95	96	96	96
	≥ 29	92	92	92	93	93	93	93	94	94	94	94	95	95	95	96	96	96	96	96
19-28	0-3	77	78	79	80	81	82	83	84	85	85	86	87	88	89	90	91	92	92	92
	4-13	83	84	84	85	86	86	87	87	88	89	89	90	91	91	92	92	93	93	93
	14-28	87	87	88	88	89	89	90	90	90	91	91	92	92	92	93	93	94	94	94
	≥ 29	90	90	90	90	91	91	91	92	92	92	92	93	93	93	94	94	94	94	94
29-38	0-3	74	74	75	76	78	79	80	81	82	83	84	85	86	87	88	89	90	90	90
	4-13	80	81	81	82	83	83	84	85	85	86	87	88	88	89	90	90	91	91	91
	14-28	84	85	85	86	86	87	87	87	88	88	89	89	90	90	91	91	91	92	92
	≥ 29	87	87	88	88	88	89	89	89	90	90	90	90	91	91	91	92	92	92	92
39-49	0-3	69	70	71	72	74	75	76	77	79	80	81	82	83	85	86	87	88	88	88
	4-13	76	77	78	79	79	80	81	82	83	83	84	85	86	87	87	88	89	89	89
	14-28	81	82	82	83	83	84	84	85	85	86	86	87	87	88	89	89	89	90	90
	≥ 29	84	85	85	85	86	86	86	87	87	88	88	88	89	89	89	90	90	90	90
50-61	0-3	63	64	66	67	69	70	72	73	75	76	77	79	80	82	83	85	86	86	86
	4-13	72	73	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	87	87
	14-28	77	78	79	79	80	80	81	82	82	83	84	84	85	86	86	87	87	87	88
	≥ 29	81	81	82	82	83	83	84	84	84	85	85	86	86	87	87	87	88	88	88
62-73	0-3	55	57	59	60	62	64	66	68	69	71	73	75	77	79	80	82	83	84	84
	4-13	65	66	68	69	70	71	72	74	75	76	77	79	80	81	82	83	84	85	85
	14-28	72	73	74	74	75	76	77	78	79	79	80	81	82	83	84	84	85	85	85
	≥ 29	77	77	78	78	79	79	80	80	81	82	82	83	83	84	84	85	85	86	86
74-84	0-3	44	46	49	51	53	56	58	60	63	65	68	70	72	75	77	79	81	82	82
	4-13	56	57	59	61	62	64	66	67	69	71	72	74	76	77	79	81	82	82	83
	14-28	64	65	66	67	68	70	71	72	73	74	76	77	78	79	80	81	82	83	83
	≥ 29	70	70	71	72	73	74	75	75	76	77	78	79	80	80	81	82	83	83	83
85-93	0-3	29	32	35	38	42	45	48	51	54	58	61	64	67	70	73	77	79	80	81
	4-13	41	43	45	48	50	53	55	57	60	62	65	67	70	72	75	77	79	80	81
	14-28	49	51	53	55	56	58	60	62	64	66	68	70	72	74	76	78	79	80	81
	≥ 29	56	57	59	60	62	63	65	66	68	69	71	72	74	75	77	78	79	80	81
94-100	0-3	11	14	18	23	27	31	36	40	44	49	53	57	62	66	71	75	77	78	79
	4-13	16	19	23	27	31	35	39	43	47	51	55	59	63	67	71	75	77	78	79
	14-28	21	24	27	31	35	38	42	46	49	53	57	60	64	67	71	75	77	78	79
	≥ 29	25	28	31	35	38	41	45	48	51	55	58	61	65	68	71	75	77	78	79

Temperature 30.5-35 °C

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFMC																	
		82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
		FFMC																	
0-10	0-3	96	96	96	96	96	97	97	97	97	97	98	98	98	98	98	98	99	99
	4-13	97	97	97	97	97	97	97	98	98	98	98	98	98	98	98	98	99	99
	14-28	97	97	98	98	98	98	98	98	98	98	98	98	98	98	98	99	99	99
	≥ 29	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	99	99	99
11-18	0-3	94	94	95	95	95	95	96	96	96	96	96	96	96	97	97	97	98	99
	4-13	95	95	95	96	96	96	96	96	96	96	96	96	97	97	97	97	98	99
	14-28	96	96	96	96	96	96	96	96	96	96	97	97	97	97	97	97	98	99
	≥ 29	96	96	96	96	96	96	96	97	97	97	97	97	97	97	97	97	98	99
19-28	0-3	92	93	93	93	93	93	94	94	94	94	95	95	95	96	97	97	98	98
	4-13	93	93	94	94	94	94	94	94	94	95	95	95	95	96	97	97	98	98
	14-28	94	94	94	94	94	94	94	94	95	95	95	95	95	96	97	97	98	98
	≥ 29	94	94	94	94	94	94	95	95	95	95	95	95	95	96	97	97	98	98
29-38	0-3	91	91	91	91	91	92	92	92	92	92	93	93	94	95	95	96	96	97
	4-13	91	91	92	92	92	92	92	92	92	93	93	93	94	95	95	96	96	97
	14-28	92	92	92	92	92	92	92	92	93	93	93	93	94	95	95	96	96	97
	≥ 29	92	92	92	92	92	92	93	93	93	93	93	93	94	95	95	96	96	97
39-49	0-3	89	89	89	89	90	90	90	90	91	91	92	93	93	94	94	95	95	96
	4-13	89	90	90	90	90	90	90	90	91	91	92	93	93	94	94	95	95	96
	14-28	90	90	90	90	90	90	91	91	91	92	93	93	94	94	95	95	96	96
	≥ 29	90	90	90	90	90	90	91	91	91	92	93	93	94	94	95	95	96	96
50-61	0-3	87	87	87	88	88	88	88	89	90	91	91	92	92	93	93	94	94	95
	4-13	87	87	88	88	88	88	88	89	90	91	91	92	92	93	93	94	94	95
	14-28	88	88	88	88	88	88	88	89	90	91	91	92	92	93	93	94	94	95
	≥ 29	88	88	88	88	88	88	89	89	90	91	91	92	92	93	93	94	94	95
62-73	0-3	85	85	85	86	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	4-13	85	85	86	86	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	14-28	86	86	86	86	86	87	88	88	89	89	90	90	91	91	92	92	93	93
	≥ 29	86	86	86	86	86	87	88	88	89	89	90	90	91	91	92	92	93	93
74-84	0-3	83	83	84	85	86	86	87	87	88	88	89	89	90	90	91	91	92	92
	4-13	83	83	84	85	86	86	87	87	88	88	89	89	90	90	91	91	92	92
	14-28	83	83	84	85	86	86	87	87	88	88	89	89	90	90	91	91	92	92
	≥ 29	83	83	84	85	86	86	87	87	88	88	89	89	90	90	91	91	92	92
85-93	0-3	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90
	4-13	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90
	14-28	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90
	≥ 29	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90
94-100	0-3	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88
	4-13	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88
	14-28	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88
	≥ 29	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88

Temperature 30.5-35 °C

FINE FUEL MOISTURE CODE

(Drying Table)

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FPMC																			
		0	3	8	13	18	23	28	33	38	43	48	53	58	63	68	73	78			
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
		2	7	12	17	22	27	32	37	42	47	52	57	62	67	72	77	79	80	81	
		FFMC																			
0-10	0-3	87	88	89	89	90	90	91	92	92	93	93	94	94	95	96	96	97	97	97	
	4-13	92	92	93	93	93	94	94	94	95	95	96	96	96	96	97	97	97	98	98	98
	14-28	95	95	95	95	96	96	96	96	97	97	97	97	97	97	98	98	98	98	98	98
	≥ 29	96	97	97	97	97	97	97	97	98	98	98	98	98	98	98	98	98	99	99	99
11-18	0-3	86	86	87	87	88	89	89	90	90	91	92	92	93	94	94	95	95	95	96	96
	4-13	90	91	91	91	92	92	93	93	93	94	94	94	95	95	96	96	96	96	96	96
	14-28	93	93	94	94	94	94	95	95	95	95	95	96	96	96	96	97	97	97	97	97
	≥ 29	95	95	95	95	95	96	96	96	96	96	96	96	96	97	97	97	97	97	97	97
19-28	0-3	83	83	84	85	85	86	87	88	88	89	90	90	91	92	92	93	93	94	94	94
	4-13	88	88	89	89	90	90	90	91	91	92	92	92	93	93	94	94	94	94	94	95
	14-28	91	91	91	92	92	92	92	93	93	93	93	94	94	94	94	95	95	95	95	95
	≥ 29	93	93	93	93	93	94	94	94	94	94	94	94	94	95	95	95	95	95	95	95
29-38	0-3	79	80	81	82	82	83	84	85	85	86	87	88	89	89	90	91	91	92	92	92
	4-13	85	85	86	86	87	87	88	88	89	89	90	90	91	91	91	92	92	92	92	93
	14-28	88	89	89	89	89	90	90	90	91	91	91	91	91	92	92	92	93	93	93	93
	≥ 29	90	91	91	91	91	91	91	92	92	92	92	92	92	93	93	93	93	93	93	93
39-49	0-3	75	76	77	78	79	80	80	81	82	83	84	85	86	87	88	89	89	90	90	90
	4-13	82	82	83	83	84	84	85	85	86	86	87	88	88	89	89	90	90	90	90	90
	14-28	85	86	86	86	87	87	87	88	88	88	89	89	89	90	90	91	91	91	91	91
	≥ 29	88	88	88	88	89	89	89	89	89	90	90	90	90	90	91	91	91	91	91	91
50-61	0-3	70	70	72	73	74	75	76	77	78	79	81	82	83	84	85	86	87	87	88	88
	4-13	77	78	79	79	80	81	81	82	83	83	84	85	85	86	87	87	88	88	88	88
	14-28	82	82	83	83	84	84	84	85	85	86	86	87	87	87	88	88	89	89	89	89
	≥ 29	85	85	85	86	86	86	86	87	87	87	87	88	88	88	88	89	89	89	89	89
62-73	0-3	62	63	64	66	67	69	70	72	73	75	76	78	79	81	82	84	85	85	85	85
	4-13	71	72	73	74	75	76	77	78	78	79	80	81	82	83	84	85	86	86	86	86
	14-28	77	78	78	79	79	80	81	81	82	82	83	83	84	85	85	86	86	86	86	86
	≥ 29	81	81	82	82	82	83	83	83	84	84	84	85	85	86	86	86	86	86	87	87
74-84	0-3	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	81	82	83	83	83
	4-13	62	63	64	66	67	68	70	71	72	74	75	76	78	79	81	82	83	83	83	83
	14-28	70	70	71	72	73	74	75	76	77	77	78	79	80	81	82	83	83	84	84	84
	≥ 29	75	75	76	76	77	77	78	79	79	80	80	81	82	82	83	83	84	84	84	84
85-93	0-3	34	37	39	42	45	48	51	54	57	60	63	66	69	71	74	77	79	80	81	81
	4-13	46	48	50	52	54	57	59	61	63	65	67	69	72	74	76	78	80	80	81	81
	14-28	55	56	58	59	61	63	64	66	68	69	71	72	74	76	77	79	80	80	81	81
	≥ 29	62	62	64	65	66	67	68	70	71	72	73	74	76	77	78	79	80	80	81	81
94-100	0-3	12	16	20	24	28	33	37	41	45	50	54	58	62	67	71	75	78	79	79	79
	4-13	19	22	26	29	33	37	41	45	48	52	56	60	64	67	71	75	78	79	79	79
	14-28	24	27	31	34	37	41	44	48	51	54	58	61	65	68	72	75	78	79	79	79
	≥ 29	29	32	35	38	41	44	47	50	53	56	60	63	66	69	72	75	78	79	79	79

Temperature ≥ 35.5 °C

R. H. (%)	Wind (km/h)	Rain Code or Yesterday's FFMC																	
		82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
		FFMC																	
0-10	0-3	97	97	97	97	98	98	98	98	98	98	98	98	99	99	99	99	99	99
	4-13	98	98	98	98	98	98	98	98	98	99	99	99	99	99	99	99	99	99
	14-28	98	98	98	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
	≥ 29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
11-18	0-3	96	96	96	96	96	96	96	97	97	97	97	97	97	97	97	98	98	99
	4-13	96	97	97	97	97	97	97	97	97	97	97	97	97	97	98	98	98	99
	14-28	97	97	97	97	97	97	97	97	97	97	97	97	97	98	98	98	98	99
	≥ 29	97	97	97	97	97	97	97	97	97	97	97	98	98	98	98	98	98	99
19-28	0-3	94	94	94	94	94	95	95	95	95	95	95	95	96	96	96	97	98	98
	4-13	95	95	95	95	95	95	95	95	95	95	96	96	96	96	97	97	98	98
	14-28	95	95	95	95	95	95	95	95	95	96	96	96	96	96	97	97	98	98
	≥ 29	95	95	95	95	95	95	96	96	96	96	96	96	96	96	97	97	98	98
29-38	0-3	92	92	92	92	93	93	93	93	93	93	93	94	94	95	96	96	97	97
	4-13	93	93	93	93	93	93	93	93	93	93	94	94	94	95	96	96	97	97
	14-28	93	93	93	93	93	93	93	93	93	94	94	94	94	95	96	96	97	97
	≥ 29	93	93	93	93	93	93	93	94	94	94	94	94	94	95	96	96	97	97
39-49	0-3	90	90	90	90	91	91	91	91	91	92	92	93	94	94	95	95	96	96
	4-13	91	91	91	91	91	91	91	91	91	92	92	93	94	94	95	95	96	96
	14-28	91	91	91	91	91	91	91	91	91	92	92	93	94	94	95	95	96	96
	≥ 29	91	91	91	91	91	91	92	92	92	92	93	93	94	94	95	95	96	96
50-61	0-3	88	88	88	88	89	89	89	89	90	91	92	92	93	93	94	94	95	95
	4-13	88	89	89	89	89	89	89	89	90	91	92	92	93	93	94	94	95	95
	14-28	89	89	89	89	89	89	89	89	90	91	92	92	93	93	94	94	95	95
	≥ 29	89	89	89	89	89	89	89	89	90	91	92	92	93	93	94	94	95	95
62-73	0-3	86	86	86	86	87	87	88	89	89	90	90	91	91	92	92	93	93	94
	4-13	86	86	87	87	87	87	88	89	89	90	90	91	91	92	92	93	93	94
	14-28	87	87	87	87	87	87	88	89	89	90	90	91	91	92	92	93	93	94
	≥ 29	87	87	87	87	87	87	88	89	89	90	90	91	91	92	92	93	93	94
74-84	0-3	83	84	84	85	86	87	87	88	88	89	89	90	90	91	91	92	92	93
	4-13	84	84	84	85	86	87	87	88	88	89	89	90	90	91	91	92	92	93
	14-28	84	84	84	85	86	87	87	88	88	89	89	90	90	91	91	92	92	93
	≥ 29	84	84	84	85	86	87	87	88	88	89	89	90	90	91	91	92	92	93
85-93	0-3	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91
	4-13	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91
	14-28	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91
	≥ 29	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91
94-100	0-3	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88
	4-13	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88
	14-28	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88
	≥ 29	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88

Temperature ≥ 35.5 °C

DUFF MOISTURE CODE

(Drying Table)

