



Tables for the Canadian Forest Fire Weather Index System



Canada



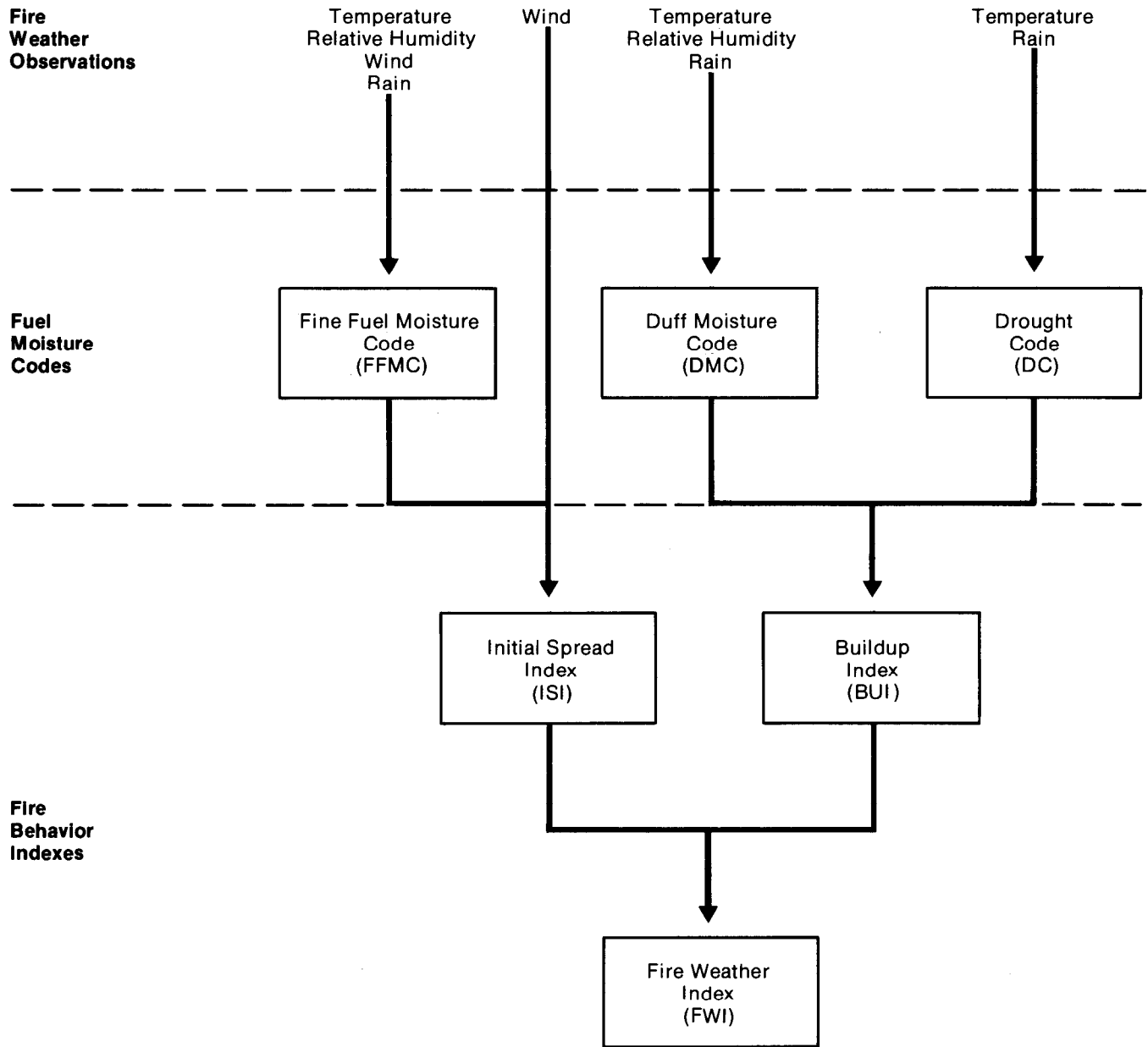
Environnement
Canada

Environnement
Canada

Canadian
Forestry
Service

Service
canadien des
forêts

Structure of the Canadian Forest Fire Weather Index System



English-French Equivalents

FFMC (Fine Fuel Moisture Code)	—	ICL (Indice du combustible léger)
DMC (Duff Moisture Code)	—	IH (Indice de l'humus)
DC (Drought Code)	—	IS (Indice de sécheresse)
ISI (Initial Spread Index)	—	IPI (Indice de propagation initiale)
BUI (Buildup Index)	—	ICD (Indice du combustible disponible)
FWI (Fire Weather Index)	—	IFM (Indice Forêt-Météo)

Tables for the Canadian Forest Fire Weather Index System

**Forestry Technical Report 25
(4th edition)**

Canadian Forestry Service
Environment Canada
1984

STARTING THE CALCULATIONS

Start the daily record as soon as there is measurable fire danger in the spring. The exact date and starting values of the FFM, DMC, and DC will normally be provided by the appropriate fire weather authorities. In the absence of such direction, choose the starting date according to the following criteria:

- (a) In regions normally covered by snow during the winter, begin calculations on the 3rd day after snow has essentially left the area to which the fire danger rating applies.
- (b) In regions where snow cover is not a significant feature, begin calculations on the 3rd successive day that noon temperatures of 12°C or higher have been recorded.

In either case, use the following starting values:

FFM	85
DMC	6
DC	15

These values should not be applied to late starting stations. Contact the fire weather authorities for instructions.

ENDING THE CALCULATIONS

Closing dates for fire danger calculations will normally be supplied by the fire weather authorities. In the absence of such direction, it is recommended that observations and calculations be continued until snow covers the ground. Otherwise, the *Tables* provide for the calculation of the components of the FWI System until the end of November.

©Minister, Supply and Services Canada, 1984

ISBN 0-662-13111-8
Cat No. Fo64-25/1984E

1st edition: Canadian Forest Fire Weather Index (1970)
2nd edition: Canadian Forest Fire Weather Index Tables (1976)
3rd edition: Canadian Forest Fire Weather Index Tables (1978)

Additional copies are available from:

Environment Canada Distribution Centre
151 Jean-Proulx Boulevard
Hull, Quebec
K1A 1C7

Cette publication est aussi disponible en français sous le titre *Tables de l'Indice Forêt-Météo de la méthode canadienne*.

CONTENTS

Page

Abstract	iv
Résumé	iv
Foreword	v
Standard Components	vi
Starting the Calculations	vii
Ending the Calculations	vii
Fire Weather Observations	viii
Missing Observations	ix
Calculation Instructions	x
Schematic Diagram	xi
Conversion Tables	xii
FUEL MOISTURE CODES (Rainfall Tables)	
Table 1 Fine Fuel Moisture Code (FFMC)	2
Table 3 Duff Moisture Code (DMC)	4
Table 5 Drought Code (DC)	6
Calculation Examples	8
FUEL MOISTURE CODES (Drying Tables)	
Table 2 Fine Fuel Moisture Code (FFMC)	10
Calculation Example	26
FUEL MOISTURE CODES (Drying Tables)	
Table 4 Duff Moisture Code (DMC)	28
Table 6 Drought Code (DC)	29
Calculation Examples	30
FIRE BEHAVIOR INDEXES	
Table 7 Initial Spread Index (ISI)	32
Table 8 Buildup Index (BUI)	34
Table 9 Fire Weather Index (FWI)	36
Calculation Examples	38
RELATIVE HUMIDITY TABLES	
Table 10A Elevation: ≤ 305 m	41A
Table 10B Elevation: 306-760 m	41B
Table 10C Elevation: ≥ 761 m	41C
Identifying Code for Provinces and Territories	45
Monthly Fire Weather Record	
Example for April	46
Example for May	47
Calculation Example	48

ABSTRACT

This publication is the fourth edition of tables for calculating the six standard components of the Canadian Forest Fire Weather Index System. The first three components are fuel moisture codes that follow daily changes in the moisture contents of three classes of forest fuel; the final three are fire behavior indexes that represent rate of spread, amount of available fuel, and fire intensity. The system provides a uniform method of rating fire danger across Canada.

RÉSUMÉ

Cette publication est la quatrième édition des tables pour le calcul des six composantes normalisées de l'Indice Forêt-Météo de la méthode canadienne. Les trois premières composantes sont des codes du combustible qui se rapportent à la teneur en humidité de trois types de combustibles forestiers et en indiquent leurs variations journalières; les autres sont des indices du comportement de l'incendie qui représentent sa vitesse de propagation, la quantité de combustible à brûler de même que l'intensité de l'incendie. La méthode constitue un procédé uniforme pour évaluer le danger d'incendie dans tout le Canada.

Correct citation:

Canadian Forestry Service. 1984. Tables for the Canadian Forest Fire Weather Index System. Environ. Can., Can. For. Serv., For. Tech. Rep 25 (4th ed.).

FOREWORD

This publication presents tables for calculating the six standard components of the Canadian Forest Fire Weather Index (FWI) System. The system was first issued in 1970 as the successor to a series of Canadian forest fire danger indexes dating back to 1933. The national conversion to metric measurement prompted a second edition of these tables in 1976, which was followed by a third edition in 1978. Each new edition has incorporated improvements in table design and layout. The mathematical basis of the FWI System has evolved in response to developments in fuel moisture and fire behavior research, but its essential continuity has been preserved.

This fourth edition of the *Tables* incorporates new mathematical changes in both the Fine Fuel Moisture Code (FFMC) and the Initial Spread Index (ISI). These changes further rationalize the structure of the FFMC and maintain internal compatibility between FFMC and ISI. The output values of these two components, and of the whole FWI System, remain almost identical with those of the previous version. Statistical continuity with earlier records is thus preserved. This edition differs somewhat in layout from the previous one, to further improve the efficiency of the tables in use. Also, it contains the complete set of relative humidity tables for three ranges of station elevation, plus tables for converting weather observations from English to metric units.

The *Tables* are produced from a set of equations that constitute, in fact, the primary form of the FWI System. For a list of the equations and a computer program that yields the system's output in the purest possible mathematical form, refer to:

Van Wagner, C.E.; Pickett, T.L. 1984. Equations and Fortran program for the Canadian Forest Fire Weather Index System. Canadian Forestry Service (Revision of Info. Rep. PS-X-58).

Included with the *Tables* is a minimum of instructions on weather observing practices. For detailed information on weather measurement, fire weather station specifications, and on various aspects of weather as it affects the system components, consult:

Turner, J.A.; Lawson, B.D. 1984. Weather Guide for the Canadian Forest Fire Danger Rating System. Canadian Forestry Service (Revision of Info. Rep. BC-X-177).

The FWI System with its six standard components is part of the larger Canadian Forest Fire Danger Rating System (CFFDRS) that includes all other aids, both existing and planned, to the evaluation of fire danger and the prediction of fire behavior.

STANDARD COMPONENTS

The six standard components of the FWI System provide numerical ratings 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 and one for *drying* — arranged so that the higher values represent lower moisture contents and hence greater flammability. The final three components are fire behavior indexes, representing rate of spread, amount of available fuel, and fire intensity; their values increase as fire weather severity worsens.

The system is dependent on weather only and does not consider differences in risk, fuel, or topography. It provides a uniform method of rating fire danger across Canada. The six components are described below.

FINE FUEL MOISTURE CODE (FFMC)

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)

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)

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, and amount of smouldering in deep duff layers and large logs.

INITIAL SPREAD INDEX (ISI)

A numerical rating of the expected rate of fire spread. It combines the effects of wind and FFMC on rate of spread without the influence of variable quantities of fuel.

BUILDUP INDEX (BUI)

A numerical rating of the total amount of fuel available for combustion that combines DMC and DC.

FIRE WEATHER INDEX (FWI)

A numerical rating of fire intensity that combines ISI and BUI. It is suitable as a general index of fire danger throughout the forested areas of Canada.

FIRE WEATHER OBSERVATIONS

Calculation of the components of the FWI System is based on consecutive daily observations of temperature, relative humidity, wind speed, and 24-hour rainfall, measured at a suitable weather station. Specifications for locating fire weather stations are described in the publication "Weather Guide for the Canadian Forest Fire Danger Rating System," referred to in the Foreword. The daily observations are taken at noon, defined here as 1200 standard time or 1300 daylight time, even if rain is falling. Record the daily observations and calculations on a permanent form; a sample monthly form, suitable for photocopying, is provided on the inside back cover.

TEMPERATURE (°C)

Observe the dry-bulb and wet-bulb temperatures, using ventilated thermometers, and record to at least the nearest one-half (0.5) degree Celsius. The preferred instrument is an electric fan psychrometer housed in a Stevenson screen.

RELATIVE HUMIDITY (%)

Determine the relative humidity from dry-bulb and wet-bulb temperatures and record to the nearest percent. Three relative humidity tables are included in this publication for use within the following elevation ranges:

Relative Humidity Table	Elevation in metres
10 _A	0 to 305
10 _B	306 to 760
10 _C	761 and higher

Use the table appropriate for the station elevation.

WIND (km/h)

Measure and average wind speed over at least a 10-minute period and record to the nearest whole kilometre per hour. Wind speed should be measured with a cup-type counting anemometer, not with an instantaneous wind indicator. Preferably the anemometer should be located in the open at a height of 10 m above ground.

RAIN (mm)

Measure the rain accumulated in the 24-hour period from noon to noon, and record to the nearest one-fifth (0.2) millimetre. Locate the rain gauge on the ground in the open.

In the case of snow, measure the average depth in centimetres and record the water equivalent as the same number of millimetres. For example: 2.4 cm of snow is reported as 2.4 mm of rain.

MISSING OBSERVATIONS

The FWI System requires an unbroken daily weather record. Days when observations are missed cannot be ignored; the best possible estimate of the missing weather observations is necessary to preserve the continuity of the fuel moisture codes. By one means or another, therefore, blank spaces in the daily weather record must be completed.

In case of days when observations are missed, contact the fire weather authorities for instructions. In the absence of direction, complete the daily record by one of the following methods, and circle the estimated weather observation(s) on the record form.

- a) use values from recording instruments if available on site;
- b) use average of values from one or more nearby similar stations;
- c) use average of values from day before and day after; or
- d) estimate values from knowledge of recent weather pattern.

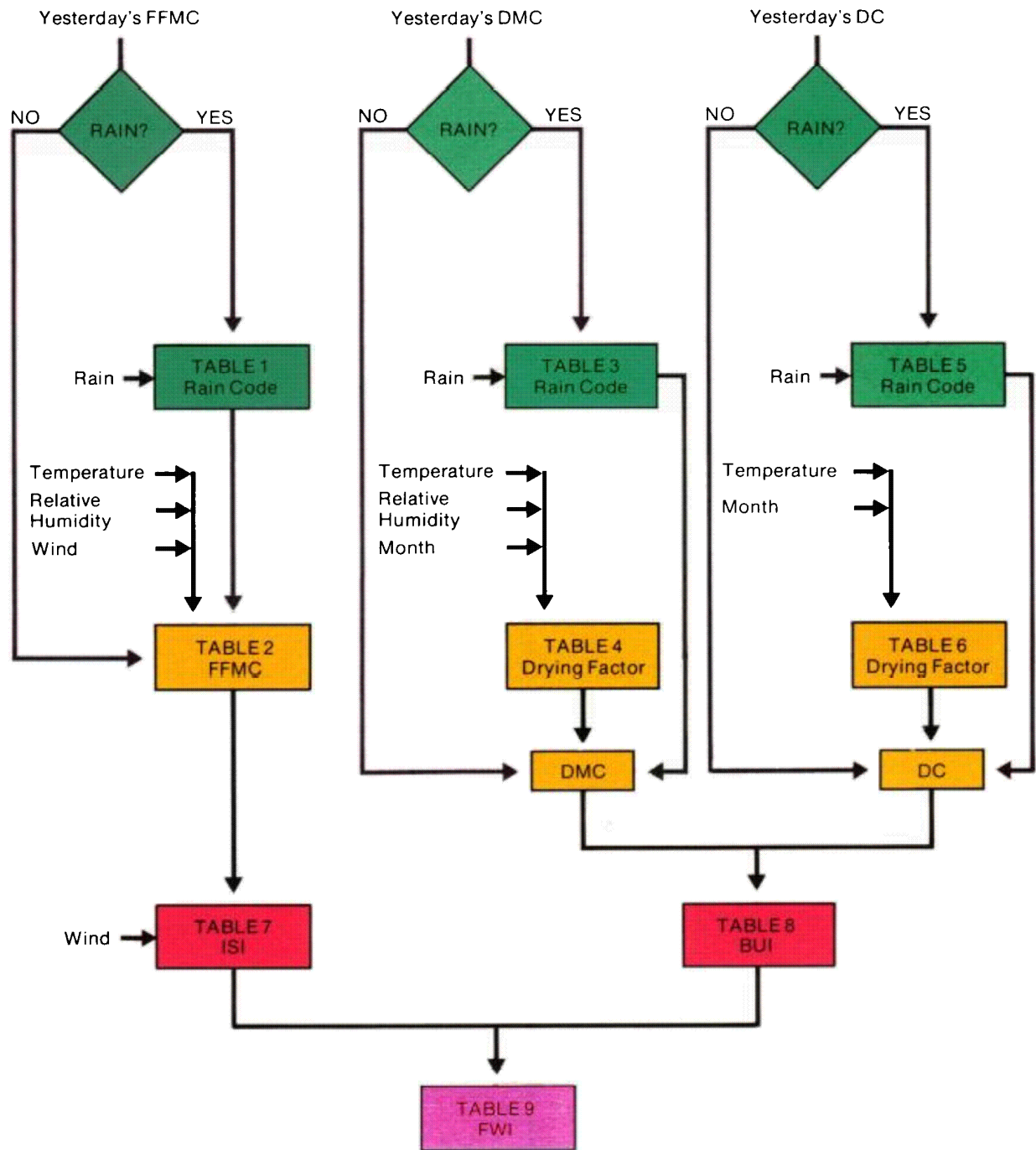
CALCULATION INSTRUCTIONS

Record weather observations on a permanent monthly form. For one example, see Monthly Fire Weather Record on the inside back cover of this publication. Locate the tables by the color-coded tabs, which match corresponding blocks in diagram at right. In the instructions that follow, **Temperature** means dry-bulb temperature.

STEP

1. If there is RAIN, go to Step 2; if there is NO RAIN, go to Step 5.
2. Enter Table 1 with **Yesterday's FFMC** and **Rain**. Record **FFMC Rain Code**.
3. Enter Table 3 with **Yesterday's DMC** and **Rain**. Record **DMC Rain Code**.
4. Enter Table 5 with **Yesterday's DC** and **Rain**. Record **DC Rain Code**.
5. Note **Temperature** and enter appropriate section (A-H) of Table 2 with **Relative Humidity**, **Wind**, and **FFMC Rain Code** or **Yesterday's FFMC**. Record today's **FFMC**.
6. Enter Table 4 with **Temperature**, **Relative Humidity**, and **Month**. Record **Drying Factor** and add to **DMC Rain Code** or to yesterday's **DMC**. This is today's **DMC**.
7. Enter Table 6 with **Temperature** and **Month**. Record **Drying Factor** and add to **DC Rain Code** or to yesterday's **DC**. This is today's **DC**.
8. Enter Table 7 with **Wind** and **FFMC**. Record **ISI**.
9. Enter Table 8 with **DMC** and **DC**. Record **BUI**.
10. Enter Table 9 with **ISI** and **BUI**. Record **FWI**.

Schematic diagram for calculating the six standard components of the Canadian Forest Fire Weather Index System



CONVERSION TABLES

TEMPERATURE (°Fahrenheit to °Celsius)

°Fahrenheit (°F)	°Celsius (°C)	°Fahrenheit (°F)	°Celsius (°C)
19	-7	62	16.5
20	-6.5	63	17
21	-6	64	18
22	-5.5	65	18.5
23	-5	66	19
24	-4.5	67	19.5
25	-4	68	20
26	-3.5	69	20.5
27	-3	70	21
28	-2	71	21.5
29	-1.5	72	22
30	-1	73	23
31	-0.5	74	23.5
32	0	75	24
33	0.5	76	24.5
34	1	77	25
35	1.5	78	25.5
36	2	79	26
37	3	80	26.5
38	3.5	81	27
39	4	82	28
40	4.5	83	28.5
41	5	84	29
42	5.5	85	29.5
43	6	86	30
44	6.5	87	30.5
45	7	88	31
46	8	89	31.5
47	8.5	90	32
48	9	91	33
49	9.5	92	33.5
50	10	93	34
51	10.5	94	34.5
52	11	95	35
53	11.5	96	35.5
54	12	97	36
55	13	98	36.5
56	13.5	99	37
57	14	100	38
58	14.5	101	38.5
59	15	102	39
60	15.5	103	39.5
61	16	104	40

**WIND (miles per hour
to kilometres per hour)**

Miles per hour (mph)	Kilometres per hour (km/h)
1	2
2	3
3	5
4	6
5	8
6	10
7	11
8	13
9	14
10	16
11	18
12	19
13	21
14	23
15	24
16	26
17	27
18	29
19	31
20	32
21	34
22	35
23	37
24	39
25	40
26	42
27	44
28	45
29	47
30	48
31	50
32	52
33	53
34	55
35	56
36	58
37	60
38	61
39	63
40	64

CONVERSION TABLE

RAIN (inches to millimetres)

Inches (")	Millimetres (mm)	Inches (")	Millimetres (mm)	Inches (")	Millimetres (mm)	Inches (")	Millimetres (mm)
Trace	0.1	.40	10.2	.80	20.3	1.20	30.5
.01	0.3	.41	10.4	.81	20.6	1.30	33.0
.02	0.5	.42	10.7	.82	20.8	1.40	35.6
.03	0.8	.43	10.9	.83	21.1	1.50	38.1
.04	1.0	.44	11.2	.84	21.3	1.60	40.6
.05	1.3	.45	11.4	.85	21.6	1.70	43.2
.06	1.5	.46	11.7	.86	21.8	1.80	45.7
.07	1.8	.47	11.9	.87	22.1	1.90	48.3
.08	2.0	.48	12.2	.88	22.4	2.00	50.8
.09	2.3	.49	12.4	.89	22.6	2.10	53.3
.10	2.5	.50	12.7	.90	22.9	2.20	55.9
.11	2.8	.51	13.0	.91	23.1	2.30	58.4
.12	3.0	.52	13.2	.92	23.4	2.40	61.0
.13	3.3	.53	13.5	.93	23.6	2.50	63.5
.14	3.6	.54	13.7	.94	23.9	2.60	66.0
.15	3.8	.55	14.0	.95	24.1	2.70	68.6
.16	4.1	.56	14.2	.96	24.4	2.80	71.1
.17	4.3	.57	14.5	.97	24.6	2.90	73.7
.18	4.6	.58	14.7	.98	24.9	3.00	76.2
.19	4.8	.59	15.0	.99	25.1	3.10	78.7
.20	5.1	.60	15.2	1.00	25.4	3.20	81.3
.21	5.3	.61	15.5	1.01	25.7	3.30	83.8
.22	5.6	.62	15.7	1.02	25.9	3.40	86.4
.23	5.8	.63	16.0	1.03	26.2	3.50	88.9
.24	6.1	.64	16.3	1.04	26.4	3.60	91.4
.25	6.4	.65	16.5	1.05	26.7	3.70	94.0
.26	6.6	.66	16.8	1.06	26.9	3.80	96.5
.27	6.9	.67	17.0	1.07	27.2	3.90	99.1
.28	7.1	.68	17.3	1.08	27.4	4.00	101.6
.29	7.4	.69	17.5	1.09	27.7	4.10	104.1
.30	7.6	.70	17.8	1.10	27.9	4.20	106.7
.31	7.9	.71	18.0	1.11	28.2	4.30	109.2
.32	8.1	.72	18.3	1.12	28.4	4.40	111.8
.33	8.4	.73	18.5	1.13	28.7	4.50	114.3
.34	8.6	.74	18.8	1.14	29.0	4.60	116.8
.35	8.9	.75	19.1	1.15	29.2	4.70	119.4
.36	9.1	.76	19.3	1.16	29.5	4.80	121.9
.37	9.4	.77	19.6	1.17	29.7	4.90	124.5
.38	9.7	.78	19.8	1.18	30.0	5.00	127.0
.39	9.9	.79	20.1	1.19	30.2	5.10	129.5

MATHEMATICAL SYMBOLS

\leq Less than or equal to

\geq Greater than or equal to

FUEL MOISTURE CODES

Rainfall Tables

■ *Table 1*
Fine Fuel Moisture Code
(FFMC)

■ *Table 3*
Duff Moisture Code (DMC)

■ *Table 5*
Drought Code (DC)