TABLE 4

Temperature (°C)	R. H. (%)	Month							
		April	May	June	July	August	September	October	November
		Drying Factor							
≤ 5	0-100	0	1	1	0	0	0	0	0
5.5-10	0-52	1	1	1	1	1	1	1	1
	53-100	1	1	1	1	0	0	0	0
10.5-15	0-42	2	3	3	2	2	2	1	1
	43-73	1	2	2	1	1	1	1	1
	74-100	1	1	1	1	1	0	0	0
15.5-20	0-32	4	4	4	3	3	3	2	2
	33-52	3	3	3	3	2	2	2	1
	53-73	2	2	2	2	1	1	1	1
	74-100	1	1	1	1	1	1	1	0
20.5-25	0-32	5	5	5	4	4	3	3	2
	33-52	3	4	4	3	3	2	2	2
	53-73	2	2	2	2	2	2	1	1
	74-100	1	1	1	1	1	1	1	1
25.5-30	0-27	6	6	6	5	5	4	3	3
	28-42	5	5	5	4	4	3	3	2
	43-58	3	4	4	3	3	3	2	2
	59-73	2	3	3	2	2	2	1	1
	74-100	1	2	2	1	1	1	1	1
30.5-35	0-22	7	7	7	7	6	5	4	3
	23-37	6	6	6	6	5	4	4	3
	38-53	5	5	5	4	4	3	3	2
	54-68	3	3	3	3	3	2	2	2
	69-100	2	2	2	2	2	2	1	1
≥ 35.5	0-17	8	9	9	8	7	6	5	4
	18-29	7	8	8	7	6	5	4	4
	30-41	6	7	7	6	5	4	4	3
	42-53	5	5	5	5	4	4	3	3
	54-65	4	4	4	4	3	3	2	2
	66-100	3	3	3	3	2	2	2	1

Add the Drying Factor to the Rain Code or yesterday's DMC to obtain today's DMC

DROUGHT CODE

(Drying Table)

TABLE 6

Temperature (°C)	Month							
	April	May	June	July	August	September	October	November
	Drying Factor							
≤ 2	1	3	4	4	3	2	1	0
2.5-4	2	3	4	4	4	2	1	0
4.5-6	2	3	4	5	4	3	2	1
6.5-8	2	4	5	5	4	3	2	1
8.5-10	3	4	5	5	5	3	2	1
10.5-12	3	4	5	6	5	4	3	2
12.5-14	3	5	6	6	5	4	3	2
14.5-16	4	5	6	6	6	4	3	2
16.5-18	4	6	7	7	6	5	4	3
18.5-20	4	6	7	7	6	5	4	3
20.5-22	5	6	7	8	7	6	5	4
22.5-24	5	7	8	8	7	6	5	4
24.5-26	5	7	8	8	8	6	5	4
26.5-28	6	7	8	9	8	7	6	5
28.5-30	6	8	9	9	8	7	6	5
30.5-32	7	8	9	9	9	7	6	5
32.5-34	7	8	9	10	9	8	7	6
34.5-36	7	9	10	10	9	8	7	6
36.5-38	8	9	10	10	10	8	7	6
≥ 38.5	8	9	10	11	10	9	8	7

Add the Drying Factor to the Rain Code or *yesterday's* DC to obtain *today's* DC

FWI CALCULATIONS

Table 7

DATE	Wind (km/h) <small>Speed</small>			FFMC <small>Fire Fuel Moisture Code</small>				ISI <small>INITIAL SPREAD INDEX</small>		
	30/31					2				7
1			21		90			WITH OR WITHOUT RAIN		12
2			8		66			WITH OR WITHOUT RAIN		0.5

Table 8

DATE	DMC <small>Duff Moisture Code</small>				DC <small>Drought Code</small>		BUI <small>BUILDUP INDEX</small>		
	30/31								8
1					WITH OR WITHOUT RAIN		29	201	43
2					WITH OR WITHOUT RAIN		14	180	24

Table 9

DATE	ISI <small>Initial Spread Index</small>			BUI <small>Buildup Index</small>		FWI <small>FIRE WEATHER INDEX</small>
	30/31					
1						
2				WITH OR WITHOUT RAIN		
				12	43	24
				0.5	24	1

INITIAL SPREAD INDEX

Wind (km/h)	FFMC															
	0	33	38	43	48	53	58	63	68	73	78	80	81	82	83	84
	32	37	42	47	52	57	62	67	72	77	79					
	ISI															
0	0	0	0	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.5	1.5	1.5	2.0
1	0	0	0	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	1.5	1.5	2.0	2.0
2	0	0	0	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	1.5	1.5	2.0	2.0
3	0	0	0	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	1.5	2.0	2.0	2.0
4	0	0	0	0	0	0.5	0.5	0.5	0.5	1.0	1.5	1.5	1.5	2.0	2.0	2.5
5	0	0	0	0	0.5	0.5	0.5	0.5	0.5	1.0	1.5	1.5	2.0	2.0	2.0	2.5
6	0	0	0	0	0.5	0.5	0.5	0.5	0.5	1.0	1.5	1.5	2.0	2.0	2.5	2.5
7	0	0	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	1.5	2.0	2.0	2.5	2.5
8	0	0	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.0	2.5	2.5	3
9	0	0	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.0	2.5	2.5	3
10	0	0	0	0	0.5	0.5	0.5	0.5	1.0	1.5	1.5	2.0	2.5	2.5	3	3
11	0	0	0	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.0	2.0	2.5	2.5	3	3
12	0	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.0	2.5	3	3	4
13	0	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.5	2.5	3	3	4
14	0	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.5	3	3	3	4
15	0	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.5	3	3	4	4
16	0	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.5	2.5	3	3	4	4
17	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.5	3	3	4	4	5
18	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.5	3	3	4	4	5
19	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.5	3	4	4	4	5
20	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	3	3	4	4	5	5
21	0	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	3	4	4	4	5	6
22	0	0	0.5	0.5	0.5	1.0	1.0	1.5	1.5	2.5	3	4	4	5	5	6
23	0	0	0.5	0.5	0.5	1.0	1.0	1.5	1.5	2.5	3	4	4	5	5	6
24	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.5	4	4	5	5	6	6
25	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.5	4	4	5	5	6	7
26	0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	3	4	5	5	6	6	7
27	0	0.5	0.5	0.5	1.0	1.0	1.5	1.5	2.0	3	4	5	5	6	7	8
28	0	0.5	0.5	0.5	1.0	1.0	1.5	1.5	2.0	3	4	5	6	6	7	8
29	0	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.5	3	5	5	6	7	7	8
30	0	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.5	3	5	6	6	7	8	9
31	0	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.5	4	5	6	7	7	8	9
32	0	0.5	0.5	0.5	1.0	1.5	1.5	2.0	2.5	4	5	6	7	8	9	10
33	0	0.5	0.5	1.0	1.0	1.5	1.5	2.0	3	4	6	6	7	8	9	10
34	0	0.5	0.5	1.0	1.0	1.5	2.0	2.5	3	4	6	7	8	8	10	11
35	0	0.5	0.5	1.0	1.0	1.5	2.0	2.5	3	4	6	7	8	9	10	11
36	0	0.5	0.5	1.0	1.0	1.5	2.0	2.5	3	5	6	8	8	9	11	12
37	0	0.5	0.5	1.0	1.5	1.5	2.0	2.5	3	5	7	8	9	10	11	12
38	0	0.5	0.5	1.0	1.5	1.5	2.0	3	4	5	7	8	9	10	12	13
39	0	0.5	1.0	1.0	1.5	2.0	2.5	3	4	5	8	9	10	11	12	14
40	0	0.5	1.0	1.0	1.5	2.0	2.5	3	4	6	8	9	10	11	13	14
41	0	0.5	1.0	1.0	1.5	2.0	2.5	3	4	6	8	10	11	12	14	15
42	0	0.5	1.0	1.0	1.5	2.0	2.5	3	4	6	9	10	11	13	14	16
43	0	0.5	1.0	1.5	1.5	2.0	3	4	5	7	9	11	12	13	15	17
44	0	0.5	1.0	1.5	2.0	2.5	3	4	5	7	10	11	13	14	16	18
45	0	0.5	1.0	1.5	2.0	2.5	3	4	5	7	10	12	13	15	17	19
46	0	1.0	1.0	1.5	2.0	2.5	3	4	6	8	11	12	14	15	17	20
47	0	1.0	1.0	1.5	2.0	2.5	3	4	6	8	11	13	15	16	18	21
48	0	1.0	1.0	1.5	2.0	3	4	5	6	9	12	14	15	17	19	22
49	0	1.0	1.5	1.5	2.5	3	4	5	6	9	12	14	16	18	20	23
50	0	1.0	1.5	2.0	2.5	3	4	5	7	10	13	15	17	19	21	24

Wind (km/h)	FFMC														
	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
	ISI														
0	2.0	2.5	3	3	4	4	5	6	6	7	8	10	11	13	14
1	2.5	2.5	3	3	4	4	5	6	7	8	9	10	12	13	15
2	2.5	2.5	3	4	4	5	5	6	7	8	9	11	12	14	16
3	2.5	3	3	4	4	5	6	6	7	8	10	11	13	15	17
4	2.5	3	3	4	4	5	6	7	8	9	10	12	13	15	18
5	3	3	4	4	5	5	6	7	8	9	11	12	14	16	19
6	3	3	4	4	5	6	7	7	9	10	11	13	15	17	20
7	3	4	4	5	5	6	7	8	9	10	12	14	16	18	21
8	3	4	4	5	5	6	7	8	9	11	12	14	16	19	22
9	3	4	4	5	6	7	8	9	10	11	13	15	17	20	23
10	4	4	5	5	6	7	8	9	10	12	14	16	18	21	24
11	4	4	5	6	6	7	8	10	11	13	14	17	19	22	25
12	4	5	5	6	7	8	9	10	12	13	15	18	20	23	27
13	4	5	5	6	7	8	9	11	12	14	16	18	21	24	28
14	4	5	6	7	7	9	10	11	13	15	17	19	22	26	29
15	5	5	6	7	8	9	10	12	13	15	18	20	23	27	31
16	5	6	6	7	8	9	11	12	14	16	19	21	25	28	32
17	5	6	7	8	9	10	11	13	15	17	20	23	26	30	34
18	5	6	7	8	9	10	12	14	16	18	21	24	27	31	36
19	6	6	7	8	10	11	13	14	16	19	22	25	29	33	38
20	6	7	8	9	10	12	13	15	17	20	23	26	30	35	40
21	6	7	8	9	11	12	14	16	18	21	24	28	32	36	42
22	7	8	9	10	11	13	15	17	19	22	25	29	33	38	44
23	7	8	9	10	12	13	15	18	20	23	27	30	35	40	46
24	7	8	9	11	12	14	16	18	21	24	28	32	37	42	49
25	8	9	10	11	13	15	17	19	22	26	29	34	39	44	51
26	8	9	10	12	14	16	18	20	23	27	31	35	41	47	54
27	9	10	11	13	14	16	19	21	25	28	32	37	43	49	56
28	9	10	12	13	15	17	20	23	26	30	34	39	45	52	59
29	9	11	12	14	16	18	21	24	27	31	36	41	47	54	62
30	10	11	13	15	17	19	22	25	29	33	38	43	50	57	66
31	10	12	13	15	18	20	23	26	30	35	40	46	52	60	69
32	11	12	14	16	18	21	24	28	32	36	42	48	55	63	73
33	12	13	15	17	19	22	25	29	33	38	44	50	58	67	76
34	12	14	16	18	20	23	27	31	35	40	46	53	61	70	80
35	13	14	16	19	21	24	28	32	37	42	49	56	64	74	85
36	13	15	17	20	23	26	29	34	39	45	51	59	67	77	89
37	14	16	18	21	24	27	31	36	41	47	54	62	71	81	93
38	15	17	19	22	25	28	33	37	43	49	57	65	75	86	98
39	16	18	20	23	26	30	34	39	45	52	59	68	78	90	103
40	16	19	21	24	28	32	36	41	47	54	62	72	82	95	109
41	17	20	22	25	29	33	38	43	50	57	66	75	87	100	114
42	18	21	23	27	30	35	40	46	52	60	69	79	91	105	120
43	19	22	25	28	32	37	42	48	55	63	73	83	96	110	126
44	20	23	26	30	34	39	44	51	58	67	76	88	101	116	133
45	21	24	27	31	35	41	46	53	61	70	80	92	106	122	140
46	22	25	29	33	37	43	49	56	64	74	85	97	112	128	147
47	23	26	30	34	39	45	51	59	68	77	89	102	117	135	155
48	25	28	32	36	41	47	54	62	71	81	94	107	123	142	163
49	26	29	33	38	43	50	57	65	75	86	98	113	130	149	171
50	27	31	35	40	46	52	60	68	79	90	103	119	136	157	180

BUILDUP INDEX

DMC	DC													
	0	20	40	60	80	100	120	140	160	180	200	225	250	275
	19	39	59	79	99	119	139	159	179	199	224	249	274	299
	BUI													
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	3	3	4	4	4	4	4	4	4	4	4	4	4	4
3	3	5	5	5	6	6	6	6	6	6	6	6	6	6
4	4	6	7	7	7	7	7	7	8	8	8	8	8	8
5	5	7	8	8	9	9	9	9	9	9	9	9	10	10
6	6	8	9	10	10	11	11	11	11	11	11	11	11	11
7	7	9	10	11	12	12	12	13	13	13	13	13	13	13
8	8	10	11	12	13	14	14	14	14	14	15	15	15	15
9	9	10	12	14	14	15	15	16	16	16	16	16	17	17
10	10	11	13	15	16	16	17	17	17	18	18	18	18	18
11	11	11	14	16	17	18	18	19	19	19	19	20	20	20
12	12	12	15	17	18	19	19	20	20	21	21	21	22	22
13	13	13	16	18	19	20	21	21	22	22	23	23	23	23
14	13	14	16	19	20	21	22	23	23	24	24	24	25	25
15-16	15	15	17	20	22	23	24	25	25	26	26	27	27	27
17-18	17	17	19	21	24	25	26	27	28	28	29	30	30	30
19-20	19	19	20	23	25	27	28	29	30	31	32	32	33	33
21-22	21	21	21	24	27	29	30	32	33	33	34	35	36	36
23-24	23	23	23	25	28	31	32	34	35	36	37	38	38	39
25-27	25	26	26	27	30	33	35	36	38	39	40	41	42	42
28-30	28	29	29	29	32	35	37	39	41	42	43	44	45	46
31-33	31	32	32	32	34	37	40	42	43	45	46	48	49	50
34-36	34	34	35	35	35	39	42	44	46	48	50	51	52	54
37-39	37	37	38	38	38	41	44	46	49	51	52	54	56	57
40-43	41	41	41	41	41	43	46	49	51	54	56	58	59	61
44-47	44	45	45	45	45	45	48	52	54	57	59	61	63	65
48-51	48	49	49	49	49	49	51	54	57	60	63	65	67	69
52-55	52	53	53	53	53	53	53	56	60	63	66	68	71	73
56-60	57	57	57	58	58	58	58	59	63	66	69	72	75	77
61-65	62	62	62	62	63	63	63	63	65	69	72	76	79	81
66-70	67	67	67	67	68	68	68	68	68	72	75	79	82	85
71-75	72	72	72	72	72	73	73	73	73	74	78	82	86	89
76-81	77	77	77	78	78	78	78	78	78	78	82	86	90	93
82-87	83	83	83	84	84	84	84	84	84	84	85	89	94	97
88-93	89	89	89	89	90	90	90	90	90	90	90	93	97	101
94-100	95	95	96	96	96	96	96	97	97	97	97	97	101	105
101-107	102	102	102	103	103	103	103	103	104	104	104	104	104	109
108-115	109	110	110	110	110	110	111	111	111	111	111	111	111	113
116-124	118	118	118	118	119	119	119	119	119	119	120	120	120	120
125-134	127	127	127	128	128	128	128	128	129	129	129	129	129	129
135-145	137	137	138	138	138	138	139	139	139	139	139	139	140	140
146-157	148	149	149	149	149	150	150	150	150	150	151	151	151	151
158-170	160	161	161	161	162	162	162	162	162	163	163	163	163	163
171-186	174	175	175	175	176	176	176	176	177	177	177	177	177	178
187-205	191	192	192	192	193	193	193	193	194	194	194	194	195	195
206-228	212	212	212	213	213	213	214	214	214	214	215	215	215	215
229-256	236	237	237	237	238	238	238	239	239	239	239	240	240	240
257-290	266	266	267	267	267	268	268	268	269	269	269	270	270	270
291-332	302	303	303	304	304	304	305	305	305	306	306	306	307	307
333-384	347	347	348	348	349	349	350	350	350	351	351	352	352	352
385-448	402	402	403	403	404	404	405	405	406	406	407	407	408	408