FINE FUEL MOISTURE CODE

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	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-7		3	3	3	3	3	3	3	2	2	2	2	2	1	1
8-12		8	8	8	8	8	7	7	6	6	6	5	5	4	4
13-17		13	13	13	12	12	11	11	10	9	8	8	7	7	6
18-22		18	18	17	16	16	15	14	13	12	11	10	10	9	8
23-27		23	23	22	21	20	19	17	16	15	14	13	12	11	10
28-32		28	27	26	25	23	22	21	19	18	17	16	15	13	12
33-37		33	32	30	29	27	26	24	23	21	19	18	17	16	14
38-42		38	36	35	33	31	30	28	26	24	22	21	19	18	17
43-47		43	41	39	37	35	33	31	29	27	25	23	22	20	19
48-52		48	45	43	41	39	37	35	32	30	28	26	24	23	21
53-57		52	50	47	45	43	40	38	35	33	30	28	27	25	23
58-62		57	54	52	49	46	44	41	38	35	33	31	29	27	25
63-67		62	59	56	53	50	47	44	41	38	36	33	31	29	27
68-72		67	63	60	57	54	51	48	44	41	38	36	33	31	29
73-77		71	68	64	61	57	54	51	47	44	41	38	36	33	31
78-79		75	71	67	63	60	57	53	49	45	42	40	37	35	32
80		76	72	68	64	61	58	54	50	46	43	40	38	35	33
81		77	73	69	65	62	58	55	50	47	44	41	38	36	33
82		78	74	70	66	62	59	55	51	47	44	41	39	36	33
83		79	75	71	67	63	60	56	51	48	44	42	39	36	34
84		80	76	71	67	64	60	56	52	48	45	42	39	37	34
85		81	76	72	68	64	61	57	53	49	45	42	40	37	34
86		82	77	73	69	65	62	58	53	49	46	43	40	38	35
87		83	78	74	70	66	62	58	54	50	46	43	41	38	35
88		84	79	75	70	67	63	59	54	50	47	44	41	38	35
89		85	80	75	71	67	64	59	55	51	47	44	42	39	36
90		86	81	76	72	68	64	60	55	51	48	45	42	39	36
91		87	82	77	73	69	65	61	56	52	48	45	42	40	37
92		88	83	78	73	69	66	61	56	52	49	46	43	40	37
93		88	83	79	74	70	66	62	57	53	49	46	43	40	37
94		89	84	79	75	71	67	62	58	53	50	46	44	41	38
95		90	85	80	76	71	68	63	58	54	50	47	44	41	38
96		91	86	81	76	72	68	64	59	54	51	47	44	41	38
97		92	87	82	77	73	69	64	59	55	51	48	45	42	39
98		93	88	83	78	74	69	65	60	55	51	48	45	42	39
99		94	89	83	79	74	70	65	60	56	52	48	46	43	39

* If Rain is less than 0.6 mm, today's Rain Code = yesterday's FFMC

Yesterday's FFMC	Rain (mm)														
	4.5	5.1	5.8	6.7	7.8	9.2	11.6	14.6	17.6	21.6	25.6	30.6	37.6	46.6	≥59.6
	5.0	5.7	6.6	7.7	9.1	11.5	14.5	17.5	21.5	25.5	30.5	37.5	46.5	58.5	
	Rain Code														
0-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8-12	4	3	3	2	2	1	1	0	0	0	0	0	0	0	0
13-17	6	5	4	4	3	2	1	1	0	0	0	0	0	0	0
18-22	7	6	6	5	4	3	2	1	1	0	0	0	0	0	0
23-27	9	8	7	6	5	4	3	2	1	1	0	0	0	0	0
28-32	11	10	9	7	6	5	4	3	2	1	1	1	0	0	0
33-37	13	12	10	9	8	6	5	4	3	2	2	1	1	1	0
38-42	15	13	12	10	9	7	6	5	4	3	3	2	2	1	1
43-47	17	15	14	12	10	9	7	6	5	4	4	3	3	2	2
48-52	19	17	15	13	12	10	8	7	6	5	5	4	3	3	3
53-57	21	19	17	15	13	11	9	8	7	6	5	5	4	4	3
58-62	23	21	18	16	15	12	11	9	8	7	6	6	5	5	4
63-67	25	22	20	18	16	14	12	10	9	8	7	7	6	6	5
68-72	26	24	22	19	17	15	13	11	10	9	8	8	7	6	6
73-77	28	26	23	21	18	16	14	12	11	10	9	8	8	7	7
78-79	29	27	24	22	19	17	15	13	12	11	10	9	8	8	7
80	30	27	25	22	20	17	15	13	12	11	10	9	9	8	8
81	30	27	25	22	20	17	15	13	12	11	10	9	9	8	8
82	30	28	25	23	20	18	15	14	12	11	10	10	9	8	8
83	31	28	25	23	20	18	16	14	12	11	11	10	9	8	8
84	31	28	26	23	21	18	16	14	13	12	11	10	9	9	8
85	31	29	26	23	21	18	16	14	13	12	11	10	9	9	8
86	32	29	26	24	21	19	16	14	13	12	11	10	10	9	8
87	32	29	27	24	21	19	16	15	13	12	11	10	10	9	9
88	32	30	27	24	22	19	17	15	13	12	11	11	10	9	9
89	33	30	27	24	22	19	17	15	13	12	12	11	10	9	9
90	33	30	27	25	22	19	17	15	14	13	12	11	10	10	9
91	33	31	28	25	22	20	17	15	14	13	12	11	10	10	9
92	34	31	28	25	23	20	17	15	14	13	12	11	10	10	9
93	34	31	28	25	23	20	17	16	14	13	12	11	11	10	9
94	34	31	28	26	23	20	18	16	14	13	12	11	11	10	10
95	35	32	29	26	23	20	18	16	15	13	12	12	11	10	10
96	35	32	29	26	24	21	18	16	15	14	13	12	11	10	10
97	35	32	29	26	24	21	18	16	15	14	13	12	11	11	10
98	36	33	30	27	24	21	18	17	15	14	13	12	11	11	10
99	36	33	30	27	24	21	19	17	15	14	13	12	11	11	10

See EXAMPLES on pages 8 and 48

DUFF MOISTURE CODE

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	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-5		3	3	3	3	2	2	2	2	2	2	2	2	2	2
6-8		6	6	6	5	5	5	5	4	4	4	4	4	4	3
9-11		9	9	8	8	8	7	7	7	6	6	6	6	6	5
12-14		12	12	11	11	10	10	9	9	9	8	8	8	7	7
15-17		15	15	14	14	13	12	12	11	11	11	10	10	9	9
18-20		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		24	23	22	22	21	20	19	19	18	17	17	16	15	15
27-29		27	26	25	24	24	23	22	21	20	19	19	18	17	16
30-33		30	29	28	28	27	26	25	24	23	22	21	20	19	19
34-37		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		42	41	40	38	37	36	34	33	32	31	30	29	28	26
46-49		46	45	43	42	40	39	38	36	35	34	33	32	30	29
50-53		50	48	47	45	44	42	41	39	38	37	35	34	33	32
54-57		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		62	60	58	56	54	52	50	48	47	45	43	42	40	39
67-71		67	64	62	60	58	56	54	52	50	48	47	45	44	42
72-76		71	69	66	64	62	59	57	56	54	52	50	48	47	45
77-81		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		85	82	79	76	73	70	67	65	63	61	59	57	55	53
92-97		90	86	83	80	77	74	71	69	66	64	62	60	58	56
98-103		96	91	88	84	81	77	74	72	69	67	65	63	61	59
104-109		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		112	106	101	96	92	88	84	81	78	76	73	71	69	67
123-129		118	111	105	100	96	91	87	84	81	78	76	74	71	69
130-137		124	116	110	105	99	95	91	87	84	81	79	76	74	71
138-146		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		146	133	124	118	111	105	100	96	93	89	86	84	81	79
169-184		155	140	130	122	115	109	103	99	96	92	89	86	84	81
185-207		166	148	136	127	119	112	107	103	99	95	92	89	87	84
208-241		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		195	165	149	138	129	121	116	111	107	103	100	97	95	92
364-462		197	166	150	140	130	123	117	113	109	105	102	99	97	94

* If Rain is less than 1.5 mm, today's Rain Code = yesterday's DMC

Yesterday's DMC	Rain (mm)														
	6.5	7.3	8.3	9.5	11.6	14.6	17.6	20.6	24.6	28.6	33.6	39.6	47.6	59.6	≥79.6
	 7.2	 8.2	 9.4	 11.5	 14.5	 17.5	 20.5	 24.5	 28.5	 33.5	 39.5	 47.5	 59.5	 79.5	
	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
24-26	14	13	13	12	11	11	10	10	9	9	9	8	8	8	8
27-29	16	15	14	13	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	19	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	23	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	51	49	47	46	45	44	43	42	42	41	41	40
104-109	60	58	56	54	51	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	60	59	57	56	55	54	54	53	52	52	51
138-146	72	70	68	65	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

See EXAMPLES on pages 8 and 48

DROUGHT CODE

Yesterday's DC	Rain (mm)													
	0	2.9	4.7	6.3	7.9	9.5	11.6	13.6	15.6	18.6	21.6	25.6	30.6	35.6
	 2.8	 4.6	 6.2	 7.8	 9.4	 11.5	 13.5	 15.5	 18.5	 21.5	 25.5	 30.5	 35.5	 40.5
	Rain Code													
0-14	*	0	0	0	0	0	0	0	0	0	0	0	0	0
15-29		15	15	13	10	7	3	0	0	0	0	0	0	0
30-44		30	30	27	24	21	18	14	10	5	0	0	0	0
45-59		45	45	42	39	36	32	28	24	19	13	5	0	0
60-74		60	59	56	53	50	46	43	38	33	27	19	10	2
75-89		75	74	71	68	64	60	57	52	46	40	32	23	15
90-104		90	89	86	82	79	75	71	66	60	54	45	36	27
105-119		105	104	100	97	93	89	85	80	74	67	58	49	40
120-134		120	118	115	111	107	103	99	94	87	80	72	62	52
135-149		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	97	87	77
165-179		165	162	158	155	150	145	141	135	128	120	110	100	89
180-194		180	177	173	169	164	159	154	148	141	133	123	112	102
195-209		195	192	187	183	178	173	168	162	155	146	136	125	114
210-224		210	206	202	197	193	187	182	176	168	159	149	137	126
225-239		225	221	216	212	207	201	196	189	181	172	161	149	138
240-254		240	235	231	226	221	215	209	203	194	185	174	161	149
255-269		255	250	245	240	235	229	223	216	208	198	186	173	161
270-284		270	264	259	254	249	243	237	229	221	211	199	185	173
285-299		285	279	274	269	263	256	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	290	284	277	269	259	249	235	221	207
330-344		329	322	317	311	304	297	290	282	272	261	247	232	218
345-359		343	337	331	325	318	311	304	295	285	273	259	244	229
360-374		358	351	345	339	332	324	317	308	298	286	271	255	240
375-389		373	366	359	353	346	338	330	321	310	298	283	267	251
390-404		387	380	373	367	359	351	343	334	323	310	294	278	262
405-419		402	394	388	381	373	365	356	347	335	322	306	289	272
420-434		417	409	402	395	387	378	369	359	347	334	317	300	283
435-449		431	423	416	408	400	391	382	372	360	346	329	311	293
450-469		448	440	432	424	416	406	397	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	451	441	431	420	406	390	371	351	332
510-529		506	497	488	479	469	458	448	436	422	406	386	365	345
530-549		526	516	506	497	487	476	465	452	437	420	400	378	358
550-574		547	537	527	517	506	495	484	470	455	437	416	393	372
575-599		572	560	550	539	528	516	504	490	473	455	433	409	387
600-624		596	583	572	562	549	536	524	509	492	473	450	425	402
625-649		620	607	595	584	571	557	544	528	511	491	466	441	417
650-674		643	630	617	605	592	577	564	547	529	508	482	456	431
675-704		670	655	642	629	615	600	585	568	548	526	500	472	446
705-734		698	683	668	655	640	623	608	590	569	546	518	489	462
735-764		727	710	695	680	664	647	631	611	589	565	536	506	478
765-794		755	737	721	705	688	670	653	632	609	584	553	522	493
795-824		783	764	746	730	712	692	674	653	628	602	570	537	507
825-859		813	793	774	756	737	716	697	674	649	621	588	554	522
860-894		846	823	803	784	763	741	721	697	670	641	606	570	538
895-929		878	854	832	812	790	766	745	719	691	660	623	586	552
930-964		910	884	861	839	815	790	767	740	710	678	640	601	566
965-999		942	914	889	865	840	813	789	761	729	695	656	616	579
1000-1039		976	945	918	893	866	838	812	782	749	713	672	630	593
1040-1079		1011	978	949	922	893	863	835	804	769	731	688	645	606
1080-1119		1047	1010	979	950	918	886	858	824	787	748	703	659	618
1120-1159		1081	1042	1008	977	943	909	879	844	805	765	718	671	630
1160-1199		1116	1073	1036	1003	967	932	899	862	822	780	731	683	641

* If Rain is less than 2.9 mm, today's Rain Code = yesterday's DC

Yesterday's DC	Rain (mm)														
	40.6	45.6	50.6	55.6	60.6	65.6	70.6	75.6	80.6	85.6	90.6	95.6	100.6	100.6	≥105.6
45.5	50.5	55.5	60.5	65.5	70.5	75.5	80.5	85.5	90.5	95.5	100.5	105.5			
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	25	17	8	0	0	0	0	0	0	0	0	0	
135-149	55	46	37	28	19	11	3	0	0	0	0	0	0	0	
150-164	67	58	49	39	30	22	13	5	0	0	0	0	0	0	
165-179	79	69	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	72	63	53	44	35	26	18	9	1	0	0	
210-224	115	104	93	83	73	64	54	45	36	27	18	10	2	0	
225-239	126	115	104	94	84	74	64	55	45	36	27	19	10	2	
240-254	138	126	115	104	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	103	93	83	73	63	54	45	36	27	
285-299	171	159	147	135	124	113	102	92	82	72	62	53	44	35	
300-314	182	170	157	146	134	123	112	101	91	81	71	61	52	42	
315-329	193	180	168	155	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	150	139	127	116	105	95	85	75	65	
360-374	225	211	198	185	172	159	147	136	125	114	103	92	82	72	
375-389	236	221	208	194	181	168	156	144	133	121	110	100	90	79	
390-404	246	231	217	203	190	177	165	152	141	129	118	107	97	86	
405-419	257	241	227	212	199	186	173	160	148	137	125	114	104	93	
420-434	267	251	236	222	208	194	181	168	156	144	133	121	111	100	
435-449	277	261	245	230	216	202	189	176	164	152	140	128	117	106	
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	133	122	
490-509	314	296	279	263	248	233	219	205	191	178	166	154	142	130	
510-529	326	308	291	274	258	243	228	214	200	187	174	162	150	138	
530-549	338	320	302	285	269	253	238	223	209	196	183	170	158	146	
550-574	352	333	314	297	280	264	248	233	219	205	192	179	166	154	
575-599	366	347	328	309	292	275	260	244	229	215	201	188	175	163	
600-624	381	360	340	322	304	287	270	255	239	225	211	197	184	171	
625-649	394	373	353	334	315	298	281	265	249	234	220	206	192	179	
650-674	408	386	365	345	326	308	291	274	258	243	228	214	201	187	
675-704	422	399	378	357	338	319	302	285	268	253	238	223	209	195	
705-734	437	414	391	370	350	331	313	295	278	262	247	232	218	204	
735-764	452	427	404	382	362	342	323	305	288	272	256	241	226	212	
765-794	466	440	417	394	373	353	333	315	297	281	264	249	234	220	
795-824	479	453	428	405	383	363	343	324	306	289	272	257	241	227	
825-859	493	466	441	417	394	373	353	334	315	298	281	265	249	234	
860-894	507	479	453	429	405	384	363	343	324	306	289	273	257	242	
895-929	521	492	465	440	416	393	372	352	333	314	297	280	264	248	
930-964	534	504	476	450	426	403	381	360	341	322	304	287	271	255	
965-999	546	515	487	460	435	411	389	368	348	329	311	293	277	261	
1000-1039	558	526	497	470	444	420	397	376	356	336	318	300	283	267	
1040-1079	570	538	508	479	453	429	405	384	363	343	324	306	289	273	
1080-1119	582	548	517	488	462	437	413	391	370	349	330	312	295	278	
1120-1159	592	558	526	497	470	444	420	397	376	355	336	317	300	283	
1160-1199	602	567	534	505	477	451	426	403	381	361	341	322	305	287	

See EXAMPLES on pages 8 and 48

Calculation Examples

FFMC (Rainfall Table)

Table 1

Day	Temperature		RH	Wind		Rain	FFMC		DMC			DC			ISI	BUI	FWI
	(°C)	(°C)	(%)	Direction	Speed (km/h)	(mm)	1	2	3	4	Duff Moisture Code	5	6	Drought Code	7	8	9
	Dry Bulb	Wet Bulb	Relative Humidity			24 Hour	Rain Code	Fine Fuel Moisture Code	Rain Code	Drying Factor		Rain Code	Drying Factor	Drought Code	Initial Spread Index	Buildup Index	Fire Weather Index
30/31																	
1								91									
2						11.2		20									
3						1.4		46									

If Rain is less than 0.6 mm, today's Rain Code = yesterday's FFMC

DMC (Rainfall Table)

Table 3

Day	Temperature		RH	Wind		Rain	FFMC		DMC			DC			ISI	BUI	FWI
	(°C)	(°C)	(%)	Direction	Speed (km/h)	(mm)	1	2	3	4	Duff Moisture Code	5	6	Drought Code	7	8	9
	Dry Bulb	Wet Bulb	Relative Humidity			24 Hour	Rain Code	Fine Fuel Moisture Code	Rain Code	Drying Factor		Rain Code	Drying Factor	Drought Code	Initial Spread Index	Buildup Index	Fire Weather Index
30/31																	
1														29			
2						11.2			13					15			
3						1.4			15								

If Rain is less than 1.5 mm, today's Rain Code = yesterday's DMC

DC (Rainfall Table)

Table 5

Day	Temperature		RH	Wind		Rain	FFMC		DMC			DC			ISI	BUI	FWI
	(°C)	(°C)	(%)	Direction	Speed (km/h)	(mm)	1	2	3	4	Duff Moisture Code	5	6	Drought Code	7	8	9
	Dry Bulb	Wet Bulb	Relative Humidity			24 Hour	Rain Code	Fine Fuel Moisture Code	Rain Code	Drying Factor		Rain Code	Drying Factor	Drought Code	Initial Spread Index	Buildup Index	Fire Weather Index
30/31																	
1																	
2						11.2								178			
3						1.4								186			

If Rain is less than 2.9 mm, today's Rain Code = yesterday's DC

FUEL MOISTURE CODES

Drying Tables

 *Table 2*
Fine Fuel Moisture Code
(FFMC)

 *Table 4*
Duff Moisture Code (DMC)

 *Table 6*
Drought Code (DC)

FINE FUEL MOISTURE CODE

		Temperature: $\leq 5^{\circ}\text{C}$																		
RH (%)	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		
		FFMC																		
0-10	0-3	29	33	38	43	47	51	55	59	63	66	70	73	76	79	82	85	86	87	88
	4-13	36	40	44	49	53	57	60	64	67	70	73	76	79	81	84	86	88	88	89
	14-28	42	46	50	54	58	61	65	68	71	74	76	79	81	83	85	88	89	89	90
	≥ 29	48	51	55	59	62	66	69	71	74	77	79	81	83	85	87	89	90	90	91
11-18	0-3	28	32	37	41	46	50	54	58	61	65	68	71	74	77	80	83	85	86	86
	4-13	35	38	43	47	51	55	59	62	65	68	71	74	77	80	82	84	86	87	87
	14-28	41	44	48	52	56	60	63	66	69	72	74	77	79	81	83	86	87	87	88
	≥ 29	46	50	54	57	61	64	67	69	72	75	77	79	81	83	85	86	88	88	88
19-28	0-3	27	31	35	40	44	48	52	56	60	63	67	70	73	76	79	82	84	84	85
	4-13	33	37	41	45	49	53	57	60	64	67	70	73	75	78	80	83	84	85	86
	14-28	39	42	47	51	54	58	61	64	67	70	73	75	77	80	82	84	85	86	86
	≥ 29	44	48	52	55	59	62	65	68	70	73	75	77	79	81	83	85	86	86	87
29-38	0-3	25	29	33	38	42	46	50	54	58	62	65	68	71	75	77	80	82	83	84
	4-13	31	35	39	43	48	51	55	59	62	65	68	71	74	76	79	81	83	84	84
	14-28	37	40	45	49	52	56	59	62	65	68	71	73	76	78	80	82	84	84	85
	≥ 29	42	46	50	53	57	60	63	66	68	71	73	75	77	79	81	83	84	85	85
39-49	0-3	22	26	31	36	40	44	48	52	56	60	63	67	70	73	76	79	81	82	83
	4-13	28	32	37	41	45	49	53	57	60	63	66	69	72	75	78	80	82	83	83
	14-28	34	38	42	46	50	54	57	60	63	66	69	72	74	76	79	81	82	83	83
	≥ 29	40	43	47	51	54	58	61	64	66	69	71	74	76	78	80	82	83	83	84
50-61	0-3	19	23	28	33	37	42	46	50	54	58	61	65	68	72	75	78	80	81	82
	4-13	25	29	34	38	42	46	50	54	58	61	64	67	70	73	76	79	81	81	82
	14-28	31	35	39	43	47	51	54	58	61	64	67	70	72	75	77	79	81	82	82
	≥ 29	37	40	44	48	52	55	58	61	64	67	69	72	74	76	78	80	81	82	82
62-73	0-3	16	20	25	29	34	38	43	47	51	55	59	63	66	70	73	77	79	80	81
	4-13	21	25	30	35	39	43	47	51	55	58	62	65	68	72	75	77	79	80	81
	14-28	27	31	35	40	44	48	51	55	58	61	64	67	70	73	76	78	80	80	81
	≥ 29	32	36	40	44	48	52	55	58	61	64	67	69	72	74	76	79	80	81	81
74-84	0-3	11	15	20	25	30	35	39	44	48	52	56	60	64	68	72	76	78	80	80
	4-13	17	21	25	30	35	39	43	47	51	55	59	63	66	70	73	76	78	80	80
	14-28	22	25	30	35	39	43	47	51	54	58	61	65	68	71	74	77	78	80	80
	≥ 29	26	30	35	39	43	47	50	54	57	60	63	66	69	72	74	77	79	80	80
85-93	0-3	7	11	16	21	26	30	35	40	44	49	53	58	62	66	71	75	78	78	79
	4-13	11	15	19	24	29	34	38	43	47	51	55	59	63	67	71	75	78	78	79
	14-28	14	18	23	28	32	37	41	45	49	53	57	61	64	68	72	75	78	78	78
	≥ 29	18	22	26	31	35	39	44	48	51	55	59	62	66	69	72	75	78	78	78
94-100	0-3	2	6	11	16	21	26	31	36	41	46	51	55	60	65	70	74	76	76	77
	4-13	4	8	13	18	23	27	32	37	42	47	51	56	61	65	70	74	75	76	76
	14-28	5	9	14	19	24	29	33	38	43	47	52	56	61	65	70	74	75	75	76
	≥ 29	6	10	15	20	25	30	34	39	44	48	53	57	61	66	70	74	75	75	75

		Temperature: $\leq 5^{\circ}\text{C}$																	
RH (%)	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	92	93	93	94	94	95	96	96	97	98
	4-13	89	90	90	91	91	92	92	92	93	93	94	94	94	95	96	96	97	98
	14-28	90	91	91	91	92	92	92	93	93	93	94	94	94	95	96	96	97	98
	≥ 29	91	91	92	92	92	92	93	93	93	94	94	94	95	95	96	96	97	98
11-18	0-3	87	87	88	88	89	89	90	90	91	91	92	93	93	94	95	96	97	97
	4-13	88	88	88	89	89	90	90	91	91	91	92	93	93	94	95	95	96	97
	14-28	88	89	89	89	90	90	90	91	91	91	92	93	93	94	95	95	96	96
	≥ 29	89	89	89	90	90	90	91	91	91	92	93	93	94	94	95	95	96	96
19-28	0-3	85	86	86	87	87	88	88	89	90	91	91	92	93	93	94	95	95	96
	4-13	86	86	87	87	88	88	89	89	90	91	91	92	92	93	94	94	95	95
	14-28	87	87	87	88	88	88	89	89	90	91	91	92	92	93	93	94	94	95
	≥ 29	87	87	88	88	88	88	89	89	90	91	91	91	92	92	93	93	94	94
29-38	0-3	84	85	85	86	86	87	88	89	89	90	90	91	92	92	93	94	94	95
	4-13	85	85	86	86	86	87	88	89	89	90	90	91	91	92	92	93	93	94
	14-28	85	85	86	86	87	87	88	89	89	89	90	90	91	91	92	92	93	93
	≥ 29	85	86	86	86	87	87	88	89	89	89	90	90	90	91	91	92	92	92
39-49	0-3	83	84	84	85	86	87	87	88	88	89	90	90	91	91	92	92	93	93
	4-13	83	84	84	85	86	87	87	88	88	89	89	90	90	90	91	91	92	92
	14-28	84	84	85	85	86	87	87	87	88	88	89	89	89	90	90	91	91	91
	≥ 29	84	84	85	85	86	87	87	87	88	88	88	89	89	89	90	90	90	91
50-61	0-3	82	83	84	85	85	86	86	87	87	88	88	89	89	90	90	91	92	92
	4-13	82	83	84	85	85	86	86	86	87	87	88	88	89	89	90	90	90	91
	14-28	83	83	84	85	85	85	86	86	87	87	87	88	88	88	89	89	89	90
	≥ 29	83	83	84	85	85	85	86	86	86	87	87	87	88	88	88	88	89	89
62-73	0-3	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	90
	4-13	82	83	83	84	84	84	85	85	86	86	86	87	87	88	88	88	89	89
	14-28	82	83	83	83	84	84	84	85	85	85	86	86	86	87	87	87	88	88
	≥ 29	82	83	83	83	84	84	84	84	85	85	85	86	86	86	86	87	87	87
74-84	0-3	81	81	82	82	83	83	84	84	85	85	86	86	87	87	87	88	88	89
	4-13	81	81	82	82	82	83	83	84	84	84	85	85	86	86	86	87	87	87
	14-28	81	81	82	82	82	82	83	83	83	84	84	84	85	85	85	86	86	86
	≥ 29	81	81	81	82	82	82	82	83	83	83	84	84	84	84	85	85	85	85
85-93	0-3	79	80	80	81	81	82	82	83	83	83	84	84	85	85	85	86	86	87
	4-13	79	79	80	80	81	81	81	82	82	82	83	83	83	84	84	84	85	85
	14-28	79	79	79	80	80	80	81	81	81	82	82	82	82	83	83	83	84	84
	≥ 29	79	79	79	79	80	80	80	80	81	81	81	81	82	82	82	82	83	83
94-100	0-3	77	78	78	78	79	79	80	80	80	81	81	82	82	83	83	83	84	84
	4-13	76	77	77	78	78	78	79	79	79	80	80	80	81	81	81	82	82	82
	14-28	76	76	77	77	77	77	78	78	78	79	79	79	79	80	80	80	81	81
	≥ 29	76	76	76	76	77	77	77	77	77	78	78	78	78	79	79	79	79	80