DMC	DC													
	300	330	360	400	440	490	540	600	660	730	810	900	1000	1100
	329	359	399	439	489	539	599	659	729	809	899	999	1099	1199
	BUI													
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	4	4	4	4	4	4	4	4	4	4	4	4	4	4
3	6	6	6	6	6	6	6	6	6	6	6	6	6	6
4	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5	10	10	10	10	10	10	10	10	10	10	10	10	10	10
6	11	11	12	12	12	12	12	12	12	12	12	12	12	12
7	13	13	13	13	13	14	14	14	14	14	14	14	14	14
8	15	15	15	15	15	15	15	16	16	16	16	16	16	16
9	17	17	17	17	17	17	17	17	17	17	18	18	18	18
10	19	19	19	19	19	19	19	19	19	19	19	19	20	20
11	20	20	20	21	21	21	21	21	21	21	21	21	21	21
12	22	22	22	22	23	23	23	23	23	23	23	23	23	23
13	24	24	24	24	24	24	25	25	25	25	25	25	25	25
14	25	25	26	26	26	26	26	27	27	27	27	27	27	27
15-16	28	28	28	28	29	29	29	29	29	30	30	30	30	30
17-18	31	31	31	32	32	32	33	33	33	33	33	33	34	34
19-20	34	34	35	35	35	36	36	36	36	37	37	37	37	37
21-22	37	37	38	38	39	39	39	40	40	40	40	41	41	41
23-24	40	40	41	41	42	42	43	43	43	44	44	44	45	45
25-27	43	44	44	45	46	46	47	47	48	48	48	49	49	49
28-30	47	48	49	49	50	51	51	52	53	53	53	54	54	55
31-33	51	52	53	54	55	55	56	57	57	58	59	59	59	60
34-36	55	56	57	58	59	60	61	61	62	63	63	64	65	65
37-39	58	60	61	62	63	64	65	66	67	68	68	69	70	70
40-43	62	64	65	67	68	69	70	71	72	73	74	75	76	76
44-47	67	68	70	72	73	75	76	77	78	79	80	81	82	83
48-51	71	73	74	76	78	80	81	83	84	85	86	88	89	89
52-55	75	77	79	81	83	85	87	88	90	91	93	94	95	96
56-60	79	82	84	86	88	90	92	94	96	98	99	101	102	103
61-65	84	86	89	92	94	96	99	101	103	105	106	108	110	111
66-70	88	91	94	97	100	102	105	107	109	111	113	115	117	118
71-75	92	95	98	102	105	108	111	113	116	118	120	122	124	126
76-81	97	100	103	107	110	114	117	120	122	125	128	130	132	134
82-87	101	105	108	112	116	120	123	127	130	133	136	138	141	143
88-93	105	109	113	118	122	126	130	133	137	140	143	146	149	151
94-100	110	114	118	123	127	132	136	140	144	148	151	155	158	160
101-107	114	119	123	128	133	138	143	147	151	155	159	163	167	170
108-115	118	123	128	134	139	145	150	155	159	164	168	172	176	179
116-124	123	128	133	140	146	152	157	163	168	173	178	182	187	190
125-134	129	134	139	146	153	159	165	171	177	182	188	193	198	202
135-145	140	140	145	153	160	167	173	180	186	192	199	205	210	215
146-157	151	151	151	159	167	175	182	189	196	203	210	217	223	228
158-170	164	164	164	166	174	183	191	199	206	214	222	229	236	242
171-186	178	178	178	178	182	191	200	209	217	226	235	243	250	257
187-205	195	195	195	196	196	201	211	220	230	239	249	259	267	275
206-228	216	216	216	216	217	217	222	233	244	255	265	276	286	295
229-256	240	241	241	241	242	242	242	247	259	271	284	296	307	318
257-290	271	271	271	272	272	272	273	273	276	290	304	318	331	343
291-332	307	308	308	309	309	310	310	311	311	311	326	342	358	371
333-384	353	353	354	354	355	355	356	356	357	358	358	369	387	403
385-448	408	409	409	410	411	411	412	413	414	414	415	416	418	437

FIRE WEATHER INDEX

ISI	BUI																	
	0	2	4	6	8	10	12	15	18	21	24	27	31	35	39	43	48	53
	1	3	5	7	9	11	14	17	20	23	26	30	34	38	42	47	52	57
	FWI																	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.5	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
1.0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	3	3	3
1.5	0	0	1	1	1	1	1	2	2	2	3	3	3	4	4	4	5	5
2.0	0	1	1	1	1	2	2	3	3	3	4	4	4	5	5	6	6	6
2.5	1	1	1	2	2	3	3	3	4	4	5	5	6	6	6	7	7	8
3	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9
4	1	2	3	3	4	4	5	6	6	7	7	8	9	9	10	10	11	12
5	2	2	4	4	5	6	6	7	8	8	9	10	10	11	12	13	13	14
6	2	3	4	5	6	7	7	8	9	10	10	11	12	13	14	14	15	16
7	3	4	5	6	7	8	8	9	10	11	12	13	14	15	15	16	17	18
8	3	4	6	7	8	9	10	11	11	12	13	14	15	16	17	18	19	20
9	4	5	7	8	9	9	10	12	13	14	14	15	17	18	19	20	21	22
10	4	5	7	8	9	10	11	13	14	15	16	17	18	19	20	21	22	23
11	5	6	8	9	10	11	12	14	15	16	17	18	19	20	21	23	24	25
12	5	6	9	10	11	12	13	15	16	17	18	19	20	22	23	24	25	27
13	6	7	9	11	12	13	14	15	17	18	19	20	22	23	24	25	27	28
14	6	7	10	11	12	14	15	16	18	19	20	21	23	24	25	27	28	29
15-16	7	8	11	12	13	15	16	18	19	20	22	23	25	26	27	29	30	32
17-18	7	9	12	13	15	16	18	19	21	22	24	25	27	28	30	31	33	34
19-20	8	10	13	15	16	17	19	21	23	24	25	27	29	30	32	33	35	37
21-22	9	10	14	16	17	19	21	22	24	26	27	29	31	32	34	36	37	39
23-24	9	11	15	17	18	20	22	24	26	27	29	31	33	34	36	38	40	41
25-26	10	12	16	18	20	21	23	25	27	29	31	32	34	36	38	40	42	44
27-29	11	13	17	19	21	23	25	27	29	31	33	35	37	39	40	42	44	46
30-32	12	14	18	21	23	24	27	29	31	33	35	37	39	41	43	45	47	49
33-35	13	15	19	22	24	26	28	31	33	35	37	39	41	44	46	48	50	52
36-38	14	16	21	23	26	28	30	33	35	37	39	41	44	46	48	50	53	55
39-42	15	17	22	25	27	29	32	35	37	39	41	44	46	49	51	53	56	58
43-46	16	18	24	26	29	31	34	37	39	42	44	47	49	52	54	57	59	62
47-51	17	20	25	28	31	33	36	39	42	44	47	49	52	55	57	60	63	66
52-57	18	21	27	30	33	36	39	42	45	48	50	53	56	59	61	64	67	70
58-64	20	23	29	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75
65-72	22	25	32	35	39	42	45	48	52	55	58	61	64	67	70	74	77	80
73-81	23	27	34	38	42	45	48	52	56	59	62	65	69	72	75	79	82	86
82-91	25	29	37	41	45	48	52	56	60	63	67	70	74	77	81	84	88	92
92-102	28	31	40	44	48	52	56	60	64	68	71	75	79	83	86	90	94	98
103-114	30	34	43	48	52	55	60	64	69	73	76	80	84	88	92	96	100	104
115-128	32	37	46	51	56	59	64	69	73	78	81	86	90	94	98	103	107	111
129-144	35	39	50	55	60	64	69	74	79	83	87	92	96	101	105	110	114	119
145-163	38	43	53	59	64	69	74	79	84	89	93	98	103	108	113	117	122	127
164-185	41	46	58	64	69	74	79	85	91	96	100	106	111	116	121	126	131	136

ISI	BUI																	
	58	64	70	76	83	90	98	107	117	129	143	160	181	207	239	278	325	≥ 382
	63	69	75	82	89	97	106	116	128	142	159	180	206	238	277	324	381	
	FWI																	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.5	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
1.0	3	4	4	4	4	5	5	5	6	6	6	7	7	7	7	7	7	7
1.5	5	6	6	6	7	7	7	8	8	9	9	9	10	10	10	10	10	10
2.0	7	7	8	8	9	9	10	10	11	11	12	12	12	12	13	13	13	13
2.5	8	9	9	10	10	11	12	12	13	13	14	14	15	15	15	15	15	15
3	10	10	11	11	12	13	13	14	15	15	16	16	17	17	17	17	17	17
4	12	13	14	14	15	16	17	17	18	19	20	20	21	21	21	21	21	21
5	15	15	16	17	18	19	20	20	21	22	23	24	24	25	25	25	25	25
6	17	18	19	20	20	21	22	23	24	25	26	27	28	28	28	28	28	28
7	19	20	21	22	23	24	25	26	27	28	29	30	31	31	31	32	32	32
8	21	22	23	24	25	26	27	28	30	31	32	33	33	34	34	34	35	35
9	23	24	25	26	27	28	30	31	32	33	34	35	36	37	37	37	37	37
10	24	26	27	28	29	30	32	33	34	36	37	38	39	39	40	40	40	40
11	26	27	29	30	31	33	34	35	37	38	39	40	41	42	42	42	42	42
12	28	29	30	32	33	34	36	37	39	40	41	43	44	44	45	45	45	45
13	29	31	32	33	35	36	38	39	41	42	44	45	46	47	47	47	47	47
14	31	32	34	35	37	38	40	41	43	44	46	47	48	49	49	49	49	50
15-16	33	34	36	38	39	41	42	44	46	47	49	50	51	52	52	53	53	53
17-18	36	37	39	41	42	44	46	48	49	51	53	54	55	56	56	57	57	57
19-20	38	40	42	44	45	47	49	51	53	55	56	58	59	60	60	61	61	61
21-22	41	43	44	46	48	50	52	54	56	58	60	61	63	64	64	64	64	64
23-24	43	45	47	49	51	53	55	57	59	61	63	65	66	67	68	68	68	68
25-26	45	47	49	52	54	56	58	60	62	64	66	68	69	70	71	71	71	71
27-29	48	50	52	55	57	59	61	64	66	68	70	72	73	74	75	75	75	76
30-32	51	54	56	58	60	63	65	68	70	72	74	76	78	79	80	80	80	80
33-35	54	57	59	62	64	66	69	71	74	76	79	81	82	83	84	84	85	85
36-38	57	60	62	65	67	70	73	75	78	80	83	85	86	88	88	89	89	89
39-42	61	63	66	68	71	74	77	79	82	85	87	89	91	92	93	94	94	94
43-46	64	67	70	72	75	78	81	84	87	89	92	94	96	98	98	99	99	99
47-51	68	71	74	77	80	83	86	89	92	95	97	100	102	103	104	104	105	105
52-57	72	76	79	82	85	88	91	94	97	101	103	106	108	110	110	111	111	111
58-64	77	81	84	87	90	94	97	101	104	107	110	113	115	117	118	118	118	118
65-72	83	86	90	93	97	100	104	107	111	114	118	121	123	125	126	126	126	126
73-81	89	92	96	100	103	107	111	115	119	122	126	129	131	133	134	135	135	135
82-91	95	99	103	107	111	114	118	123	127	130	134	137	140	142	143	143	144	144
92-102	101	106	110	114	118	122	126	131	135	139	143	146	149	151	152	153	153	153
103-114	108	113	117	121	126	130	134	139	143	148	152	155	158	160	162	162	163	163
115-128	115	120	124	129	134	138	143	148	153	157	162	165	168	171	172	173	173	173
129-144	123	128	133	138	143	147	153	158	163	167	172	176	179	182	183	184	184	184
145-163	132	137	142	147	152	158	163	168	174	179	184	188	191	194	195	196	196	196
164-185	141	147	152	157	163	169	174	180	186	191	196	201	204	207	209	209	210	210



TABLE 10

RELATIVE HUMIDITY

VENTILATED THERMOMETERS

STATION ELEVATION
≤ 305 metres

RELATIVE HUMIDITY

Wet Bulb Temperature (°C)	Dry Bulb Temperature (°C)																			
	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5
-6	4																			
-5.5	11	6	2																	
-5	19	14	9	4																
-4.5	26	21	16	11	7	2														
-4	34	28	23	18	13	9	5	1												
-3.5	42	36	30	25	20	15	11	7	3											
-3	50	43	38	32	27	22	17	13	9	5	2									
-2.5	58	51	45	39	34	29	24	19	15	11	8	4	1							
-2	66	59	53	47	41	35	30	26	21	17	13	10	6	3						
-1.5	74	67	60	54	48	42	37	32	28	23	19	15	12	8	5	2				
-1	83	75	68	62	55	49	44	39	34	29	25	21	17	14	10	7	4	2		
-0.5	91	83	76	69	63	57	51	45	40	36	31	27	23	19	16	12	9	6	4	1
0	100	91	83	75	68	61	55	49	43	38	33	28	24	19	16	12	8	5	2	
0.5		100	92	84	76	69	62	56	50	44	39	34	30	25	21	17	14	10	7	4
1			100	92	84	76	70	63	57	51	46	40	36	31	27	23	19	15	12	9
1.5				100	92	84	77	70	64	58	52	47	42	37	32	28	24	20	17	14
2					100	92	85	77	71	64	59	53	48	43	38	34	29	26	22	18
2.5						100	92	85	78	71	65	59	54	49	44	39	35	31	27	23
3							100	92	85	78	72	66	60	55	50	45	40	36	32	28
3.5								100	93	85	79	73	67	61	56	51	46	41	37	33
4									100	93	86	79	73	67	62	57	52	47	43	38
4.5										100	93	86	80	74	68	62	57	52	48	44
5											100	93	86	80	74	68	63	58	53	49
5.5												100	93	87	80	75	69	64	59	54
6													100	93	87	81	75	70	64	60
6.5														100	93	87	81	76	70	65
7															100	93	87	81	76	71
7.5																100	94	88	82	76
8																	100	94	88	82
8.5																		100	94	88
9																			100	94
9.5																				100

EXAMPLE (≤ 305 Metres)

Temperature		RH
(°C)	(°C)	(%)
Dry Bulb	Wet Bulb	Relative Humidity
9	9	100
16	12.5	67
18.5	10	32

RH

TABLE 10

Wet Bulb Temperature (°C)	Dry Bulb Temperature (°C)																			
	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	17.5	18	18.5	19	19.5
0.5	1																			
1	6	3	1																	
1.5	10	8	5	2																
2	15	12	9	7	4	2														
2.5	20	17	14	11	8	6	3	1												
3	25	21	18	15	12	10	7	5	3	1										
3.5	30	26	23	20	17	14	11	9	6	4	2									
4	34	31	27	24	21	18	15	13	10	8	6	4	2							
4.5	39	36	32	29	25	22	19	17	14	12	9	7	5	3	2					
5	45	41	37	33	30	27	24	21	18	15	13	11	9	7	5	3	1			
5.5	50	46	42	38	34	31	28	25	22	19	17	14	12	10	8	6	4	3	1	
6	55	51	46	43	39	35	32	29	26	23	21	18	16	13	11	9	8	6	4	3
6.5	60	56	51	47	44	40	36	33	30	27	24	22	19	17	15	13	11	9	7	5
7	66	61	57	52	48	44	41	37	34	31	28	26	23	20	18	16	14	12	10	8
7.5	71	66	62	57	53	49	45	42	38	35	32	29	27	24	22	19	17	15	13	11
8	77	72	67	62	58	54	50	46	43	39	36	33	30	28	25	23	20	18	16	14
8.5	82	77	72	67	63	59	55	51	47	44	40	37	34	31	29	26	24	22	19	17
9	88	83	78	73	68	64	59	55	51	48	44	41	38	35	32	30	27	25	23	21
9.5	94	88	83	78	73	68	64	60	56	52	49	45	42	39	36	33	31	28	26	24
10	100	94	89	83	78	74	69	65	61	57	53	49	46	43	40	37	34	32	29	27
10.5		100	94	89	84	79	74	69	65	61	57	54	50	47	44	41	38	35	33	30
11			100	94	89	84	79	74	70	66	62	58	54	51	48	45	42	39	36	34
11.5				100	94	89	84	79	75	70	66	62	59	55	52	48	45	42	40	37
12					100	95	89	84	80	75	71	67	63	59	56	52	49	46	43	40
12.5						100	95	89	85	80	75	71	67	63	60	56	53	50	47	44
13							100	95	90	85	80	76	72	68	64	60	57	54	50	47
13.5								100	95	90	85	80	76	72	68	64	61	57	54	51
14									100	95	90	85	81	76	72	69	65	61	58	55
14.5										100	95	90	85	81	77	73	69	65	62	58
15											100	95	90	86	81	77	73	69	66	62
15.5												100	95	90	86	82	77	74	70	66
16													100	95	90	86	82	78	74	70
16.5														100	95	91	86	82	78	74
17															100	95	91	86	82	78
17.5																100	95	91	87	82
18																	100	95	91	87
18.5																		100	95	91
19																			100	95
19.5																				100

RELATIVE HUMIDITY

Wet Bulb Temperature (°C)	Dry Bulb Temperature (°C)																			
	20	20.5	21	21.5	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28	28.5	29	29.5
6	1																			
6.5	4	2	1																	
7	7	5	4	2	1															
7.5	10	8	6	5	4															
8	13	11	9	8	6	2	1													
8.5	15	14	12	10	9	7	6	5	3	2	1									
9	19	17	15	13	11	10	8	7	6	5	3	2	1							
9.5	22	20	18	16	14	13	11	10	8	7	6	5	3	2	1					
10	25	23	21	19	17	15	14	12	11	9	8	7	6	4	3	2	2	1		
10.5	28	26	24	22	20	18	16	15	13	12	10	9	8	7	6	4	3	3	2	1
11	31	29	27	25	23	21	19	17	16	14	13	11	10	9	8	7	5	5	4	3
11.5	34	32	30	28	26	24	22	20	18	17	15	14	12	11	10	9	8	6	5	5
12	38	35	33	31	28	26	24	23	21	19	18	16	15	13	12	11	10	8	7	6
12.5	41	39	36	34	31	29	27	25	24	22	20	19	17	16	14	13	12	11	9	8
13	45	42	39	37	35	32	30	28	26	24	23	21	19	18	16	15	14	13	11	10
13.5	48	45	43	40	38	35	33	31	29	27	25	24	22	20	19	17	16	15	13	12
14	52	49	46	43	41	38	36	34	32	30	28	26	24	23	21	20	18	17	16	14
14.5	55	52	49	47	44	41	39	37	35	33	31	29	27	25	24	22	20	19	18	16
15	59	56	53	50	47	45	42	40	38	35	33	31	29	28	26	24	23	21	20	18
15.5	63	60	56	53	51	48	45	43	40	38	36	34	32	30	28	27	25	24	22	21
16	67	63	60	57	54	51	49	46	43	41	39	37	35	33	31	29	27	26	24	23
16.5	71	67	64	61	57	55	52	49	47	44	42	40	37	35	33	32	30	28	27	25
17	75	71	67	64	61	58	55	52	50	47	45	42	40	38	36	34	32	31	29	27
17.5	79	75	71	68	65	61	58	56	53	50	48	45	43	41	39	37	35	33	31	30
18	83	79	75	72	68	65	62	59	56	53	51	48	46	44	41	39	37	35	34	32
18.5	87	83	79	75	72	69	65	62	59	57	54	51	49	46	44	42	40	38	36	34
19	91	87	83	79	76	72	69	66	63	60	57	54	52	49	47	45	43	41	39	37
19.5	96	91	87	83	80	76	73	69	66	63	60	58	55	52	50	48	45	43	41	39
20	100	96	91	87	84	80	76	73	70	67	64	61	58	55	53	50	48	46	44	42
20.5		100	96	92	88	84	80	77	73	70	67	64	61	58	56	53	51	49	46	44
21			100	96	92	88	84	80	77	73	70	67	64	61	59	56	54	51	49	47
21.5				100	96	92	88	84	80	77	74	71	68	65	62	59	57	54	52	50
22					100	96	92	88	84	81	77	74	71	68	65	62	60	57	55	52
22.5						100	96	92	88	84	81	78	74	71	68	65	63	60	57	55
23							100	96	92	88	85	81	78	75	71	69	66	63	60	58
23.5								100	96	92	88	85	81	78	75	72	69	66	63	61
24									100	96	92	88	85	81	78	75	72	69	66	64
24.5										100	96	92	89	85	82	78	75	72	69	67
25											100	96	92	89	85	82	79	76	73	70
25.5												100	96	92	89	85	82	79	76	73
26													100	96	92	89	85	82	79	76
26.5														100	96	93	89	86	82	79
27															100	96	93	89	86	83
27.5																100	96	93	89	86
28																	100	96	93	89
28.5																		100	96	93
29																			100	96
29.5																				100

EXAMPLE
(≤ 305 Metres)

Temperature		RH
(°C)	(°C)	(%)
Dry Bulb	Wet Bulb	Relative Humidity

21	21	100
26.5	22	68
32	19.5	31

Wet Bulb Temperature (°C)	Dry Bulb Temperature (°C)																			
	30	30.5	31	31.5	32	32.5	33	33.5	34	34.5	35	35.5	36	36.5	37	37.5	38	38.5	39	39.5
11	2	1																		
11.5	4	3	2	1	1															
12	5	5	4	3	2	1	1													
12.5	7	6	5	5	4	3	2	2	1											
13	9	8	7	6	6	5	4	3	2	2	1	1								
13.5	11	10	9	8	7	6	6	5	4	3	3	2	1	1						
14	13	12	11	10	9	8	7	6	6	5	4	3	3	2	2	1	1			
14.5	15	14	13	12	11	10	9	8	7	6	6	5	4	4	3	2	2	1	1	
15	17	16	15	14	13	12	11	10	9	8	7	6	6	5	4	4	3	3	2	2
15.5	19	18	17	16	14	13	12	11	10	10	9	8	7	6	6	5	5	4	3	3
16	21	20	19	18	16	15	14	13	12	11	10	10	9	8	7	7	6	5	5	4
16.5	24	22	21	20	18	17	16	15	14	13	12	11	10	9	9	8	7	7	6	5
17	26	24	23	22	20	19	18	17	16	15	14	13	12	11	10	9	9	8	7	7
17.5	28	26	25	24	22	21	20	19	17	16	15	14	13	13	12	11	10	9	9	8
18	30	29	27	26	24	23	22	20	19	18	17	16	15	14	13	12	12	11	10	9
18.5	33	31	29	28	26	25	24	22	21	20	19	18	17	16	15	14	13	12	11	11
19	35	33	32	30	28	27	26	24	23	22	21	19	18	17	16	15	15	14	13	12
19.5	37	36	34	32	31	29	28	26	25	24	22	21	20	19	18	17	16	15	14	13
20	40	38	36	34	33	31	30	28	27	26	24	23	22	21	20	19	18	17	16	15
20.5	42	40	38	37	35	33	32	30	29	27	26	25	24	22	21	20	19	18	17	16
21	45	43	41	39	37	36	34	32	31	29	28	27	25	24	23	22	21	20	19	18
21.5	47	45	43	41	40	38	36	34	33	31	30	29	27	26	25	24	23	21	20	19
22	50	48	46	44	42	40	38	37	35	33	32	31	29	28	27	25	24	23	22	21
22.5	53	51	48	46	44	42	41	39	37	36	34	33	31	30	28	27	26	25	24	23
23	55	53	51	49	47	45	43	41	39	38	36	35	33	32	30	29	28	26	25	24
23.5	58	56	54	51	49	47	45	43	42	40	38	37	35	34	32	31	29	28	27	26
24	61	59	56	54	52	50	48	46	44	42	40	39	37	36	34	33	31	30	29	28
24.5	64	61	59	57	54	52	50	48	46	44	43	41	39	38	36	35	33	32	30	29
25	67	64	62	59	57	55	53	51	49	47	45	43	41	40	38	37	35	34	32	31
25.5	70	67	65	62	60	57	55	53	51	49	47	45	43	42	40	39	37	36	34	33
26	73	70	68	65	62	60	58	56	53	51	49	47	46	44	42	41	39	37	36	35
26.5	76	73	71	68	65	63	60	58	56	54	52	50	48	46	44	43	41	39	38	36
27	79	76	74	71	68	66	63	61	58	56	54	52	50	48	46	45	43	41	40	38
27.5	83	80	77	74	71	68	66	63	61	59	57	55	52	51	49	47	45	43	42	40
28	86	83	80	77	74	71	69	66	64	61	59	57	55	53	51	49	47	45	44	42
28.5	89	86	83	80	77	74	72	69	66	64	62	59	57	55	53	51	49	48	46	44
29	93	90	86	83	80	77	74	72	69	67	64	62	60	58	56	54	52	50	48	46
29.5	96	93	90	86	83	80	77	75	72	69	67	65	62	60	58	56	54	52	50	48
30	100	96	93	90	86	83	80	78	75	72	70	67	65	63	60	58	56	54	52	50
30.5		100	96	93	90	87	84	81	78	75	72	70	67	65	63	61	59	57	55	53
31			100	96	93	90	87	84	81	78	75	73	70	68	65	63	61	59	57	55
31.5				100	97	93	90	87	84	81	78	75	73	70	68	66	63	61	59	57
32					100	97	93	90	87	84	81	78	76	73	71	68	66	64	61	59
32.5						100	97	93	90	87	84	81	78	76	73	71	68	66	64	62
33							100	97	93	90	87	84	81	79	76	73	71	69	66	64
33.5								100	97	93	90	87	84	82	79	76	74	71	69	67
34									100	97	93	90	87	84	82	79	76	74	71	69
34.5										100	97	93	90	87	85	82	79	77	74	72
35											100	97	94	90	88	85	82	79	77	74
35.5												100	97	94	91	88	85	82	79	77
36													100	97	94	91	88	85	82	80
36.5														100	97	94	91	88	85	82
37															100	97	94	91	88	85
37.5																100	97	94	91	88
38																	100	97	94	91

FWI CALCULATIONS

Sample form*

Month June	Year	Station-Province	No.	Elevation 250 m	Initials
----------------------	------	------------------	-----	---------------------------	----------

DATE	Temperature		RH	Wind	Rain	FFMC		DMC			DC		ISI	BUI	FWI	
	(°C)	(°C)	(%)	(km/h)	(mm)	1	2	3	4		5	6		7	8	9
	Dry Bulb	Wet Bulb	Relative Humidity	Speed	24 Hour	Rain Code	Fine Fuel Moisture Code	Rain Code	Drying Factor	Duff Moisture Code	Rain Code	Drying Factor	Drought Code	Initial Spread Index	Buildup Index	Fire Weather Index
30/31							88			25			193			

1	24.5	15	35	21			90		4	29		8	201	12	43	24
2	21	15.5	56	8	13.4	20	66	12	2	14	173	7	180	0.5	24	1
3																
4																

June 1 Example
WITHOUT RAIN

June 2 Example
WITH RAIN

See pages 7, 15, 35

15																
16																
17																
18							92			33			198			
19	19.5	13	47	14	2.8	46	76	26	3	29	198	7	205	1.5	43	4
20																
21																

June 19 Example
WITH RAIN

28																
29							82			21			167			
30	27	18	41	24			89		5	26		8	175	12	38	22
31																

63.4

 June 30 Example
WITHOUT RAIN

*Your own MONTHLY RECORD form might be rearranged and/or include additional columns such as WIND DIRECTION

CANADIAN FOREST FIRE

WEATHER INDEX

Canadian Forestry Service
Department of Fisheries and Forestry
1970

FIRE WEATHER INDEX

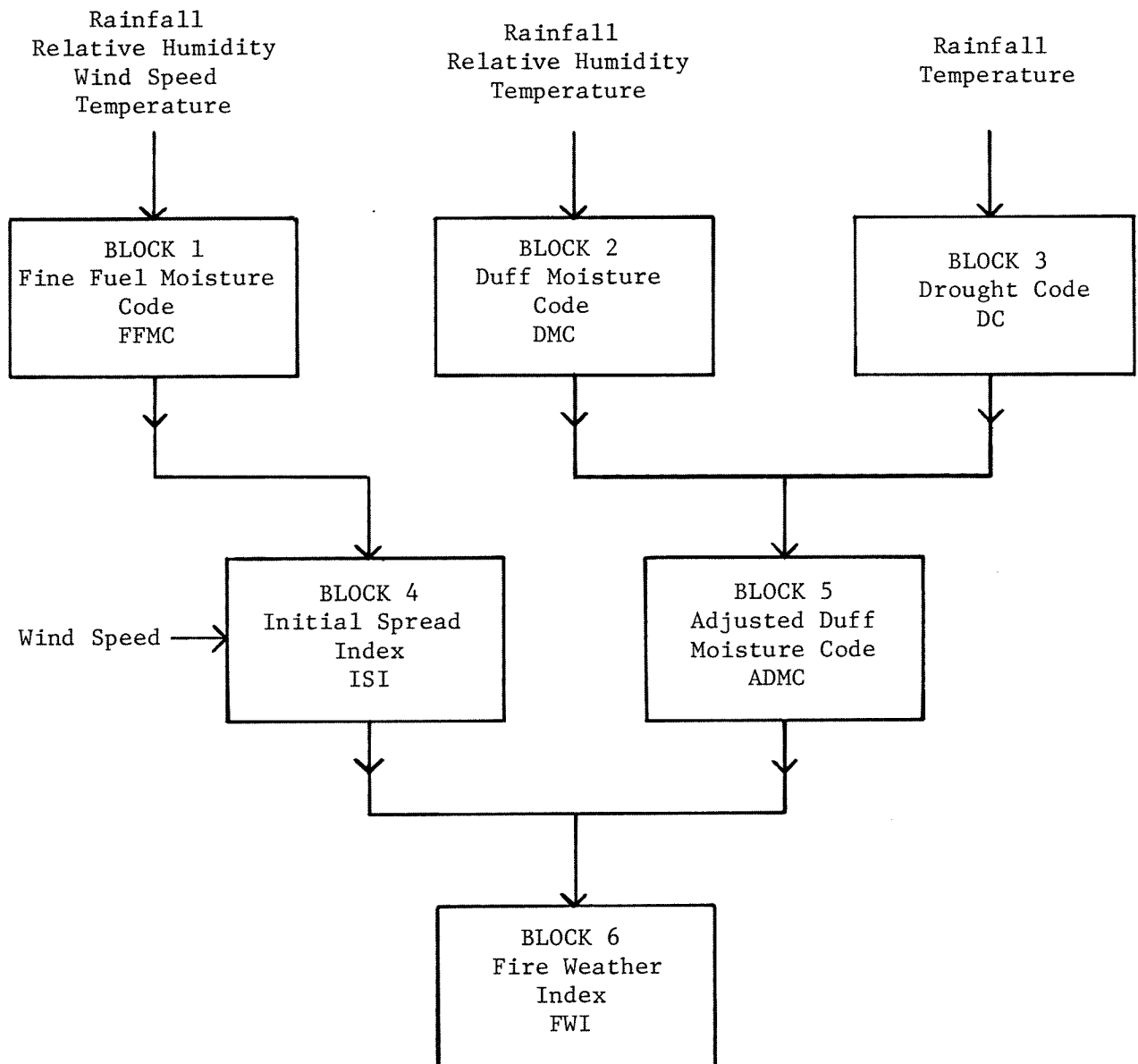
The Fire Weather Index (FWI) is a numerical rating of potential fire intensity in a standard fuel type. By definition this index is dependent on weather only. It does not consider the effect of differences in fuels or slope. It provides a uniform scale for rating fire weather severity all across Canada. The Fire Weather Index is related to the ease of ignition of wildfires, and is a relative measure of expected fire behaviour and daily fire control requirements. In all cases, codes are arranged so that the higher values correspond to lower moisture contents. Index values increase as fire severity increases.