A

See EXAMPLES on pages 26 and 48

FINE FUEL MOISTURE CODE

		Temperature: 5.5-10°C																		
RH (%)	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			
		2	7	12	17	22	27	32	37	42	47	52	57	62	67	72	77	79		
		FFMC																		
0-10	0-3	35	39	43	48	52	56	59	63	66	70	73	76	78	81	84	86	88	89	89
	4-13	42	46	50	54	58	62	65	68	71	74	76	79	81	84	86	88	89	90	90
	14-28	49	53	57	60	64	67	70	72	75	77	80	82	84	86	87	89	90	91	91
	≥29	56	59	62	65	68	71	74	76	78	80	82	84	86	87	89	90	91	92	92
11-18	0-3	33	37	42	46	50	54	58	61	65	68	71	74	77	79	82	84	86	87	87
	4-13	41	44	49	53	56	60	63	66	69	72	75	77	80	82	84	86	87	88	88
	14-28	47	51	55	58	62	65	68	70	73	75	78	80	82	84	85	87	88	89	89
	≥29	54	57	60	64	66	69	72	74	76	78	80	82	84	85	87	88	89	89	90
19-28	0-3	32	35	40	44	48	52	56	60	63	66	69	72	75	78	80	83	85	85	86
	4-13	39	42	47	51	54	58	61	64	67	70	73	75	78	80	82	84	86	86	87
	14-28	45	49	53	56	60	63	66	69	71	73	76	78	80	82	84	85	86	87	87
	≥29	52	55	58	61	64	67	70	72	74	76	78	80	82	83	85	86	87	87	88
29-38	0-3	29	33	38	42	46	50	54	58	61	64	68	71	73	76	79	82	83	84	84
	4-13	36	40	44	48	52	56	59	62	65	68	71	74	76	78	81	83	84	85	85
	14-28	43	46	50	54	57	61	64	66	69	71	74	76	78	80	82	84	85	85	86
	≥29	49	52	56	59	62	65	67	70	72	74	76	78	80	81	83	84	85	86	86
39-49	0-3	26	30	35	39	44	48	52	55	59	62	66	69	72	75	77	80	82	83	83
	4-13	34	37	42	46	50	53	57	60	63	66	69	72	74	77	79	81	83	83	84
	14-28	40	44	48	51	55	58	61	64	67	69	72	74	76	78	80	82	83	84	84
	≥29	46	50	53	57	60	63	65	68	70	72	74	76	78	80	81	83	84	84	84
50-61	0-3	23	27	32	36	40	45	49	53	56	60	63	67	70	73	76	79	81	82	82
	4-13	30	34	38	42	46	50	54	57	61	64	67	69	72	75	77	80	81	82	82
	14-28	37	40	44	48	52	55	58	61	64	67	70	72	74	76	79	80	82	82	83
	≥29	43	46	50	53	57	60	62	65	67	70	72	74	76	78	79	81	82	83	83
62-73	0-3	19	23	27	32	37	41	45	49	53	57	61	64	68	71	74	77	80	81	81
	4-13	25	29	34	38	42	46	50	54	57	61	64	67	70	73	76	78	80	81	81
	14-28	32	36	40	44	48	51	55	58	61	64	67	69	72	74	77	79	80	81	81
	≥29	38	42	45	49	53	56	59	62	64	67	69	72	74	76	78	79	81	81	81
74-84	0-3	14	18	23	27	32	36	41	45	49	53	57	61	65	69	73	76	79	80	81
	4-13	20	24	28	33	37	42	46	50	53	57	61	64	67	71	74	77	79	80	81
	14-28	26	29	34	38	42	46	50	53	57	60	63	66	69	72	75	77	79	80	81
	≥29	31	35	39	43	47	50	54	57	60	63	66	68	71	73	75	78	79	80	81
85-93	0-3	8	12	17	22	27	32	36	41	45	50	54	58	63	67	71	75	78	79	79
	4-13	13	17	21	26	31	35	40	44	48	52	56	60	64	68	72	75	78	79	79
	14-28	17	21	25	30	35	39	43	47	51	55	58	62	65	69	72	75	78	79	79
	≥29	21	25	29	34	38	42	46	50	53	57	60	64	67	70	73	75	78	78	79
94-100	0-3	3	7	12	17	22	27	32	36	41	46	51	56	60	65	70	74	76	76	77
	4-13	4	8	13	18	23	28	33	38	42	47	52	56	61	65	70	74	75	76	76
	14-28	6	10	15	20	25	29	34	39	43	48	52	57	61	66	70	74	75	75	76
	≥29	7	11	16	21	26	31	35	40	44	49	53	57	62	66	70	74	75	75	75

		Temperature: 5.5–10°C																	
RH (%)	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	93	94	94	95	95	96	97	97	98
	4–13	91	91	91	92	92	92	93	93	93	94	94	94	95	95	96	96	97	98
	14–28	91	92	92	92	93	93	93	94	94	94	94	95	95	95	96	96	97	98
	≥29	92	92	93	93	93	93	94	94	94	94	95	95	95	95	96	96	97	98
11–18	0–3	88	88	89	89	90	90	90	91	91	92	92	93	94	94	95	96	97	97
	4–13	89	89	89	90	90	90	91	91	92	92	92	93	94	94	95	96	96	97
	14–28	89	90	90	90	91	91	91	91	92	92	92	93	94	94	95	95	96	96
	≥29	90	90	90	91	91	91	91	92	92	92	93	93	94	94	95	95	96	96
19–28	0–3	86	87	87	88	88	89	89	89	90	91	91	92	93	93	94	95	95	96
	4–13	87	87	88	88	88	89	89	90	90	91	91	92	93	93	94	94	95	95
	14–28	88	88	88	88	89	89	89	90	90	91	91	92	92	93	93	94	94	95
	≥29	88	88	88	89	89	89	89	90	90	91	91	92	92	93	93	93	94	94
29–38	0–3	85	85	86	86	87	87	88	89	89	90	91	91	92	92	93	94	94	95
	4–13	85	86	86	87	87	87	88	89	89	90	90	91	91	92	92	93	93	94
	14–28	86	86	87	87	87	87	88	89	89	90	90	91	91	91	92	92	93	93
	≥29	86	87	87	87	87	88	88	89	89	90	90	90	91	91	91	92	92	92
39–49	0–3	84	84	85	85	86	87	87	88	89	89	90	90	91	91	92	92	93	93
	4–13	84	85	85	85	86	87	87	88	88	89	89	90	90	90	91	91	92	92
	14–28	84	85	85	85	86	87	87	88	88	89	89	89	90	90	90	91	91	91
	≥29	85	85	85	86	86	87	87	88	88	88	89	89	89	89	90	90	90	91
50–61	0–3	83	83	84	85	86	86	86	87	87	88	88	89	89	90	90	91	91	92
	4–13	83	83	84	85	86	86	86	87	87	87	88	88	89	89	89	90	90	90
	14–28	83	83	84	85	86	86	86	86	87	87	87	88	88	88	89	89	89	89
	≥29	83	84	84	85	86	86	86	86	87	87	87	87	88	88	88	88	88	89
62–73	0–3	82	83	84	84	84	85	85	86	86	87	87	87	88	88	89	89	90	90
	4–13	82	83	83	84	84	85	85	85	86	86	86	87	87	87	88	88	88	89
	14–28	82	83	83	84	84	84	85	85	85	86	86	86	86	86	87	87	87	88
	≥29	82	83	83	84	84	84	84	85	85	85	85	86	86	86	86	86	87	87
74–84	0–3	81	82	82	83	83	83	84	84	85	85	85	86	86	87	87	87	88	88
	4–13	81	82	82	82	83	83	83	84	84	84	85	85	85	86	86	86	86	87
	14–28	81	82	82	82	82	83	83	83	83	84	84	84	84	84	85	85	85	86
	≥29	81	81	82	82	82	82	83	83	83	83	83	84	84	84	84	84	85	85
85–93	0–3	80	80	80	81	81	81	82	82	83	83	83	84	84	84	85	85	86	86
	4–13	79	80	80	80	81	81	81	81	82	82	82	83	83	83	84	84	84	84
	14–28	79	79	80	80	80	80	81	81	81	82	82	82	82	82	82	83	83	83
	≥29	79	79	79	80	80	80	80	80	81	81	81	81	81	81	82	82	82	82
94–100	0–3	77	77	78	78	78	79	79	80	80	80	81	81	81	82	82	82	83	83
	4–13	76	77	77	77	78	78	78	78	79	79	79	80	80	80	80	81	81	81
	14–28	76	76	76	77	77	77	77	78	78	78	78	79	79	79	79	79	80	80
	≥29	76	76	76	76	76	77	77	77	77	77	77	78	78	78	78	78	79	79

B

See EXAMPLES on pages 26 and 48

FINE FUEL MOISTURE CODE

		Temperature: 10.5–15°C																		
RH (%)	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	41	45	49	54	57	61	64	68	71	74	76	79	81	84	86	88	89	90	90
	4-13	50	53	57	61	64	67	70	73	76	78	80	82	84	86	88	90	91	91	92
	14-28	57	60	64	67	70	73	75	77	80	81	83	85	87	88	90	91	92	92	92
	≥29	64	67	70	72	75	77	79	81	83	84	86	87	89	90	91	92	93	93	93
11-18	0-3	40	43	48	52	56	59	63	66	69	72	74	77	79	82	84	86	88	88	89
	4-13	48	51	55	59	62	65	68	71	74	76	78	80	82	84	86	88	89	89	90
	14-28	56	59	62	65	68	71	73	75	77	79	81	83	85	86	88	89	90	90	90
	≥29	62	65	68	70	73	75	77	79	81	82	84	85	86	88	89	90	90	91	91
19-28	0-3	38	41	46	50	54	57	61	64	67	70	73	75	78	80	82	84	86	87	87
	4-13	46	49	53	57	60	63	66	69	72	74	76	78	80	82	84	86	87	87	88
	14-28	53	56	60	63	66	68	71	73	75	77	79	81	83	84	86	87	88	88	88
	≥29	60	62	65	68	71	73	75	77	78	80	82	83	84	86	87	88	88	89	89
29-38	0-3	35	39	43	47	51	55	58	62	65	68	71	73	76	78	81	83	84	85	85
	4-13	43	47	51	54	58	61	64	67	69	72	74	76	78	80	82	84	85	86	86
	14-28	51	54	57	60	63	66	69	71	73	75	77	79	81	82	84	85	86	86	87
	≥29	57	60	63	66	68	70	72	74	76	78	79	81	82	84	85	86	87	87	87
39-49	0-3	32	35	40	44	48	52	56	59	62	65	68	71	74	76	79	81	83	84	84
	4-13	40	43	47	51	55	58	61	64	67	70	72	74	77	79	81	82	84	84	85
	14-28	47	50	54	57	61	63	66	68	71	73	75	77	79	80	82	83	84	85	85
	≥29	54	57	60	63	65	68	70	72	74	76	77	79	80	82	83	84	85	85	85
50-61	0-3	27	31	36	40	44	48	52	56	59	63	66	69	72	74	77	80	82	82	83
	4-13	36	39	44	47	51	55	58	61	64	67	69	72	74	77	79	81	82	83	83
	14-28	43	47	50	54	57	60	63	66	68	70	72	75	76	78	80	82	83	83	84
	≥29	50	53	56	59	62	65	67	69	71	73	75	77	78	80	81	82	83	84	84
62-73	0-3	22	26	31	35	40	44	48	52	56	59	63	66	69	72	75	78	80	81	82
	4-13	30	34	39	43	47	50	54	57	60	63	66	69	72	74	77	79	81	81	82
	14-28	38	41	45	49	53	56	59	62	65	67	70	72	74	76	78	80	81	82	82
	≥29	45	48	51	55	58	61	63	66	68	70	72	74	76	77	79	80	81	82	82
74-84	0-3	16	20	25	30	34	39	43	47	51	55	59	63	66	70	73	77	79	80	81
	4-13	24	27	32	36	41	45	49	52	56	59	63	66	69	72	75	77	79	80	81
	14-28	31	34	38	43	46	50	53	57	60	63	66	68	71	73	76	78	79	80	81
	≥29	37	40	44	48	51	55	58	61	63	66	68	70	73	75	77	78	80	80	81
85-93	0-3	10	14	19	24	28	33	38	42	47	51	55	59	63	67	71	75	78	79	79
	4-13	15	19	24	28	33	37	42	46	50	54	58	61	65	69	72	75	78	79	79
	14-28	20	24	29	33	37	42	46	49	53	57	60	63	67	70	73	76	78	79	79
	≥29	25	29	33	37	41	45	49	53	56	59	62	65	68	71	73	76	78	79	79
94-100	0-3	3	7	12	17	22	27	32	37	42	46	51	56	61	65	70	75	76	76	77
	4-13	5	9	14	19	24	29	33	38	43	48	52	57	61	66	70	75	76	76	76
	14-28	7	11	16	21	26	30	35	40	44	49	53	57	62	66	70	75	75	76	76
	≥29	9	13	18	22	27	32	36	41	45	50	54	58	62	66	70	75	75	75	76