The FWI consists of 10 tables which are grouped into six blocks. The first three blocks numerically rate the influence of weather on the moisture content of various organic fuels in a standard fuel type. The last three blocks numerically relate the moisture content codes thus obtained and the weather to fire behaviour characteristics. The six blocks are discussed individually below.

1. Fine Fuel Moisture Code (FFMC) -- This is a numerical rating of the moisture content of litter and other cured fine fuels in a forest stand. This code is suitable for use as an indicator of the relative ease with which fires will ignite.
2. Duff Moisture Code (DMC) -- This is a numerical rating of the average moisture content of loosely compacted organic layers 2" to 4" deep.
3. Drought Code (DC)¹ -- This is a numerical rating of the average moisture content of deep, compact, organic layers. This code is suitable for use as a guide for long range presuppression and preparedness activities over large areas.
4. Initial Spread Index (ISI) -- This is a numerical rating of the relative fire spread which can be expected immediately after ignition in a standard fuel type.
5. Adjusted Duff Moisture Code (ADMC) -- This is a numerical rating of the total amount of fuel available for combustion. This code is suitable for use as a guide for short term presuppression and preparedness activities.
6. Fire Weather Index (FWI) -- This is a numerical rating of potential fire intensity in a standard fuel type. This code is a guide to daily preparedness and suppression activities.

The FWI and the ADCM may be plotted on a seasonal display chart.

¹ Equivalent Stored Moisture Index (SMI) values are given as reference for persons more familiar with these values. Note that the Drought Code (DC) by itself is not applicable to areas with shallow fuel layers as fuels on such areas would be dry long before high DC values could be reached.



Block Diagram of Forest Fire Weather Index

FIRE WEATHER INDEX CLASSES

The national scope of this rating system requires that fire weather index classes be established on a regional basis. In order to provide each region with as much administrative flexibility as possible six classes are described below. If 4 or 5 classes are considered sufficient, low may be combined with very low and high may be combined with very high. The following is a general progression of fire behaviour characteristics which are likely to occur as the FWI increases from "Very Low" to "Extreme".

- Low { Very Low -- Fires are not likely to start. If started, they spread very slowly or may go out. There is little flaming combustion and generally only the upper portion of the litter is consumed.¹ Control is readily achieved and little or no mop-up is required.
- Low { Low -- Ignition may take place near prolonged heat sources (campfires, etc.); spread is slow in forests, moderate in open areas; these are light surface fires, with low flames; generally, the litter layer is consumed.¹ Control is readily achieved, and some light mop-up will be required.
- Moderate { Moderate -- Flaming matches etc. may start fires; spread is moderate in forests, fast in open areas; fires burn on the surface with moderate flames; some of the duff may be consumed on dry sites. Control is not difficult and light to moderate mop-up will be necessary.
- High { High -- Flaming matches will probably start fires; spread may be fast in the forest though not for sustained periods; these are hot surface fires with some individual tree crowns being consumed; "short range" spotting may occur; much of the duff will be consumed on shallow and dry sites. Control may be difficult, and mop-up may require a moderate effort.
- High { Very High -- Ignition can occur readily; spread will be fast for sustained periods. Fires may be very hot, with local crowning and "medium range" spotting. Much of the duff will be consumed on moderately deep and normally moist sites. Control will be very difficult and mop-up may require an extended effort.
- Extreme { Extreme -- Ignition can occur from sparks; rates of spread will be extremely fast for extended periods; fires will be extremely hot and there may be extensive crowning and "long range" spotting; much of the duff will be consumed on deep and normally wet sites.² Control may not be possible during the day and mop-up may be very extensive and difficult.

¹ It is important to note that with a high DC or ADMC there may be considerable smouldering throughout the entire organic layer despite a low FWI.

² Assuming that the DC is high.

WEATHER OBSERVATIONS

Calculation of the Fire Weather Index requires the following weather observations at 1200 (noon) local standard time. These observations should be recorded and the index should be calculated every day regardless of whether or not it is raining at noon.

Temperature - Wet and dry-bulb temperatures (°F) measured with ventilated thermometers are recorded in Column 0 and 1 respectively of the Forest Fire Weather Index Monthly Record.

Relative Humidity - RH (%) determined from the tables for ventilated thermometers included in this publication is entered in Column 2 of the Forest Fire Weather Index Monthly Record.

Wind - Average wind speed (m.p.h.) and direction (8 points) measured over a 10-minute period is recorded in Column 3 of the Forest Fire Weather Index Monthly Record.

Rainfall - 24 hour total rainfall is measured to the nearest .01 inch and recorded in Column 4. If precipitation is in the form of snow, measure each snowfall to nearest 0.1 inch and record one-tenth the depth.

Remarks - Column 5 of the Forest Fire Weather Index Monthly Record is reserved for noting weather observations of interest to regional organizations which are not required for calculation of the FWI.

Although an anemometer should be used whenever possible to measure the wind speed, stations not so equipped can obtain a fairly satisfactory estimate of the wind by using the following Wind Scale.

SCALE FOR ESTIMATING WIND SPEED

For best results this Wind Scale should be used at a well-exposed open place near the forest, with suitable trees for observation. Estimates should be made over a period of at least 5 minutes - the longer the better. If the wind is gusty, estimate the average wind over the whole period.

Effects of Wind	Wind Speed, miles per hour
Smoke rises vertically; no movement of leaves of bushes or trees.	Less than 1
Leaves of trembling aspen in constant motion; small branches of bushes sway; tall grasses and weeds sway and bend with wind; wind vane barely moves.	1 to 3
Trees of pole size in the open sway gently; wind is felt distinctly on face; loose scraps of paper move; wind flutters small flag.	4 to 7
Trees of pole size in the open sway very noticeably; large branches of trees in the open toss; tops of trees in dense stands sway; wind extends small flag; a few crested waves form on lakes.	8 to 12
Trees of pole size in open sway violently; whole trees in dense stands sway noticeably; dust is raised in road.	13 to 18
Branchlets are broken from trees; inconvenience is felt in walking against wind.	19 to 24
Tops and branches are broken from trees; walking against wind is difficult; structural damage; shingles are blown off.	25 to 38

TO START RECORDS IN THE SPRING

Records should be started early in the spring. The exact date and starting values of FFMC, DMC and DC will normally be designated by the regional fire control agency. In the absence of such direction the following procedures will usually give satisfactory results:

- (a) In regions where snow cover is normal during the winter initiate calculations on the third day after the area to which the index is to apply is essentially snow-free using the following starting code values:

FFMC = 85 (Column 9)

DMC = 6 (Column 12)

DC = 15 (Column 15)

- (b) In areas where snow cover is not a significant feature, initiate calculations approximately 3 days after the end of spring run-off, using the same starting values as in (a).
- (c) If neither of the above conditions can be met, calculations should be started on the third successive day that noon temperatures of 55° or higher have been recorded. At this time initiate calculations with the following starting code values:

FFMC = 85

DMC = 2 x number of days since measurable rain

DC = 5 x " " " " " " "

**CANADIAN
FOREST FIRE WEATHER INDEX
TABLES**

Table 1A

FINE FUEL MOISTURE CODE

Yesterday's Fine Fuel Moisture Code	Rainfall—Inches																					
	.00 to .02	.03	.04	.05	.06	.07	.08	.09	.10	.11 to .12	.13 to .14	.15 to .17	.18 to .22	.23 to .29	.30 to .39	.40 to .49	.50 to .64	.65 to .79	.80 to .99	1.00 to 1.25	1.26 or more	
	Initial Fine Fuel Moisture Code																					
0 to 2	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 to 7	O	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 to 12	C	7	7	6	5	4	4	3	3	3	2	2	1	1	1	0	0	0	0	0	0	0
13 to 17	H	13	12	11	10	9	8	7	7	6	6	5	4	4	3	3	2	2	2	2	1	1
18 to 22	A	18	17	16	14	13	12	11	10	9	8	7	6	5	5	4	4	3	3	3	2	2
23 to 27	N	23	22	20	18	16	15	14	13	12	11	9	8	7	7	6	5	5	4	4	4	3
28 to 32	G	28	26	24	22	20	18	17	16	15	13	11	10	9	8	7	7	6	5	5	4	4
33 to 37	E	33	30	28	25	23	21	20	18	17	15	13	12	11	10	9	8	7	6	6	5	5
38 to 42	F	38	35	32	29	26	24	22	21	19	18	15	13	12	11	10	9	8	7	6	6	5
43 to 47	R	42	39	36	33	29	27	25	24	22	20	16	15	14	12	11	10	9	8	7	6	6
48 to 52	O	47	43	40	36	32	30	28	26	24	22	18	17	15	13	12	11	10	9	8	7	7
53 to 57	M	52	47	44	40	36	33	30	29	26	24	20	18	16	15	13	12	11	10	8	7	7
58 to 62	P	56	52	48	43	39	36	33	31	29	26	22	20	18	16	14	13	12	10	9	8	8
63 to 67	R	61	56	52	47	42	38	36	34	31	28	23	21	19	17	15	14	12	11	10	8	8
68 to 72	E	65	60	56	50	45	41	38	36	33	30	25	23	21	18	17	15	13	12	11	9	9
73 to 77	V	70	64	59	54	48	44	41	39	36	32	27	24	22	20	18	16	14	13	11	9	9
78 to 79	I	73	67	62	56	50	46	43	40	37	34	28	25	23	20	18	16	15	13	12	10	10
80	O	74	69	63	57	51	47	44	41	38	34	28	26	23	21	19	17	15	14	12	10	10
81	U	75	69	64	58	52	48	44	42	38	35	29	26	24	21	19	17	15	14	12	10	10
82	S	76	70	65	59	53	48	45	42	39	35	29	27	24	21	19	17	15	14	12	10	10
83	C	77	71	66	59	53	49	45	43	39	36	29	27	24	22	19	17	16	14	12	10	10
84	D	78	72	66	60	54	49	46	43	40	36	30	27	24	22	20	18	16	14	12	10	10
85	E	79	73	67	61	54	50	46	44	40	37	30	27	25	22	20	18	16	14	13	10	10
86		80	74	68	61	55	51	47	44	41	37	31	28	25	22	20	18	16	14	13	11	11
87		81	74	69	62	56	51	48	45	41	37	31	28	25	23	20	18	16	15	13	11	11
88		82	75	70	63	56	52	48	45	42	38	31	28	26	23	21	18	17	15	13	11	11
89		83	76	70	63	57	52	49	46	42	38	32	29	26	23	21	19	17	15	13	11	11
90		84	77	71	64	58	53	49	46	43	39	32	29	26	23	21	19	17	15	13	11	11
91		85	78	72	65	58	53	50	47	43	39	32	29	26	24	21	19	17	15	13	11	11
92		86	79	73	66	59	54	50	47	43	39	33	30	27	24	21	19	17	15	14	11	11
93		86	80	73	66	59	55	51	48	44	40	33	30	27	24	22	19	17	16	14	11	11
94		87	80	74	67	60	55	51	48	44	40	33	30	27	24	22	20	18	16	14	11	11
95		88	81	75	68	61	56	52	49	45	41	34	31	28	25	22	20	18	16	14	12	12
96		89	82	76	68	61	56	52	49	45	41	34	31	28	25	22	20	18	16	14	12	12
97		90	83	77	69	62	57	53	50	46	42	34	31	28	25	23	20	18	16	14	12	12
98		91	84	77	70	63	57	53	50	46	42	35	32	28	25	23	20	18	16	14	12	12
99		92	85	78	70	63	58	54	51	47	42	35	32	29	26	23	21	18	16	14	12	12

Enter Table 1A with yesterday's FINE FUEL MOISTURE CODE (FFMC) (Column 9) and today's RAINFALL (Column 4) to determine the INITIAL FINE FUEL MOISTURE CODE; write the INITIAL FFMC in Column 6. If the FFMC for yesterday is not available, use the last calculated FFMC.

All references to column numbers in these instructions apply to the columns on the Monthly Record sample form shown on page 18.

Table 1B

FINE FUEL MOISTURE CODE

R.H. (%)	Wind Speed M.P.H.	Initial Fine Fuel Moisture Code																																							
		0	3	8	13	18	23	28	33	38	43	48	53	58	63	68	73	78	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99			
		Drying Code																																							
10 or less	0 to 2 3 to 9 10 +	67	68	70	72	73	75	76	78	79	81	82	84	86	87	89	90	91	92	92	92	93	93	93	94	94	94	95	95	95	96	96	96	96	97	97	98	99			
11 to 17	0 to 2 3 to 9 10 +	65	67	68	70	71	73	75	76	78	79	81	82	84	86	87	89	90	90	91	91	91	92	92	93	93	93	94	94	94	95	95	95	96	96	96	97	97	98		
18 to 27	0 to 2 3 to 9 10 +	63	64	66	67	69	71	72	74	76	77	79	81	82	84	86	87	88	89	90	90	90	91	91	91	92	92	92	92	92	93	93	93	93	94	95	95	96	97		
28 to 37	0 to 2 3 to 9 10 +	59	61	62	64	66	68	69	71	73	75	77	78	80	82	84	85	86	87	88	88	88	88	89	89	89	90	90	90	91	91	91	92	93	93	94	94	95	95	96	
38 to 47	0 to 2 3 to 9 10 +	55	57	59	61	62	64	66	68	70	72	74	76	78	80	82	84	85	86	86	87	87	87	88	88	88	88	89	89	89	90	90	91	91	92	92	93	93	94	94	95
48 to 57	0 to 2 3 to 9 10 +	51	52	54	57	59	61	63	65	67	69	71	73	76	78	80	82	83	84	85	85	85	86	86	86	87	87	87	88	88	89	89	90	90	91	91	92	92	93	93	94
58 to 67	0 to 2 3 to 9 10 +	45	47	49	52	54	57	59	61	64	66	68	71	73	76	78	80	82	83	83	84	84	84	85	85	85	86	86	87	87	88	88	89	89	90	90	91	91	92	92	93
68 to 77	0 to 2 3 to 9 10 +	38	41	43	46	49	51	54	57	60	62	65	68	71	73	76	79	80	81	82	83	83	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	91	92	92	
78 to 87	0 to 2 3 to 9 10 +	29	32	35	38	42	45	48	51	54	58	61	64	67	70	74	77	79	80	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	90	90	90
88 or more	0 to 2 3 to 9 10 +	16	19	23	27	31	35	39	43	47	51	55	59	63	67	71	75	77	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	88	

Enter Table 1B with the RELATIVE HUMIDITY (Column 2), WIND SPEED (Column 3) and the INITIAL FINE FUEL MOISTURE CODE (Column 6) to determine today's DRYING CODE; write the DRYING CODE in Column 7.

Table 1C

FINE FUEL MOISTURE CODE

Temperature °F	Initial Fine Fuel Moisture Code																																							
	0	3	8	13	18	23	28	33	38	43	48	53	58	63	68	73	78	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99			
		Temperature Adjustment																																						
up to 46	minus	16	16	15	14	14	13	12	11	10	9	8	8	7	6	5	4	4	3	3	3	3	3	2	2	2	2	2	2	2	1	1	1	1	1	1	0	0	0	
47 to 54	minus	12	11	11	10	10	9	8	8	7	7	6	5	5	4	3	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
55 to 64	minus	6	6	5	5	5	4	4	4	3	3	3	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 to 75	minus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
76 to 85	plus	7	6	6	6	5	5	5	4	4	4	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	
86 to 93	plus	13	12	11	11	10	10	9	8	8	7	6	6	5	5	4	3	3	3	3	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	0
94 or more	plus	18	17	16	15	14	13	13	12	11	10	9	8	7	6	6	5	4	4	4	4	4	3	3	3	3	3	3	3	2	2	2	2	2	1	1	1	1	1	0

Enter Table 1C with the DRY-BULB TEMPERATURE (Column 1) and the same INITIAL FINE FUEL MOISTURE CODE (Column 6) as used in Table 1B to determine the TEMPERATURE ADJUSTMENT; write the TEMPERATURE ADJUSTMENT in Column 8.

Adjust the DRYING CODE (Column 7) according to sign and value of TEMPERATURE ADJUSTMENT (Column 8). Write the result in Column 9. This is today's FINE FUEL MOISTURE CODE (FFMC).

Table 2A

DUFF MOISTURE CODE

Yesterday's Duff Moisture Code (DMC)	Rainfall—Inches																							
	.00 to .05	.06	.07	.08	.09	.10 to .11	.12 to .13	.14 to .15	.16 to .17	.18 to .20	.21 to .23	.24 to .27	.28 to .31	.32 to .36	.37 to .41	.42 to .47	.48 to .55	.56 to .65	.66 to .80	.81 to 1.00	1.01 to 1.40	1.41 to 2.40	2.41 or more	
	Initial Duff Moisture Code																							
0 to 2	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 to 5	O	4	3	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
6 to 8		7	6	5	5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	
9 to 11	C	10	9	8	8	7	7	6	6	6	5	5	5	5	5	5	4	4	4	4	4	4	4	
12 to 14	H	12	12	11	10	10	9	9	8	8	7	7	7	7	6	6	6	6	6	5	5	5	5	
	A																							
15 to 17	N	15	15	14	13	12	12	11	10	10	9	9	9	8	8	8	7	7	7	7	6	6	6	
18 to 20	G	18	17	17	16	15	14	13	13	12	11	11	10	10	9	9	9	8	8	8	7	7	7	
21 to 23	E	21	20	19	19	18	16	16	15	14	13	13	12	11	11	10	10	10	9	9	8	8	7	
24 to 26		24	23	22	21	20	19	18	17	16	15	14	14	13	12	12	11	11	10	10	9	8	8	
27 to 29	F	27	26	25	24	23	21	20	19	18	17	16	15	14	14	13	12	12	11	10	10	9	8	
	R																							
30 to 33	O	31	29	28	27	26	24	23	22	20	19	18	17	16	15	14	14	13	12	11	10	9	9	
34 to 37	M	35	33	32	31	29	27	26	25	23	22	21	19	18	17	16	16	15	14	13	12	11	10	
38 to 41		38	37	35	34	32	31	29	28	26	25	23	22	21	20	19	18	17	16	15	14	13	12	
42 to 45	P	42	41	39	38	36	34	32	31	29	27	26	25	23	22	21	20	19	18	17	16	14	13	
46 to 49	R	46	44	43	41	39	37	35	33	32	30	28	27	26	24	23	22	21	20	19	18	16	15	
	E																							
50 to 53	V	50	48	46	45	42	40	38	36	34	33	31	29	28	27	25	24	23	22	21	19	18	17	
54 to 57	I	54	52	50	48	46	43	41	39	37	35	33	32	30	29	27	26	25	24	22	21	19	18	
58 to 61	O	58	55	53	51	49	46	44	42	39	37	35	34	32	31	29	28	27	25	24	23	21	20	
62 to 66	U	62	59	57	55	52	49	47	44	42	40	38	36	34	33	31	30	29	27	26	24	22	21	
67 to 71	S	67	64	61	59	56	53	50	48	46	43	41	39	37	36	34	33	32	30	29	27	26	24	
72 to 76	C	72	68	65	63	60	56	53	51	49	46	44	42	40	39	37	36	35	33	32	30	28	27	
77 to 81	O	76	73	70	67	63	60	57	54	52	49	47	45	43	42	40	39	37	36	35	33	31	30	
82 to 86	D	81	77	74	71	67	63	60	57	55	52	50	48	46	44	43	41	40	38	37	36	34	33	
87 to 91	E	86	81	77	74	70	66	63	60	57	55	52	50	48	47	45	44	42	41	40	38	36	35	
92 to 97		91	86	82	78	74	69	66	63	60	58	55	53	51	49	48	46	45	44	42	41	39	38	
98 to 103		96	91	86	82	78	73	69	66	63	61	58	56	54	52	50	49	48	46	45	43	42	40	
104 to 109		102	95	90	86	81	76	72	69	66	63	61	58	56	54	53	51	50	49	47	46	44	43	
110 to 115		107	100	95	90	85	79	75	72	69	66	63	61	59	57	55	54	52	51	49	48	46	45	
116 to 122		113	105	99	94	88	82	78	75	71	68	66	63	61	59	58	56	55	53	52	50	48	47	
123 to 129		119	110	103	98	92	86	81	77	74	71	68	65	63	61	60	58	57	55	54	52	51	49	
130 to 137		125	115	107	102	95	89	84	80	77	73	70	68	66	64	62	60	59	57	56	54	53	51	
138 to 145		132	120	112	105	98	92	87	83	79	76	73	70	68	66	64	63	61	60	58	57	55	54	
146 to 154		139	125	116	109	102	94	89	85	81	78	75	72	70	68	66	65	63	62	60	59	57	56	
155 to 163		145	130	120	113	104	97	91	87	83	80	77	74	72	70	68	67	65	63	62	60	59	57	
164 to 173		152	135	124	116	107	99	94	89	85	82	79	76	74	72	70	68	67	65	64	62	61	59	
174 to 185		160	140	127	119	110	102	96	91	87	84	80	78	75	73	72	70	69	67	66	64	62	61	
186 to 199		167	144	131	122	112	104	98	93	89	86	82	80	77	75	74	72	70	69	67	66	64	63	
200 to 217		176	149	135	125	115	106	100	95	91	87	84	81	79	77	75	74	72	71	69	68	66	65	
218 to 241		184	154	138	128	117	108	102	97	93	89	86	83	81	79	77	76	74	73	71	70	68	67	
242 or more		192	158	141	130	120	110	104	99	95	91	88	85	83	81	79	78	76	75	73	72	70	69	

Enter Table 2A with yesterday's DUFF MOISTURE CODE (DMC) (Column 12) and today's RAINFALL (Column 4) to determine the INITIAL DUFF MOISTURE CODE. Write the INITIAL DMC in Column 10. If the DMC for yesterday is not available, use the last calculated DMC.

Table 2B

DUFF MOISTURE CODE

Temp. (°F)	Relative Humidity	Month						
		April	May	June	July	August	September	October
		Drying Factor						
42 or Less	—	1	1	1	1	0	0	0
43 to 51	0 to 52 53 +	1	1	1	1	1	1	1
52 to 59	0 to 42 43 to 73 74 +	2 1 1	2 2 1	2 2 1	2 1 1	2 1 1	2 1 1	1 1 0
60 to 67	0 to 32 33 to 52 53 to 73 74 +	3 3 2 1	4 3 2 1	4 3 2 1	3 3 2 1	3 2 1 1	2 2 1 1	2 2 1 1
68 to 75	0 to 32 33 to 52 53 to 73 74 +	4 3 2 1	4 3 2 1	4 3 2 1	4 3 2 1	3 3 2 1	3 2 2 1	3 2 1 1
76 to 83	0 to 27 28 to 42 43 to 58 59 to 73 74 +	5 4 3 2 1	6 5 4 2 1	6 5 4 2 1	5 4 3 2 1	4 4 3 2 1	4 3 2 2 1	3 3 2 1 1
84 to 91	0 to 22 23 to 37 38 to 53 54 to 68 69 +	6 5 4 3 2	7 6 5 3 2	7 6 5 3 2	6 5 4 3 2	5 5 4 3 2	5 4 3 2 1	4 3 3 2 1
92 to 99	0 to 17 18 to 29 30 to 41 42 to 53 54 to 65 66 +	8 7 6 5 4 3	8 7 6 5 4 3	8 7 6 5 4 3	7 7 6 4 3 3	6 6 5 4 3 2	6 5 4 3 3 2	5 4 4 3 2 2
100 or more	0 to 17 18 to 29 30 to 41 42 to 53 54 to 65 66 +	8 8 6 5 4 3	9 8 7 6 4 3	9 8 7 6 4 3	8 7 6 5 4 3	7 6 5 4 3 2	6 6 5 4 3 2	5 5 4 3 2 2

Enter Table 2B with DRY-BULB TEMPERATURE (Column 1), RELATIVE HUMIDITY (Column 2) and MONTH, to determine the DRYING FACTOR. Write the DRYING FACTOR in Column 11.

Add the DRYING FACTOR (Column 11) to the INITIAL DUFF MOISTURE CODE (Column 10) and write the result in Column 12. This is today's DUFF MOISTURE CODE (DMC).

Table 3B

DROUGHT CODE

Temperature (°F)	Month							
	April	May	June	July	August	September	October	November March
	<u>Drying Factor</u>							
42 or less	2	3	4	4	4	2	1	0
43 to 51	3	4	5	5	4	3	2	1
52 to 59	3	4	5	6	5	4	3	2
60 to 67	4	5	6	7	6	5	4	3
68 to 75	5	6	7	8	7	5	4	4
76 to 83	6	7	8	8	8	6	5	4
84 to 91	7	8	9	9	8	7	6	5
92 to 99	7	8	9	10	9	8	7	6
100 or more	8	9	10	11	10	9	8	7

Enter Table 3B with DRY-BULB TEMPERATURE (Column 1) and MONTH to determine the DRYING FACTOR. Write the DRYING FACTOR in Column 14.

Add the DRYING FACTOR (Column 14) to the INITIAL DROUGHT CODE (Column 13) and write the result in Column 15. This is today's DROUGHT CODE (DC).

Table 4

INITIAL SPREAD INDEX

Wind Speed M.P.H.	Today's Fine Fuel Moisture Code										Initial Spread Index																						
	0 to 32	33 to 37	38 to 42	43 to 47	48 to 52	53 to 57	58 to 62	63 to 67	68 to 72	73 to 77	78 to 80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99			
0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.5	3	3	4	4	5	6	6	7	8	10	11	13	14		
1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.5	3	3	4	4	5	5	6	6	7	8	10	12	14	16		
2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.0	1.5	1.5	1.5	2.0	2.0	3	3	3	4	4	4	5	6	6	7	9	10	11	13	15	17	
3	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0	1.5	1.5	1.5	2.0	2.0	2.5	3	3	3	4	4	4	5	5	6	7	8	9	11	12	14	16	18
4	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0	1.5	1.5	2.0	2.0	2.5	3	3	3	3	4	4	4	5	6	7	8	9	10	12	13	15	17	20
5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.0	2.0	3	3	3	3	4	4	4	5	6	6	7	8	9	11	12	14	16	19	22
6	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.0	2.5	3	3	4	4	4	5	5	6	7	8	9	10	12	14	16	18	21	24	
7	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0	1.5	2.0	2.0	2.5	3	3	4	4	4	5	6	6	7	8	9	10	11	13	15	17	19	22	26	
8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0	1.5	2.0	2.5	3	3	4	4	5	5	5	6	7	8	9	11	12	14	16	18	21	24	28		
9	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.0	1.5	2.0	3	3	4	4	5	5	6	7	8	9	10	11	13	15	17	20	23	26	30				
10	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.5	3	3	4	4	5	6	6	7	8	9	11	12	14	16	19	22	25	28	33			
11	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0	1.5	2.0	3	3	3	4	4	5	6	7	8	9	10	12	13	15	18	20	23	27	31	35			
12	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.0	1.5	2.0	3	3	4	4	5	6	7	7	8	9	10	11	13	15	17	19	22	25	29	33	38		
13	0.0	0.0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	3	4	4	4	5	6	6	7	8	9	11	12	14	16	18	21	24	27	32	36	42		
14	0.0	0.0	0.5	0.5	0.5	0.5	1.0	1.5	2.5	3	4	4	5	5	6	7	8	9	10	11	13	15	17	20	23	26	30	34	39	45			
15	0.0	0.0	0.5	0.5	0.5	1.0	1.0	1.5	2.0	3	4	4	5	5	6	7	7	8	10	11	12	14	16	19	21	24	28	32	37	43	49		
16	0.0	0.0	0.5	0.5	0.5	1.0	1.0	1.5	2.0	3	4	4	5	6	6	7	8	9	10	12	13	15	18	20	23	27	30	35	40	46	53		
17	0.0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	3	4	5	5	6	7	8	9	10	11	13	15	17	19	22	25	29	33	38	44	50	58		
18	0.0	0.5	0.5	0.5	1.0	1.0	1.5	1.5	2.5	3	5	5	6	7	7	8	9	11	12	14	16	18	21	24	27	31	36	41	47	54	62		
19	0.0	0.5	0.5	0.5	1.0	1.0	1.5	2.0	3	4	5	6	6	7	8	9	10	12	13	15	17	20	22	26	30	34	39	45	51	59	68		
20	0.0	0.5	0.5	0.5	1.0	1.0	1.5	2.0	3	4	5	6	7	8	9	10	11	13	14	16	19	21	24	28	32	37	42	48	56	64	73		
21	0.0	0.5	0.5	1.0	1.0	1.5	1.5	2.0	3	4	6	7	7	8	9	11	12	14	15	18	20	23	26	30	35	40	46	52	60	69	80		
22	0.0	0.5	0.5	1.0	1.0	1.5	2.0	2.5	3	4	6	6	7	8	9	10	12	13	15	17	19	22	25	29	33	38	43	50	57	65	75	86	
23	0.0	0.5	0.5	1.0	1.0	1.5	2.0	3	4	5	7	8	9	10	11	12	14	16	18	21	24	27	31	36	41	47	54	62	71	81	94		
24	0.0	0.5	0.5	1.0	1.5	1.5	2.0	3	4	5	7	9	10	11	12	14	15	17	20	23	26	29	34	39	44	51	58	67	77	88	101		
25	0.0	0.5	1.0	1.0	1.5	2.0	2.5	3	4	6	8	9	10	12	13	15	17	19	21	24	28	32	37	42	48	55	63	73	83	96	110		
26	0.0	0.5	1.0	1.0	1.5	2.0	3	4	6	9	10	11	13	14	16	18	20	22	23	26	30	35	40	45	52	60	69	79	90	104	119		
27	0.0	0.5	1.0	1.5	1.5	2.0	3	4	5	7	9	11	12	14	15	17	20	22	25	29	33	37	43	49	56	65	74	85	98	113	129		
28	0.0	0.5	1.0	1.5	2.0	2.5	3	4	5	7	10	12	13	15	17	19	21	24	27	31	36	41	47	53	61	70	81	93	106	122	140		
29	0.0	0.5	1.0	1.5	2.0	3	4	6	8	11	13	14	16	18	20	23	26	30	34	39	44	51	58	66	76	87	100	115	133	152			
30	0.0	1.0	1.0	1.5	2.0	3	4	5	6	9	12	14	16	17	20	22	25	28	32	37	42	48	55	63	72	83	95	109	125	144	165		

Enter Table 4 with today's WIND SPEED (Column 3) and FINE FUEL MOISTURE CODE (Column 9). Write the result in Column 16. This is today's INITIAL SPREAD INDEX (ISI).

It is important to note that wind speeds used in the Forest Fire Weather Index apply to measurements made in forest clearings. The use of wind speeds measured in open areas (such as airports and lookout towers) may give spread values which are too high. This potential difficulty should be considered when interpreting the values given in the INITIAL SPREAD INDEX (ISI).

The ISI is not applicable for wind speeds in excess of 30 m.p.h. If higher values are observed, one can assume that the relative spread will be faster than is indicated by the values given in the 30 m.p.h. class. Since such occurrences are uncommon at most stations across Canada, and since fire control organizations will presumably be at their maximum state of preparedness under such conditions, a continuation of the ISI table was not considered necessary.