		Temperature: 10.5–15°C																	
RH (%)	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	91	91	91	92	92	93	93	93	94	94	94	95	95	95	96	97	97	98
	4–13	92	92	92	93	93	93	94	94	94	94	95	95	95	96	96	97	97	98
	14–28	93	93	93	93	94	94	94	94	95	95	95	95	95	96	96	97	97	98
	≥29	93	94	94	94	94	94	95	95	95	95	95	95	96	96	96	97	97	98
11–18	0–3	89	89	90	90	90	91	91	92	92	92	93	93	94	95	95	96	97	97
	4–13	90	90	90	91	91	91	92	92	92	93	93	93	94	94	95	96	96	97
	14–28	91	91	91	91	92	92	92	92	92	93	93	93	94	94	95	95	96	96
	≥29	91	91	92	92	92	92	92	92	93	93	93	93	94	94	95	95	96	96
19–28	0–3	87	88	88	89	89	89	90	90	90	91	92	92	93	94	94	95	95	96
	4–13	88	88	89	89	89	90	90	90	90	91	92	92	93	93	94	94	95	95
	14–28	89	89	89	89	90	90	90	90	91	91	92	92	93	93	94	94	94	95
	≥29	89	89	90	90	90	90	90	90	91	91	92	92	93	93	93	94	94	94
29–38	0–3	86	86	87	87	87	88	88	89	90	90	91	91	92	92	93	94	94	95
	4–13	86	87	87	87	88	88	88	89	90	90	91	91	92	92	92	93	93	94
	14–28	87	87	87	88	88	88	89	89	90	90	91	91	91	92	92	92	93	93
	≥29	87	88	88	88	88	88	89	89	90	90	91	91	91	91	92	92	92	92
39–49	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	89	90	90	91	91	91	92	92
	14–28	85	86	86	86	86	87	88	88	89	89	89	89	90	90	90	91	91	91
	≥29	86	86	86	86	87	87	88	88	89	89	89	89	89	90	90	90	90	90
50–61	0–3	83	84	84	85	86	86	87	87	88	88	88	89	89	90	90	90	91	91
	4–13	84	84	84	85	86	86	87	87	87	88	88	88	89	89	89	90	90	90
	14–28	84	84	84	85	86	86	87	87	87	87	88	88	88	88	89	89	89	89
	≥29	84	84	85	85	86	86	87	87	87	87	87	88	88	88	88	88	88	89
62–73	0–3	82	83	84	84	85	85	86	86	86	87	87	87	88	88	88	89	89	89
	4–13	82	83	84	84	85	85	85	86	86	86	86	87	87	87	87	88	88	88
	14–28	82	83	84	84	85	85	85	85	85	86	86	86	86	87	87	87	87	87
	≥29	82	83	84	84	84	85	85	85	85	85	85	86	86	86	86	86	87	87
74–84	0–3	82	82	83	83	83	84	84	84	85	85	85	86	86	86	87	87	87	87
	4–13	82	82	82	83	83	83	83	84	84	84	85	85	85	85	86	86	86	86
	14–28	82	82	82	82	83	83	83	83	84	84	84	84	84	85	85	85	85	85
	≥29	82	82	82	82	83	83	83	83	83	83	83	84	84	84	84	84	84	85
85–93	0–3	80	80	80	81	81	81	82	82	82	83	83	83	84	84	84	85	85	85
	4–13	80	80	80	80	81	81	81	81	82	82	82	82	83	83	83	83	83	84
	14–28	79	80	80	80	80	80	81	81	81	81	82	82	82	82	82	82	82	83
	≥29	79	79	80	80	80	80	80	80	81	81	81	81	81	81	81	81	81	82
94–100	0–3	77	77	78	78	78	78	79	79	79	80	80	80	81	81	81	81	82	82
	4–13	76	77	77	77	77	78	78	78	78	79	79	79	79	79	80	80	80	80
	14–28	76	76	76	77	77	77	77	77	78	78	78	78	78	79	79	79	79	79
	≥29	76	76	76	76	76	76	77	77	77	77	77	77	77	78	78	78	78	78

C

See EXAMPLES on pages 26 and 48

FINE FUEL MOISTURE CODE

		Temperature: 15.5–20°C																		
RH (%)	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		
		FFMC																		
0–10	0–3	49	52	56	60	64	67	70	73	75	78	80	82	84	86	88	90	91	91	92
	4–13	58	61	65	68	71	73	76	78	80	82	84	86	87	89	90	91	92	93	93
	14–28	66	69	72	74	76	79	81	82	84	85	87	88	89	91	92	93	93	94	94
	≥29	73	75	77	79	81	83	84	86	87	88	89	90	91	92	93	94	94	94	94
11–18	0–3	47	51	55	58	62	65	68	71	73	76	78	80	82	84	86	88	89	90	90
	4–13	56	59	63	66	69	71	74	76	78	80	82	84	85	87	88	89	90	91	91
	14–28	64	67	69	72	74	76	78	80	82	83	85	86	87	89	90	91	91	92	92
	≥29	71	73	75	77	79	81	82	83	85	86	87	88	89	90	91	91	92	92	92
19–28	0–3	45	48	52	56	59	63	66	68	71	74	76	78	80	82	84	86	87	88	88
	4–13	54	57	60	63	66	69	72	74	76	78	80	82	83	85	86	88	88	89	89
	14–28	62	64	67	70	72	74	76	78	80	81	83	84	85	86	88	89	89	90	90
	≥29	68	70	73	75	77	78	80	81	83	84	85	86	87	88	89	89	90	90	90
29–38	0–3	41	45	49	53	57	60	63	66	69	71	74	76	78	80	82	84	86	86	87
	4–13	51	54	57	61	64	66	69	71	74	76	78	79	81	83	84	86	87	87	87
	14–28	59	61	64	67	69	72	74	76	77	79	80	82	83	84	86	87	87	88	88
	≥29	65	67	70	72	74	76	77	79	80	81	83	84	85	86	87	87	88	88	88
39–49	0–3	38	41	45	49	53	57	60	63	66	69	71	74	76	78	81	83	84	85	85
	4–13	47	50	54	57	60	63	66	69	71	73	75	77	79	81	82	84	85	85	86
	14–28	55	58	61	64	66	69	71	73	75	77	78	80	81	82	84	85	86	86	86
	≥29	62	64	67	69	71	73	75	76	78	79	80	82	83	84	85	86	86	86	87
50–61	0–3	33	36	41	45	49	53	56	59	63	66	68	71	74	76	79	81	82	83	83
	4–13	42	46	49	53	56	60	62	65	68	70	72	75	77	79	80	82	83	84	84
	14–28	51	54	57	60	63	65	68	70	72	74	76	77	79	80	82	83	84	84	84
	≥29	58	60	63	65	68	70	72	73	75	77	78	79	80	82	83	84	84	85	85
62–73	0–3	27	30	35	39	44	48	51	55	58	62	65	68	71	74	76	79	81	82	82
	4–13	36	40	44	48	51	55	58	61	64	67	69	72	74	76	78	80	81	82	82
	14–28	45	48	51	55	58	61	63	66	68	70	72	74	76	78	79	81	82	82	83
	≥29	52	55	58	61	63	66	68	70	72	73	75	76	78	79	80	82	82	83	83
74–84	0–3	20	23	28	33	37	42	46	50	54	57	61	64	68	71	74	77	79	80	81
	4–13	28	32	36	41	45	48	52	55	59	62	65	68	71	73	76	78	80	80	81
	14–28	36	40	44	47	51	54	57	60	63	66	68	71	73	75	77	79	80	81	81
	≥29	43	47	50	53	56	59	62	64	67	69	71	73	74	76	78	79	80	81	81
85–93	0–3	12	16	21	25	30	35	39	44	48	52	56	60	64	68	72	75	78	80	80
	4–13	18	22	27	31	36	40	44	48	52	56	59	63	66	70	73	76	78	80	80
	14–28	24	28	32	37	41	45	48	52	56	59	62	65	68	71	74	76	78	80	80
	≥29	30	33	38	42	45	49	52	56	59	62	64	67	70	72	74	77	78	80	80
94–100	0–3	4	8	13	18	23	28	32	37	42	47	51	56	61	65	70	75	76	76	77
	4–13	6	10	15	20	25	30	34	39	44	48	53	57	61	66	70	75	76	76	76
	14–28	8	12	17	22	27	31	36	41	45	49	54	58	62	66	70	75	76	76	76
	≥29	10	14	19	24	29	33	38	42	46	51	55	59	63	67	71	75	76	76	76

		Temperature: 15.5–20°C																		
RH (%)	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	93	93	93	94	94	94	94	95	95	95	95	96	96	96	97	98	98
	4-13	93	93	94	94	94	94	95	95	95	95	96	96	96	96	96	96	97	97	98
	14-28	94	94	94	95	95	95	95	95	95	96	96	96	96	96	96	96	97	97	98
	≥29	95	95	95	95	95	95	95	96	96	96	96	96	96	96	96	96	97	97	98
11-18	0-3	90	91	91	91	91	92	92	92	92	93	93	93	94	94	95	95	96	97	97
	4-13	91	91	92	92	92	92	93	93	93	93	94	94	94	95	95	96	96	97	97
	14-28	92	92	92	92	93	93	93	93	93	93	94	94	94	95	95	96	96	97	97
	≥29	92	93	93	93	93	93	93	93	93	94	94	94	94	95	95	96	96	96	96
19-28	0-3	89	89	89	89	90	90	90	91	91	91	92	93	93	94	94	95	95	96	96
	4-13	89	90	90	90	90	91	91	91	91	92	93	93	94	94	95	95	95	95	95
	14-28	90	90	90	90	91	91	91	91	91	92	93	93	94	94	94	94	94	94	94
	≥29	90	91	91	91	91	91	91	91	91	92	93	93	93	94	94	94	94	94	94
29-38	0-3	87	87	88	88	88	89	89	89	90	91	91	92	92	93	93	94	94	94	94
	4-13	88	88	88	88	89	89	89	89	90	91	91	92	92	93	93	93	93	93	93
	14-28	88	88	88	89	89	89	89	89	90	91	91	91	91	92	92	92	92	92	92
	≥29	88	89	89	89	89	89	89	89	90	91	91	91	91	92	92	92	92	92	92
39-49	0-3	85	86	86	86	87	87	88	89	89	90	90	90	90	91	91	92	92	92	93
	4-13	86	86	86	87	87	87	88	89	89	90	90	90	90	91	91	91	91	91	92
	14-28	86	87	87	87	87	87	88	89	89	89	90	90	90	90	91	91	91	91	91
	≥29	87	87	87	87	87	87	88	89	89	89	90	90	90	90	90	90	90	90	91
50-61	0-3	84	84	85	85	86	87	87	88	88	88	89	89	89	90	90	90	90	91	91
	4-13	84	85	85	85	86	87	87	87	88	88	88	89	89	89	89	90	90	90	90
	14-28	85	85	85	85	86	87	87	87	88	88	88	88	88	89	89	89	89	89	89
	≥29	85	85	85	85	86	87	87	87	87	88	88	88	88	88	88	88	88	89	89
62-73	0-3	83	83	84	85	85	86	86	86	86	87	87	87	87	88	88	88	89	89	89
	4-13	83	83	84	85	85	85	86	86	86	86	87	87	87	87	87	87	87	87	87
	14-28	83	83	84	85	85	85	85	86	86	86	86	86	86	86	86	86	86	86	86
	≥29	83	83	84	85	85	85	85	86	86	86	86	86	86	86	86	86	86	86	86
74-84	0-3	82	83	83	83	84	84	84	84	85	85	85	85	86	86	86	87	87	87	87
	4-13	82	83	83	83	83	84	84	84	84	85	85	85	85	85	85	85	85	85	86
	14-28	82	83	83	83	83	83	83	84	84	84	84	84	84	84	85	85	85	85	85
	≥29	82	83	83	83	83	83	83	83	83	84	84	84	84	84	84	84	84	84	84
85-93	0-3	80	80	81	81	81	81	82	82	82	82	83	83	83	83	84	84	84	84	84
	4-13	80	80	80	81	81	81	81	81	81	81	81	81	82	82	82	83	83	83	83
	14-28	80	80	80	80	80	81	81	81	81	81	81	81	81	81	81	81	81	81	81
	≥29	80	80	80	80	80	80	80	81	81	81	81	81	81	81	81	81	81	81	81
94-100	0-3	77	77	78	78	78	78	78	79	79	79	79	80	80	80	80	81	81	81	81
	4-13	77	77	77	77	77	77	78	78	78	78	79	79	79	79	79	79	79	79	79
	14-28	76	76	77	77	77	77	77	77	77	77	78	78	78	78	78	78	78	78	78
	≥29	76	76	76	76	76	76	77	77	77	77	77	77	77	77	77	77	77	77	78