Table 6

FIRE WEATHER INDEX

Today's Initial Spread Index	Today's Adjusted Duff Moisture Code																	
	0 to 1	2 to 3	4 to 5	6 to 7	8 to 9	10 to 11	12 to 14	15 to 17	18 to 20	21 to 23	24 to 26	27 to 30	31 to 34	35 to 38	39 to 42	43 to 47	48 to 52	53 to 57
	Fire Weather Index																	
0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.5	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
1.0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	3	3	3
1.5	0	0	1	1	1	1	1	2	2	2	3	3	3	4	4	4	5	5
2.0	0	1	1	1	1	2	2	3	3	3	4	4	4	5	5	6	6	6
2.5	1	1	1	2	2	3	3	3	4	4	5	5	6	6	6	7	7	8
3	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9
4	1	2	3	3	4	4	5	6	6	7	7	8	9	9	10	10	11	12
5	2	2	4	4	5	6	6	7	8	8	9	10	10	11	12	13	13	14
6	2	3	4	5	6	7	7	8	9	10	10	11	12	13	14	14	15	16
7	3	4	5	6	7	8	8	9	10	11	12	13	14	15	15	16	17	18
8	3	4	6	7	8	9	10	11	11	12	13	14	15	16	17	18	19	20
9	4	5	7	8	9	9	10	12	13	14	14	15	17	18	19	20	21	22
10	4	5	7	8	9	10	11	13	14	15	16	17	18	19	20	21	22	23
11	5	6	8	9	10	11	12	14	15	16	17	18	19	20	21	23	24	25
12	5	6	9	10	11	12	13	15	16	17	18	19	20	22	23	24	25	27
13	6	7	9	11	12	13	14	15	17	18	19	20	22	23	24	25	27	28
14	6	7	10	11	12	14	15	16	18	19	20	21	23	24	25	27	28	29
15 to 16	7	8	11	12	13	15	16	18	19	20	22	23	25	26	27	29	30	32
17 to 18	7	9	12	13	15	16	18	19	21	22	24	25	27	28	30	31	33	34
19 to 20	8	10	13	15	16	17	19	21	23	24	25	27	29	30	32	33	35	37
21 to 22	9	10	14	16	17	19	21	22	24	26	27	29	31	32	34	36	37	39
23 to 24	9	11	15	17	18	20	22	24	26	27	29	31	33	34	36	38	40	41
25 to 26	10	12	16	18	20	21	23	25	27	29	31	32	34	36	38	40	42	44
27 to 29	11	13	17	19	21	23	25	27	29	31	33	35	37	39	40	42	44	46
30 to 32	12	14	18	21	23	24	27	29	31	33	35	37	39	41	43	45	47	49
33 to 35	13	15	19	22	24	26	28	31	33	35	37	39	41	44	46	48	50	52
36 to 38	14	16	21	23	26	28	30	33	35	37	39	41	44	46	48	50	53	55
39 to 42	15	17	22	25	27	29	32	35	37	39	41	44	46	49	51	53	56	58
43 to 46	16	18	24	26	29	31	34	37	39	42	44	47	49	52	54	57	59	62
47 to 51	17	20	25	28	31	33	36	39	42	44	47	49	52	55	57	60	63	66
52 to 57	18	21	27	30	33	36	39	42	45	48	50	53	56	59	61	64	67	70
58 to 64	20	23	29	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75
65 to 72	22	25	32	35	39	42	45	48	52	55	58	61	64	67	70	74	77	80
73 to 81	23	27	34	38	42	45	48	52	56	59	62	65	69	72	75	79	82	86
82 to 91	25	29	37	41	45	48	52	56	60	63	67	70	74	77	81	84	88	92
92 to 102	28	31	40	44	48	52	56	60	64	68	71	75	79	83	86	90	94	98
103 to 114	30	34	43	48	52	55	60	64	69	73	76	80	84	88	92	96	100	104
115 to 128	32	37	46	51	56	59	64	69	73	78	81	86	90	94	98	103	107	111
129 to 144	35	39	50	55	60	64	69	74	79	83	87	92	96	101	105	110	114	119
145 to 163	38	43	53	59	64	69	74	79	84	89	93	98	103	108	113	117	122	127
164 to 185	41	46	58	64	69	74	79	85	91	96	100	106	111	116	121	126	131	136

Enter Table 6 with today's INITIAL SPREAD INDEX (ISI) (Column 16) and today's ADJUSTED DUFF MOISTURE CODE (ADMC) (Column 17). Write the result in Column 18. This is today's FIRE WEATHER INDEX (FWI).

Table 6 (continued)

FIRE WEATHER INDEX

Today's Initial Spread Index	Today's Adjusted Duff Moisture Code																	
	58 to 63	64 to 69	70 to 75	76 to 82	83 to 89	90 to 97	98 to 105	106 to 114	115 to 123	124 to 133	134 to 144	145 to 156	157 to 169	170 to 183	184 to 199	200 to 217	218 to 237	238 to 259
	Fire Weather Index																	
0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.5	1	1	1	2	2	2	2	2	3	3	3	3	4	4	4	4	5	5
1.0	3	4	4	4	4	5	5	5	6	6	6	7	7	8	8	9	9	10
1.5	5	6	6	6	7	7	7	8	8	9	9	10	10	11	11	12	13	13
2.0	7	7	8	8	9	9	10	10	11	11	12	12	13	14	14	15	16	17
2.5	8	9	9	10	10	11	12	12	13	13	14	15	15	16	17	18	19	20
3	10	10	11	12	12	13	13	14	15	15	16	17	18	19	19	20	21	22
4	12	13	14	14	15	16	17	17	18	19	20	21	22	23	24	25	26	27
5	15	16	16	17	18	19	20	21	21	22	23	24	25	27	28	29	30	32
6	17	18	19	20	20	21	22	23	24	25	26	28	29	30	31	33	34	36
7	19	20	21	22	23	24	25	26	27	28	29	31	32	33	35	36	38	40
8	21	22	23	24	25	26	27	29	30	31	32	33	35	37	38	39	41	43
9	23	24	25	26	27	28	30	31	32	33	35	36	38	39	41	43	44	47
10	24	26	27	28	29	31	32	33	34	36	37	39	40	42	44	46	48	50
11	26	27	29	30	31	33	34	35	37	38	40	41	43	45	46	48	50	53
12	28	29	30	32	33	34	36	37	39	40	42	44	45	47	49	51	53	56
13	29	31	32	33	35	36	38	39	41	42	44	46	48	50	52	54	56	58
14	31	32	34	35	37	38	40	41	43	45	46	48	50	52	54	56	59	61
15 to 16	33	35	36	38	39	41	42	44	46	48	49	51	53	56	57	60	62	65
17 to 18	36	37	39	41	42	44	46	48	49	51	53	55	57	60	62	64	67	70
19 to 20	38	40	42	44	45	47	49	51	53	55	57	59	61	64	66	69	72	75
21 to 22	41	43	45	46	48	50	52	54	56	58	60	63	65	68	70	73	76	79
23 to 24	43	45	47	49	51	53	55	57	59	61	64	66	69	72	74	77	80	83
25 to 26	46	48	50	52	54	56	58	60	62	65	67	69	72	75	78	81	84	87
27 to 29	48	51	53	55	57	59	61	64	66	68	71	73	76	79	82	85	89	92
30 to 32	52	54	56	58	61	63	65	68	70	73	75	78	81	84	87	90	94	98
33 to 35	55	57	59	62	64	66	69	72	74	77	80	82	85	89	92	95	99	103
36 to 38	58	60	62	65	67	70	73	75	78	81	84	87	90	93	96	100	104	108
39 to 42	61	63	66	69	71	74	77	79	82	85	88	91	95	98	102	105	110	114
43 to 46	64	67	70	72	75	78	81	84	87	90	93	96	100	104	107	111	116	120
47 to 51	68	71	74	77	80	83	86	89	92	95	98	102	105	110	113	117	122	127
52 to 57	73	76	79	82	85	88	91	94	98	101	105	108	112	117	120	125	129	135
58 to 64	78	81	84	87	91	94	97	101	104	108	111	115	119	124	128	133	138	143
65 to 72	83	87	90	93	97	100	104	108	111	115	119	123	127	132	136	142	147	153
73 to 81	89	93	96	100	104	107	111	115	119	123	127	131	136	141	146	151	157	163
82 to 91	95	99	103	107	111	115	119	123	127	131	135	140	145	151	155	161	167	173
92 to 102	102	106	110	114	118	122	126	131	135	140	144	149	154	160	165	171	177	184
103 to 114	109	113	117	121	126	130	135	139	144	148	153	159	164	170	175	182	188	196
115 to 128	116	120	125	129	134	138	143	148	153	158	163	169	174	181	186	193	200	208
129 to 144	124	128	133	138	143	148	153	158	163	168	174	180	186	193	198	205	213	221
145 to 163	132	137	142	147	152	158	163	168	174	180	185	192	198	205	211	219	227	235
164 to 185	142	147	152	158	163	169	174	180	186	192	198	205	211	219	226	234	242	251

Column 19 is provided so that you may indicate the Fire Weather Index Class. (See page 4).

MONTHLY RECORD FOREST FIRE WEATHER INDEX

STATION ELEVATION 1240 feet
OBSERVER John Doe

STATION Poplar Grove
MONTH June YEAR 1969

DATE	Weather at 1200 LST						TABLE 1				TABLE 2			TABLE 3			TABLE 4	TABLE 5	TABLE 6	INDEX CLASS
	TEMPERATURE		RH %	WIND Dir./Speed	RAIN INCHES	REMARKS	Initial FFMC	Drying Code	TEMP. ADJUST. MENT	FFMC	Initial DMC	Drying Factor	DMC	Initial DC	Drying Factor	DC	ISI	ADMC	FWI	
	WB °F	DB °F																		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
30/31							82				24			153						
1	62	64	90	SW 2	.13		35	43	-4	39	19	1	20	152	6	158	0.0	29	0	
2	67	72	78	SW 6			39	60	0	60	20	1	21	158	7	165	0.5	33	1	
3	66	72	74	SW 6			60	74	0	74	21	1	22	165	7	172	1.0	33	2	
4	70	79	65	SW 4	.02		74	82	+2	84	22	2	24	172	8	180	3	36	7	
5	56	81	18	S 10			84	92	+1	93	24	6	30	180	8	188	14	42	25	
6	69	73	82	N 9	.27		27	52	0	52	18	1	19	174	7	181	0.5	31	1	
7	70	76	75	SW 8			52	69	+3	72	19	1	20	181	8	189	1.0	31	2	
8	54	73	28	SW 14			72	87	0	87	20	4	24	189	7	196	9	36	18	
9	62	63	95	S 2			87	82	0	82	24	1	25	196	6	202	1.5	40	4	
10	70	79	65	SW 8	.06		59	76	+3	79	24	2	26	202	8	210	2.0	40	5	
11	56	74	32	NW 14			79	88	0	88	26	4	30	210	7	217	10	43	21	
12	66	74	67	SW 10			88	87	0	87	30	2	32	217	7	224	6	46	14	
13	62	64	90	NE 5			87	82	0	82	32	1	33	224	6	230	2.0	48	6	
14	58	58	100	SW 10	.33		21	42	-5	37	16	1	17	211	5	216	0.0	29	0	
15	60	70	57	W 14	.20		12	68	0	68	10	2	12	207	7	214	1.5	21	2	
16	58	68	56	NW 10			68	83	0	83	12	2	14	214	7	221	4	24	7	
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30																				
31																				

**RELATIVE HUMIDITY TABLES
FOR
VENTILATED THERMOMETER OBSERVATIONS**

RELATIVE HUMIDITY TABLE
For Stations less than 1,000 feet Elevation

	Dry-Bulb Temperature																															
	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58		59	60	61	62	63	64	
24	10	5														94	87	81	76	70	65	61	56	52	49	44	41	37	34	31	49	
25	18	12	8													94	87	82	77	70	65	62	57	53	50	45	42	38	36	50		
26	26	20	15	10	7											94	87	82	77	70	67	63	57	54	50	46	43	39	51			
27	34	28	22	17	13	9										94	87	82	77	71	67	63	58	54	51	47	44	52				
28	42	36	30	25	19	15	11									94	87	82	78	72	68	64	59	55	51	48	53					
29	49	43	37	32	27	22	17	14	9	6						95	87	83	78	72	68	64	60	56	52	54						
30	57	51	45	39	34	29	23	19	16	11	8										95	88	83	79	73	69	64	60	56	55		
31	66	59	53	47	41	35	31	25	21	18	13	10	7								95	88	83	79	74	69	65	61	56	56		
32	73	66	60	54	48	42	33	29	26	18	16	14	6								95	88	84	79	74	70	65	57				
33	82	74	66	58	52	46	39	34	30	24	20	16	11	8	5							95	88	84	79	74	70	58				
34	91	82	74	67	60	53	48	40	36	31	25	22	18	13	10	7							95	89	84	79	75	59				
35	91	83	75	67	60	54	49	42	37	33	27	23	20	15	12	9	5							95	89	84	80	60				
36		92	83	75	69	61	55	50	43	39	34	29	25	21	17	14	11	7	5						95	90	85	61				
37			92	83	76	70	62	56	51	44	40	36	30	26	23	18	15	13	9	7						95	90	62				
38				92	83	77	70	63	57	52	45	41	35	31	28	25	20	17	14	11	8	6					95	63				
39					92	84	77	71	63	58	53	47	42	38	33	29	26	21	19	16	12	10	7	5								
40						92	84	78	72	64	59	54	48	43	39	34	31	27	23	20	18	14	12	9	6							
41							93	84	78	72	65	60	55	49	45	41	35	32	29	24	22	19	15	13	11	8	6					
42								93	85	78	73	66	61	56	50	46	42	37	33	30	26	23	20	17	15	12	10	7	6			
43									93	85	79	73	66	61	57	51	47	43	38	34	31	27	24	22	18	16	13	11	10			
44										93	85	79	74	67	62	58	52	48	44	39	36	33	28	26	23	20	17	15	13			
45											93	85	80	74	68	63	58	53	49	45	40	37	34	30	27	24	21	19	16			
46												94	86	80	75	68	64	59	53	50	46	41	38	35	31	27	25	22	20			
47													94	86	81	75	69	64	60	54	50	47	42	39	36	32	29	26	24			
48															94	86	81	76	69	65	61	55	51	48	43	40	36	33	30	28		

INSTRUCTIONS FOR USING THE RELATIVE HUMIDITY TABLES

- Find the dry-bulb temperature in the top line of tables.
- In the columns headed "Wet-bulb Temperature" find the wet-bulb temperature reading.
- The figure in line with the wet-bulb reading and in the proper dry-bulb column is the relative humidity. If the wet-bulb and dry-bulb temperatures are the same the relative humidity is 100 per cent.

Examples

- Dry-bulb 49, wet-bulb 48, humidity is 94 per cent.
- Dry-bulb 50, wet-bulb 49, humidity is 94 per cent.
- Dry-bulb 80, wet-bulb 64, humidity is 42 per cent.
- Dry-bulb 96, wet-bulb 93, humidity is 89 per cent.

RELATIVE HUMIDITY TABLE

For Stations less than 1,000 feet Elevation

	Dry-Bulb Temperature																Dry-Bulb Temperature																		
	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79		80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98
Wet-Bulb Temperature	43	7															52	5																	
	44	10 8 6 5															53	7 6 5																	
	45	14 12 10 8 6															54	9 9 8 6 5																	
	46	17 15 13 11 9 8 6															55	12 11 10 8 7 6 5																	
	47	21 19 17 14 13 10 9 7 6															56	14 13 12 11 9 8 7 6 5 5																	
	48	25 22 20 18 15 14 12 10 8 7 5															57	17 15 14 13 11 10 9 8 7 6 5 5																	
	49	29 26 24 21 19 17 15 13 11 9 8 6 5															58	19 18 16 15 13 12 11 10 9 8 7 6 5 5																	
	50	32 30 27 25 22 20 18 16 14 13 11 9 8 7 5															59	22 20 19 17 16 14 13 12 11 10 9 8 7 6 6 5																	
	51	36 33 31 28 26 23 21 19 17 15 14 12 11 9 8 6 5															60	24 23 21 20 18 17 16 14 13 12 11 9 9 8 7 6 6 5																	
	52	40 37 34 32 29 27 24 22 20 18 16 15 13 12 10 9 7 6															61	27 25 23 22 20 19 18 16 15 14 13 12 11 10 9 8 7 6																	
	53	45 41 38 35 33 30 28 25 23 21 19 17 16 14 13 11 10 8															62	29 28 26 24 22 21 20 18 17 16 15 14 13 12 11 10 9 8																	
	54	49 45 42 39 36 34 31 29 26 24 22 21 18 17 15 14 12 11															63	32 30 28 26 25 23 22 21 19 18 17 16 14 13 12 11 10 10																	
	55	53 49 46 43 40 37 35 32 30 27 25 23 22 19 18 16 15 13															64	35 33 31 29 27 26 24 23 21 20 19 17 16 15 14 13 12 11																	
	56	57 54 50 47 44 41 38 36 33 31 28 26 24 22 20 19 17 16															65	38 35 34 31 30 28 27 25 24 22 21 19 18 17 16 15 14 13																	
	57	62 58 54 51 48 44 42 39 36 34 32 29 27 25 23 21 20 18															66	41 38 36 34 32 31 29 27 26 24 23 21 20 19 18 17 16 15																	
	58	66 62 58 55 51 48 45 43 39 37 34 32 30 28 26 24 22 21															67	44 41 39 37 35 33 31 29 28 26 25 24 22 21 20 18 17 16																	
	59	71 66 63 59 56 52 49 46 43 40 38 35 33 31 29 27 25 23															68	47 44 42 40 38 36 34 32 30 29 27 26 24 23 22 20 19 18																	
	60	75 71 67 63 59 56 53 50 47 44 41 39 36 34 32 30 27 26															69	50 47 45 43 40 38 36 34 33 31 29 28 26 25 24 22 21 20																	
	61	80 76 71 67 62 60 57 53 50 47 45 42 40 37 35 32 31 28															70	53 50 48 45 43 41 39 37 35 33 32 30 28 27 26 24 23 22																	
	62	85 80 76 72 68 84 60 57 54 51 48 45 42 40 38 36 33 31															71	56 53 51 48 46 43 42 40 38 36 34 32 31 29 28 26 25 24																	
	63	90 85 81 76 72 68 65 61 58 54 52 48 46 43 41 38 36 34															72	59 56 54 51 49 46 44 42 40 38 36 35 33 31 30 28 27 25																	
	64	95 90 85 81 77 73 69 65 61 58 55 52 49 47 44 42 39 37															73	63 59 57 54 52 49 47 45 43 41 39 37 35 33 32 30 29 27																	
	65	95 90 85 81 77 73 69 66 62 59 56 53 50 47 44 42 40															74	66 63 60 57 55 52 50 48 45 43 41 39 37 36 34 32 31 29																	
	66	95 90 86 81 77 73 69 66 62 59 56 53 50 47 44 42 40															75	69 66 63 60 58 55 53 51 48 46 44 42 40 38 36 35 33 31																	
	67	95 90 86 82 77 74 70 66 63 60 57 54 51 49 46															76	73 70 66 64 62 58 56 53 51 49 46 44 42 40 39 37 35 34																	
	68	91 86 82 78 74 70 67 63 60 57 54 51 49															77	77 73 70 67 64 61 59 56 54 51 49 47 45 43 41 39 37 36																	
	69	95 91 86 82 78 74 70 67 63 60 57 54 51 49															78	80 77 73 70 67 64 61 59 56 54 52 49 47 45 43 41 40 38																	
	70	95 91 86 82 78 75 71 68 64 61 58 56															79	84 80 77 73 71 68 65 62 59 57 54 52 50 48 46 44 42 40																	
	71	95 91 86 83 78 75 71 68 65 62 59															80	88 84 80 77 74 71 68 65 62 60 57 55 53 50 48 46 44 42																	
	72	95 91 87 83 79 75 71 68 65 62															81	92 88 84 81 77 74 71 68 65 63 60 58 55 53 51 49 47 45																	
	73	95 91 87 83 79 76 72 69 65															82	96 92 88 85 81 78 75 71 69 66 63 60 58 56 53 51 49 47																	
	74	95 91 87 83 79 76 72 69															83	96 92 88 85 82 78 74 72 69 66 63 61 58 56 54 52 49																	
	75	95 91 87 83 79 76 72															84	96 92 88 85 82 78 75 72 69 66 64 61 59 56 54 52																	
	76	95 91 87 84 80 76															85	96 92 88 85 82 78 75 72 69 67 64 61 59 57 54																	
	77	95 91 87 84 80															86	96 92 88 85 82 79 75 73 70 67 64 62 59 57																	
	78	96 92 87 84															87	96 92 88 85 82 79 76 73 70 67 65 62 60																	
	79	96 92 88															88	96 92 89 85 82 79 76 73 70 67 65 62																	
	80	96 92															89	96 93 89 85 82 79 76 73 70 68 65																	
	81	96															90	96 93 89 86 82 79 76 73 71 68																	
																	91	96 93 89 86 83 79 76 74 71																	
																	92	96 93 89 86 83 80 77 74																	
																	93	96 93 89 86 83 80 77																	
																	94	96 93 89 86 83 80																	
																	95	96 93 89 86 83																	
																	96	96 93 90 86																	
																	97	96 93 90																	
																	98	96 93																	
																	99	96																	

RELATIVE HUMIDITY TABLE
For Stations 1,000 to 2,500 feet Elevation

		Dry-Bulb Temperature																																	
		35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64				
Wet-Bulb Temperature	23	6															93	87	82	76	71		66	62	57	53	50	46	42	39	36	33	49		
	24	13	9														93	87	82	77			71	67	62	58	54	50	47	43	40	37	50		
	25	21	15	11	6														93	88	82			77	72	67	63	59	55	51	48	44	41	51	
	26	28	22	17	13	9	5														94	88	83	77	72	68	64	59	55	52	48	45	52		
	27	35	30	25	19	16	11	8														94	88	83	78	73	69	64	60	56	53	49	53		
	28	43	38	32	27	22	18	14	9	6													94	89	83	78	74	69	65	61	57	53	54		
	29	51	46	39	34	29	24	20	16	11	8	6												95	89	84	79	74	69	65	61	57	55		
	30	58	53	46	40	36	30	25	22	18	13	11	7												95	89	84	79	74	70	66	62	56		
	31	66	61	54	48	42	37	32	27	24	20	16	13	9												95	89	84	79	75	70	66	57		
	32	74	67	61	52	48	44	35	31	29	21	18	17	9	10												95	89	84	80	75	71	58		
	33	82	75	67	60	54	48	41	36	32	27	22	19	14	11	8												95	89	85	80	76	59		
	34	91	82	75	68	61	55	48	42	38	33	28	24	20	16	13	10	6											95	90	85	80	60		
	35		91	82	76	68	61	56	49	44	39	34	29	26	22	18	15	11	8	6										95	90	85	61		
	36			91	83	76	69	63	57	51	46	40	36	31	27	23	19	16	13	10	7	5								95	90	62			
	37				92	84	77	70	63	58	52	46	42	37	32	29	25	21	18	15	12	9	7							95	90	63			
	38					92	85	77	71	65	58	53	48	43	38	34	30	26	22	19	17	13	11	8	6										
39						92	85	78	71	65	59	54	49	44	39	35	31	28	24	21	18	15	12	10	7	5									
40							92	85	78	72	65	60	55	50	45	41	36	33	29	25	22	19	16	14	12	9	7	5							
41								92	85	79	72	66	61	56	51	46	41	37	34	30	26	24	21	18	15	13	11	9	6						
42									92	85	79	74	67	62	56	51	47	43	39	35	31	28	25	22	19	17	15	12	10	8					
43										92	85	80	74	68	62	57	53	48	44	40	36	33	29	26	24	20	18	16	13	11					
44											93	86	80	74	68	63	59	54	49	45	41	37	34	30	28	25	22	19	17	15					
45												93	86	80	74	68	64	59	54	50	46	42	38	35	32	29	26	23	21	19					
46													93	86	81	75	70	64	60	55	51	47	43	39	36	33	30	27	24	22					
47														93	86	81	75	70	65	60	56	52	48	44	40	37	34	31	28	25					
48															93	87	81	76	70	66	61	56	53	49	45	41	38	35	32	29					

INSTRUCTIONS FOR USING THE RELATIVE HUMIDITY TABLES

- Find the dry-bulb temperature in the top line of tables.
- In the columns headed "Wet-bulb Temperature" find the wet-bulb temperature reading.
- The figure in line with the wet-bulb reading and in the proper dry-bulb column is the relative humidity. If the wet-bulb and dry-bulb temperatures are the same the relative humidity is 100 per cent.

Examples

- Dry-bulb 49, wet-bulb 48, humidity is 93 per cent.
- Dry-bulb 50, wet-bulb 49, humidity is 93 per cent.
- Dry-bulb 80, wet-bulb 64, humidity is 43 per cent.
- Dry-bulb 96, wet-bulb 93, humidity is 89 per cent.

RELATIVE HUMIDITY TABLE

For Stations 1,000 to 2,500 feet Elevation

	Dry-Bulb Temperature																		
	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	
43		9	8	6															
44		12	11	9	7	5													
45		16	14	12	10	8	6	5											
46		19	17	15	13	11	10	8	6	6									
47		23	21	19	17	14	13	11	9	8	7	5							
48		26	24	22	20	18	16	14	12	10	9	8	6						
49		30	28	25	23	21	19	17	15	13	11	10	9	7	6	5			
50		34	31	29	26	24	22	20	18	16	14	12	11	10	8	7	6		
51		38	35	32	30	27	25	23	21	19	17	15	14	12	10	10	9	7	6
52		42	39	36	33	30	28	26	24	22	20	18	17	15	13	12	11	10	8
53		46	43	40	37	34	31	29	27	25	23	21	19	18	16	14	13	12	11
54		50	47	44	41	38	35	32	30	28	26	24	22	20	19	17	15	14	13
55		54	51	47	44	41	38	36	33	31	29	27	25	23	21	20	18	16	15
56		58	55	51	48	45	42	39	37	34	32	30	28	26	24	23	20	18	17
57		62	59	55	52	49	46	43	40	38	35	33	31	29	27	25	23	21	20
58		67	63	59	56	53	49	46	44	41	38	36	34	32	29	27	26	24	22
59		71	67	63	60	56	53	50	47	44	41	39	37	35	32	30	28	27	25
60		76	72	68	64	60	57	54	51	48	45	42	40	38	35	33	31	29	27
61		80	76	72	68	64	61	58	54	51	48	46	43	41	38	36	34	32	30
62		85	81	76	72	68	65	61	58	55	52	49	46	44	41	39	37	35	33
63		90	85	81	77	73	69	65	62	59	56	53	49	47	44	42	40	37	35
64		95	90	86	81	77	73	69	66	62	59	56	53	50	48	45	43	40	38
65			95	90	86	81	77	74	70	66	63	60	57	54	51	48	46	43	41
66				95	90	86	82	78	74	70	67	64	60	57	54	51	49	46	44
67					95	91	86	82	78	74	70	67	64	61	58	55	52	49	47
68						95	91	86	82	78	74	71	67	64	61	58	55	52	50
69							95	91	86	82	78	75	71	68	65	61	58	56	53
70								95	91	87	83	79	75	71	68	65	62	59	56
71									95	91	87	83	79	75	72	69	66	62	59
72										95	91	87	83	79	76	72	69	66	63
73											95	91	87	83	79	76	73	69	66
74												95	91	87	83	80	76	73	70
75													95	91	87	84	80	76	73
76														96	91	88	84	80	77
77															96	92	88	84	80
78																96	92	88	84
79																	96	92	88
80																		96	92
81																			96
82																			
83																			
84																			
85																			
86																			
87																			
88																			
89																			
90																			
91																			
92																			
93																			
94																			
95																			
96																			
97																			
98																			
99																			

RELATIVE HUMIDITY TABLE
For Stations above 2,500 feet Elevation

		Dry-Bulb Temperature																															
		35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64		
Wet-Bulb Temperature	23	9															93	87	82	77	71		67	63	58	54	51	47	44	41	38	35	49
	24	16	12	8													93	87	83	77			72	68	63	59	55	52	48	45	42	38	50
	25	23	19	14	10	7												94	88	83			78	72	68	64	59	56	52	49	45	42	51
	26	30	25	20	16	13	8	5												94	88		83	78	73	69	65	60	56	53	49	46	52
	27	37	32	27	22	18	14	11	7											94			88	83	79	73	69	65	61	57	54	50	53
	28	45	40	34	29	24	20	17	13	9	7												94	89	84	79	74	70	66	62	58	54	54
	29	53	48	42	36	31	26	22	18	14	11	9	5											94	89	84	80	74	70	67	62	59	55
	30	61	54	48	42	38	34	29	24	20	16	13	10	7											94	89	84	80	75	71	67	63	56
	31	68	61	56	48	44	39	34	30	26	22	18	15	12	9											94	89	84	80	76	71	67	57
	32	75	68	62	54	49	45	37	33	30	23	21	19	12	10	10											95	90	85	80	76	71	58
	33	83	75	69	62	55	50	45	39	34	29	25	22	17	14	11	8	5										95	90	85	80	76	59
	34	92	83	76	69	62	56	51	45	40	36	31	27	23	19	16	13	9	7	5									95	90	85	81	60
	35		92	83	76	69	63	57	51	46	41	36	32	28	24	20	17	14	11	8	6								95	90	85	61	
	36			92	83	77	70	63	58	53	47	42	38	34	29	26	22	19	16	13	10	8	5							95	90	62	
	37				92	84	78	71	64	59	54	49	44	39	35	31	27	23	20	17	14	12	9	7	5					95	63		
	38					92	85	78	71	64	60	54	49	45	41	35	32	28	25	22	19	16	13	11	8	6	5						
39						92	85	78	72	66	61	54	50	46	41	37	33	30	26	23	20	17	15	13	10	8	6						
40							92	85	79	72	66	61	56	51	47	42	38	35	31	27	25	22	19	16	14	11	9	7	6				
41								92	86	79	73	67	62	57	52	48	44	39	36	32	28	26	23	20	18	15	13	11	9	7			
42									93	86	80	74	68	63	58	53	49	45	40	37	34	30	27	24	21	19	16	14	12	10			
43										93	87	80	74	68	64	58	53	50	46	41	38	35	31	28	25	22	20	17	16	13			
44											93	87	81	75	69	64	59	54	51	46	42	39	36	32	29	26	24	21	19	17			
45												93	87	81	75	70	65	60	55	51	47	43	40	37	33	31	28	25	23	20			
46													93	87	81	76	70	65	61	56	52	48	44	41	38	34	32	29	26	24			
47															93	87	82	76	70	66	61	57	53	49	45	42	39	36	33	30	27		
48																93	87	82	76	71	67	62	57	54	50	46	43	40	37	34	31		

INSTRUCTIONS FOR USING THE RELATIVE HUMIDITY TABLES

- | | |
|---|---|
| <ol style="list-style-type: none"> Find the dry-bulb temperature in the top line of tables. In the columns headed "Wet-bulb Temperature" find the wet-bulb temperature reading. The figure in line with the wet-bulb reading and in the proper dry-bulb column is the relative humidity. If the wet-bulb and dry-bulb temperatures are the same the relative humidity is 100 per cent. | <p>Examples</p> <p>(i) Dry-bulb 49, wet-bulb 48, humidity is 93 per cent.</p> <p>(ii) Dry-bulb 50, wet-bulb 49, humidity is 93 per cent.</p> <p>(iii) Dry-bulb 80, wet-bulb 64, humidity is 44 per cent.</p> <p>(iv) Dry-bulb 96, wet-bulb 93, humidity is 90 per cent.</p> |
|---|---|