D

See EXAMPLES on pages 26 and 48

FINE FUEL MOISTURE CODE

		Temperature: 20.5–25°C																		
RH (%)	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		
		FFMC																		
0-10	0-3	57	60	64	67	70	73	75	78	80	82	84	86	87	89	90	92	93	93	93
	4-13	67	69	72	75	77	79	81	83	85	86	87	89	90	91	92	93	94	94	94
	14-28	75	77	79	81	83	84	86	87	88	89	90	91	92	93	94	94	95	95	95
	≥29	81	82	84	85	87	88	89	90	91	91	92	93	93	94	95	95	95	96	96
11-18	0-3	55	58	62	65	68	71	73	76	78	80	82	84	85	87	88	90	91	91	91
	4-13	65	67	70	73	75	77	79	81	83	84	86	87	88	89	90	91	92	92	92
	14-28	73	74	77	79	80	82	83	85	86	87	88	89	90	91	92	92	93	93	93
	≥29	78	80	82	83	84	86	87	88	88	89	90	91	91	92	92	93	93	93	94
19-28	0-3	52	56	59	62	66	68	71	73	76	78	80	82	83	85	86	88	89	89	90
	4-13	62	65	68	70	73	75	77	79	80	82	83	85	86	87	88	89	90	90	90
	14-28	70	72	74	76	78	80	81	82	84	85	86	87	88	89	89	90	91	91	91
	≥29	76	77	79	81	82	83	84	85	86	87	88	89	89	90	90	91	91	91	91
29-38	0-3	49	52	56	59	62	65	68	71	73	75	77	79	81	83	84	86	87	87	88
	4-13	59	61	64	67	70	72	74	76	78	79	81	82	84	85	86	87	88	88	89
	14-28	67	69	71	73	75	77	79	80	81	83	84	85	86	87	87	88	89	89	89
	≥29	73	75	76	78	79	81	82	83	84	85	86	86	87	88	88	89	89	89	89
39-49	0-3	44	48	52	55	59	62	65	67	70	72	75	77	79	81	82	84	85	86	86
	4-13	55	58	61	64	66	69	71	73	75	77	78	80	82	83	84	85	86	87	87
	14-28	63	65	68	70	72	74	76	77	79	80	81	82	83	84	85	86	87	87	87
	≥29	70	71	73	75	77	78	79	80	81	82	83	84	85	86	86	87	87	87	88
50-61	0-3	39	42	46	50	54	57	60	63	66	69	71	74	76	78	80	82	83	84	84
	4-13	50	53	56	59	62	65	67	70	72	74	76	77	79	81	82	83	84	85	85
	14-28	58	61	64	66	68	70	72	74	76	77	79	80	81	82	83	84	85	85	85
	≥29	65	67	70	71	73	75	76	78	79	80	81	82	83	83	84	85	85	86	86
62-73	0-3	32	36	40	44	48	52	55	59	62	65	68	70	73	75	78	80	82	82	83
	4-13	43	46	50	53	57	60	62	65	68	70	72	74	76	78	80	81	82	83	83
	14-28	52	55	58	61	63	66	68	70	72	74	75	77	78	80	81	82	83	83	84
	≥29	60	62	64	67	69	71	72	74	75	77	78	79	80	81	82	83	83	84	84
74-84	0-3	23	27	32	36	41	45	49	52	56	60	63	66	69	72	75	78	80	81	81
	4-13	34	37	41	45	49	53	56	59	62	65	67	70	72	75	77	79	80	81	81
	14-28	43	46	49	53	56	59	62	64	67	69	71	73	75	76	78	80	81	81	82
	≥29	51	53	56	59	62	64	66	68	70	72	74	75	77	78	79	80	81	81	82
85-93	0-3	14	18	23	28	32	37	41	45	50	54	58	61	65	69	72	76	78	80	80
	4-13	22	25	30	34	39	43	47	51	54	58	61	64	68	71	74	76	78	80	80
	14-28	29	32	37	41	45	48	52	55	58	61	64	67	70	72	75	77	78	80	80
	≥29	35	39	43	46	50	53	56	59	62	64	67	69	71	73	75	77	78	80	80
94-100	0-3	5	9	14	19	23	28	33	38	43	47	52	57	61	66	70	75	76	77	77
	4-13	7	11	16	21	26	31	35	40	44	49	53	58	62	66	70	75	76	77	77
	14-28	10	14	19	24	28	33	37	42	46	50	55	59	63	67	71	75	76	76	77
	≥29	12	16	21	26	31	35	39	44	48	52	56	60	64	67	71	75	76	76	76

		Temperature: 20.5–25°C																	
RH (%)	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	94	94	94	94	95	95	95	95	96	96	96	96	96	97	97	98	98
	4–13	94	95	95	95	95	95	95	96	96	96	96	96	96	97	97	97	98	98
	14–28	95	95	95	96	96	96	96	96	96	96	96	96	97	97	97	97	98	98
	≥29	96	96	96	96	96	96	96	96	96	96	97	97	97	97	97	97	98	98
11–18	0–3	92	92	92	92	93	93	93	93	94	94	94	94	94	95	96	96	97	98
	4–13	93	93	93	93	93	93	94	94	94	94	94	94	95	95	96	96	97	97
	14–28	93	93	93	94	94	94	94	94	94	94	94	94	95	95	96	96	97	97
	≥29	94	94	94	94	94	94	94	94	94	94	95	95	95	96	96	96	97	97
19–28	0–3	90	90	90	91	91	91	91	92	92	92	92	93	94	94	95	95	96	96
	4–13	91	91	91	91	91	92	92	92	92	92	93	93	94	94	94	95	95	96
	14–28	91	91	91	92	92	92	92	92	92	92	93	93	94	94	94	95	95	96
	≥29	92	92	92	92	92	92	92	92	92	92	93	93	94	94	94	95	95	96
29–38	0–3	88	88	89	89	89	89	90	90	90	91	92	92	93	93	93	94	94	95
	4–13	89	89	89	89	90	90	90	90	90	91	92	92	92	93	93	93	93	94
	14–28	89	89	89	90	90	90	90	90	90	91	92	92	92	93	93	93	93	94
	≥29	90	90	90	90	90	90	90	90	90	91	92	92	92	92	93	93	93	94
39–49	0–3	86	87	87	87	88	88	88	89	90	90	90	91	91	91	92	92	92	93
	4–13	87	87	87	88	88	88	88	89	90	90	90	91	91	91	91	91	92	92
	14–28	87	88	88	88	88	88	88	89	90	90	90	90	91	91	91	91	91	91
	≥29	88	88	88	88	88	88	88	89	90	90	90	90	90	90	91	91	91	91
50–61	0–3	85	85	85	86	86	87	88	88	88	89	89	89	90	90	90	90	91	91
	4–13	85	85	86	86	86	87	88	88	88	88	89	89	89	89	90	90	90	90
	14–28	86	86	86	86	86	87	88	88	88	88	89	89	89	89	89	89	89	89
	≥29	86	86	86	86	86	87	88	88	88	88	88	88	88	89	89	89	89	89
62–73	0–3	83	84	84	85	86	86	86	87	87	87	87	88	88	88	88	88	89	89
	4–13	83	84	84	85	86	86	86	86	86	87	87	87	87	87	87	88	88	88
	14–28	84	84	84	85	86	86	86	86	86	86	87	87	87	87	87	87	87	87
	≥29	84	84	84	85	86	86	86	86	86	86	86	86	86	86	87	87	87	87
74–84	0–3	82	83	83	84	84	84	84	85	85	85	85	85	86	86	86	86	86	87
	4–13	82	83	83	84	84	84	84	84	84	85	85	85	85	85	85	85	85	86
	14–28	82	83	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84	85
	≥29	82	83	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84	85
85–93	0–3	81	81	81	81	81	82	82	82	82	82	83	83	83	83	83	84	84	84
	4–13	81	81	81	81	81	81	81	82	82	82	82	82	82	82	82	83	83	83
	14–28	80	81	81	81	81	81	81	81	81	81	81	82	82	82	82	82	82	82
	≥29	80	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	82
94–100	0–3	77	77	78	78	78	78	78	79	79	79	79	79	79	80	80	80	80	80
	4–13	77	77	77	77	77	78	78	78	78	78	78	78	78	79	79	79	79	79
	14–28	77	77	77	77	77	77	77	77	77	77	78	78	78	78	78	78	78	78
	≥29	76	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77

E

See EXAMPLES on pages 26 and 48

FINE FUEL MOISTURE CODE

		Temperature: 25.5–30°C																		
RH (%)	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	66	69	72	74	77	79	81	83	84	86	87	89	90	91	92	93	94	94	95
	4–13	76	77	80	82	83	85	86	88	89	90	91	92	93	93	94	95	95	95	96
	14–28	82	84	85	87	88	89	90	91	92	92	93	94	94	95	95	96	96	96	96
	≥29	87	88	89	90	91	92	92	93	94	94	95	95	95	96	96	96	97	97	97
11–18	0–3	64	66	69	72	75	77	79	81	82	84	86	87	88	89	91	92	92	93	93
	4–13	73	75	78	79	81	83	84	86	87	88	89	90	91	91	92	93	93	94	94
	14–28	80	82	83	85	86	87	88	89	90	90	91	92	92	93	93	94	94	94	94
	≥29	85	86	87	88	89	90	90	91	92	92	93	93	93	94	94	94	95	95	95
19–28	0–3	61	64	67	69	72	74	76	78	80	82	83	85	86	87	89	90	90	91	91
	4–13	71	73	75	77	79	80	82	83	84	86	87	88	89	89	90	91	91	92	92
	14–28	78	79	81	82	83	85	86	87	87	88	89	90	90	91	91	92	92	92	92
	≥29	83	84	85	86	87	88	88	89	89	90	90	91	91	92	92	92	93	93	93
29–38	0–3	57	60	63	66	69	71	73	75	77	79	81	82	84	85	86	88	88	89	89
	4–13	67	69	72	74	76	77	79	81	82	83	84	85	86	87	88	89	89	90	90
	14–28	75	76	78	79	81	82	83	84	85	86	87	87	88	89	89	90	90	90	90
	≥29	80	81	82	83	84	85	86	86	87	88	88	89	89	90	90	90	90	91	91
39–49	0–3	52	55	59	62	65	67	70	72	74	76	78	80	81	83	84	86	87	87	87
	4–13	63	65	68	70	72	74	76	78	79	80	82	83	84	85	86	87	87	88	88
	14–28	71	73	74	76	78	79	80	81	82	83	84	85	86	86	87	88	88	88	88
	≥29	77	78	79	80	81	82	83	84	85	85	86	86	87	87	88	88	88	89	89
50–61	0–3	46	49	53	56	59	62	65	68	70	72	75	77	78	80	82	84	85	85	85
	4–13	57	60	63	65	68	70	72	74	76	77	79	80	81	83	84	85	85	86	86
	14–28	66	68	70	72	74	75	77	78	79	81	82	82	83	84	85	86	86	86	86
	≥29	73	74	76	77	78	79	80	81	82	83	83	84	85	85	86	86	86	87	87
62–73	0–3	38	41	45	49	53	56	59	62	65	68	70	73	75	77	79	81	83	83	83
	4–13	50	53	56	59	62	65	67	69	71	73	75	77	78	80	81	83	83	84	84
	14–28	60	62	64	67	69	71	73	74	76	77	78	79	81	82	82	83	84	84	84
	≥29	67	69	71	72	74	75	77	78	79	80	80	81	82	83	83	84	84	85	85
74–84	0–3	28	32	36	41	45	49	52	56	59	62	65	68	71	74	76	79	81	81	82
	4–13	40	43	47	51	54	57	60	63	65	68	70	72	74	76	78	80	81	82	82
	14–28	50	53	56	59	61	64	66	68	70	72	74	75	77	78	80	81	82	82	82
	≥29	58	60	63	65	67	69	71	72	74	75	76	77	79	80	80	81	82	82	82
85–93	0–3	17	21	26	30	35	39	43	48	52	55	59	63	66	70	73	76	79	80	81
	4–13	26	29	34	38	42	46	50	54	57	60	63	66	69	72	74	77	79	80	81
	14–28	34	37	42	45	49	52	56	59	61	64	67	69	71	74	76	78	79	80	81
	≥29	41	45	48	52	55	58	60	63	65	67	69	71	73	75	76	78	79	80	81
94–100	0–3	5	9	14	19	24	29	34	39	43	48	52	57	61	66	70	75	77	77	77
	4–13	9	13	18	22	27	32	36	41	45	50	54	58	63	67	71	75	77	77	77
	14–28	12	16	21	25	30	35	39	43	47	52	56	60	64	67	71	75	77	77	77
	≥29	15	19	24	28	33	37	41	45	49	53	57	61	64	68	71	75	77	77	77

		Temperature: 25.5–30°C																	
RH (%)	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	95	95	95	95	95	96	96	96	96	96	96	97	97	97	97	97	98	99
	4–13	96	96	96	96	96	96	96	97	97	97	97	97	97	97	97	97	98	98
	14–28	96	96	96	97	97	97	97	97	97	97	97	97	97	97	97	97	98	98
	≥29	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	98	98
11–18	0–3	93	93	93	94	94	94	94	94	94	95	95	95	95	96	97	97	98	98
	4–13	94	94	94	94	94	94	95	95	95	95	95	95	96	97	97	97	97	97
	14–28	94	94	95	95	95	95	95	95	95	95	95	95	96	97	97	97	97	97
	≥29	95	95	95	95	95	95	95	95	95	95	95	95	96	97	97	97	97	97
19–28	0–3	91	91	92	92	92	92	92	92	93	93	93	93	94	95	95	96	96	96
	4–13	92	92	92	92	92	93	93	93	93	93	93	93	94	95	95	95	96	96
	14–28	92	92	93	93	93	93	93	93	93	93	93	93	94	95	95	95	95	95
	≥29	93	93	93	93	93	93	93	93	93	93	93	93	94	95	95	95	95	95
29–38	0–3	89	89	90	90	90	90	91	91	91	91	91	92	93	93	94	94	94	95
	4–13	90	90	90	90	90	91	91	91	91	91	92	93	93	93	94	94	94	94
	14–28	90	90	91	91	91	91	91	91	91	92	93	93	93	93	93	93	93	94
	≥29	91	91	91	91	91	91	91	91	91	92	93	93	93	93	93	93	93	93
39–49	0–3	87	88	88	88	88	89	89	89	89	90	91	91	91	92	92	92	92	93
	4–13	88	88	88	89	89	89	89	89	90	91	91	91	91	92	92	92	92	92
	14–28	88	89	89	89	89	89	89	89	90	91	91	91	91	91	91	91	91	92
	≥29	89	89	89	89	89	89	89	89	90	91	91	91	91	91	91	91	91	91
50–61	0–3	86	86	86	86	87	87	88	89	89	89	89	90	90	90	90	91	91	91
	4–13	86	86	87	87	87	87	88	89	89	89	89	89	89	90	90	90	90	90
	14–28	87	87	87	87	87	87	88	89	89	89	89	89	89	89	90	90	90	90
	≥29	87	87	87	87	87	87	88	89	89	89	89	89	89	89	89	89	89	89
62–73	0–3	84	84	85	85	86	87	87	87	87	87	88	88	88	88	88	88	89	89
	4–13	84	85	85	85	86	87	87	87	87	87	87	87	88	88	88	88	88	88
	14–28	85	85	85	85	86	87	87	87	87	87	87	87	87	87	87	87	87	88
	≥29	85	85	85	85	86	87	87	87	87	87	87	87	87	87	87	87	87	87
74–84	0–3	82	83	84	84	84	85	85	85	85	85	85	86	86	86	86	86	86	87
	4–13	82	83	84	84	84	85	85	85	85	85	85	85	85	85	86	86	86	86
	14–28	82	83	84	84	84	84	84	85	85	85	85	85	85	85	85	85	85	85
	≥29	82	83	84	84	84	84	84	84	85	85	85	85	85	85	85	85	85	85
85–93	0–3	81	81	81	82	82	82	82	82	82	83	83	83	83	83	83	83	83	84
	4–13	81	81	81	81	82	82	82	82	82	82	82	82	82	82	82	83	83	83
	14–28	81	81	81	81	81	81	82	82	82	82	82	82	82	82	82	82	82	82
	≥29	81	81	81	81	81	81	81	81	81	82	82	82	82	82	82	82	82	82
94–100	0–3	77	78	78	78	78	78	78	78	79	79	79	79	79	79	79	79	80	80
	4–13	77	77	77	78	78	78	78	78	78	78	78	78	78	78	79	79	79	79
	14–28	77	77	77	77	77	77	77	77	78	78	78	78	78	78	78	78	78	78
	≥29	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	78	78	78

F

See EXAMPLES on pages 26 and 48

FINE FUEL MOISTURE CODE

		Temperature: 30.5–35°C																		
RH (%)	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		
		FFMC																		
0–10	0–3	75	77	79	81	83	84	86	87	89	90	91	92	93	94	94	95	96	96	96
	4–13	83	85	86	87	89	90	91	91	92	93	94	94	95	95	96	96	97	97	97
	14–28	89	90	91	91	92	93	94	94	95	95	95	96	96	96	97	97	97	97	97
	≥29	92	93	94	94	94	95	95	96	96	96	96	97	97	97	97	97	97	97	98
11–18	0–3	73	75	77	79	81	83	84	85	87	88	89	90	91	92	93	93	94	94	94
	4–13	81	83	84	85	87	88	89	90	90	91	92	92	93	94	94	95	95	95	95
	14–28	87	88	89	90	90	91	92	92	93	93	94	94	94	95	95	95	95	95	96
	≥29	90	91	92	92	93	93	93	94	94	94	95	95	95	95	95	96	96	96	96
19–28	0–3	69	72	74	76	78	80	82	83	84	86	87	88	89	90	91	91	92	92	92
	4–13	78	80	82	83	84	85	86	87	88	89	90	90	91	92	92	93	93	93	93
	14–28	84	85	86	87	88	89	89	90	91	91	91	92	92	93	93	93	93	93	94
	≥29	88	89	89	90	90	91	91	92	92	92	93	93	93	93	93	94	94	94	94
29–38	0–3	65	68	70	73	75	77	78	80	82	83	84	85	86	87	88	89	90	90	90
	4–13	75	77	78	80	81	83	84	85	86	86	87	88	89	89	90	90	91	91	91
	14–28	81	82	84	85	85	86	87	88	88	89	89	90	90	90	91	91	91	91	91
	≥29	85	86	87	87	88	89	89	89	90	90	90	91	91	91	91	91	92	92	92
39–49	0–3	60	63	66	68	71	73	75	77	78	80	81	83	84	85	86	87	88	88	88
	4–13	71	73	75	76	78	79	81	82	83	84	85	86	86	87	87	88	88	89	89
	14–28	78	79	80	81	83	83	84	85	86	86	87	87	88	88	89	89	89	89	89
	≥29	82	83	84	85	85	86	87	87	87	88	88	88	88	89	89	89	89	90	90
50–61	0–3	53	56	60	63	65	68	70	72	74	76	78	79	81	82	84	85	86	86	86
	4–13	65	67	70	72	74	75	77	78	79	81	82	83	84	85	85	86	87	87	87
	14–28	73	75	76	78	79	80	81	82	83	84	84	85	85	86	86	87	87	87	87
	≥29	79	80	81	82	82	83	84	84	85	85	85	86	86	86	87	87	88	88	88
62–73	0–3	45	48	52	55	58	61	64	67	69	71	73	76	77	79	81	83	84	84	84
	4–13	58	60	63	65	68	70	72	74	75	77	78	79	81	82	83	84	85	85	85
	14–28	67	69	71	73	74	76	77	78	79	80	81	82	83	83	84	85	85	85	85
	≥29	74	75	76	77	78	79	80	81	82	82	82	83	83	84	84	85	85	85	86
74–84	0–3	33	37	41	45	49	53	56	59	62	65	68	71	73	75	78	80	81	82	82
	4–13	47	50	53	56	59	62	65	67	69	71	73	75	77	78	80	81	82	82	83
	14–28	57	60	62	65	67	69	71	72	74	75	77	78	79	80	81	82	83	83	83
	≥29	65	67	69	71	72	74	75	76	77	78	78	79	80	80	81	82	82	83	83
85–93	0–3	20	24	29	33	38	42	46	50	54	57	61	64	68	71	74	77	79	80	81
	4–13	31	34	39	43	46	50	54	57	60	63	66	68	71	73	76	78	79	80	81
	14–28	40	43	47	51	54	57	60	62	65	67	69	71	73	75	77	78	80	80	81
	≥29	48	51	54	57	60	62	64	67	68	70	72	73	75	76	78	79	80	80	81
94–100	0–3	6	10	15	20	25	30	35	39	44	49	53	57	62	66	70	75	78	78	78
	4–13	10	14	19	24	29	33	38	42	47	51	55	59	63	67	71	75	78	78	78
	14–28	14	18	23	27	32	36	41	45	49	53	57	61	64	68	71	75	78	78	78
	≥29	18	22	26	31	35	39	44	48	51	55	59	62	65	69	72	75	78	78	78

		Temperature: 30.5–35°C																	
RH (%)	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	97	97	97	97	97	97	97	97	98	98	98	98	98	99
	4–13	97	97	97	97	97	97	97	97	97	98	98	98	98	98	98	98	98	99
	14–28	97	97	97	97	97	98	98	98	98	98	98	98	98	98	98	98	98	99
	≥29	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	99
11–18	0–3	94	95	95	95	95	95	95	95	95	96	96	96	96	96	96	97	97	98
	4–13	95	95	95	95	95	96	96	96	96	96	96	96	96	96	96	97	97	98
	14–28	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	97	97	98
	≥29	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	97	97	98
19–28	0–3	92	93	93	93	93	93	93	93	94	94	94	94	94	95	96	96	96	97
	4–13	93	93	93	93	94	94	94	94	94	94	94	94	94	95	96	96	96	96
	14–28	94	94	94	94	94	94	94	94	94	94	94	94	94	95	96	96	96	96
	≥29	94	94	94	94	94	94	94	94	94	94	94	94	94	95	96	96	96	96
29–38	0–3	91	91	91	91	91	91	91	92	92	92	92	93	94	94	94	94	95	95
	4–13	91	91	91	91	92	92	92	92	92	92	92	93	94	94	94	94	94	94
	14–28	92	92	92	92	92	92	92	92	92	92	92	93	94	94	94	94	94	94
	≥29	92	92	92	92	92	92	92	92	92	92	92	93	94	94	94	94	94	94
39–49	0–3	89	89	89	89	89	89	90	90	90	91	92	92	92	92	92	93	93	93
	4–13	89	89	89	90	90	90	90	90	90	91	92	92	92	92	92	92	92	93
	14–28	90	90	90	90	90	90	90	90	90	91	92	92	92	92	92	92	92	92
	≥29	90	90	90	90	90	90	90	90	90	91	92	92	92	92	92	92	92	92
50–61	0–3	87	87	87	87	88	88	88	89	90	90	90	90	90	90	91	91	91	91
	4–13	87	87	87	88	88	88	88	89	90	90	90	90	90	90	90	90	90	90
	14–28	88	88	88	88	88	88	88	89	90	90	90	90	90	90	90	90	90	90
	≥29	88	88	88	88	88	88	88	89	90	90	90	90	90	90	90	90	90	90
62–73	0–3	85	85	85	86	86	87	88	88	88	88	88	88	88	88	89	89	89	89
	4–13	85	85	85	86	86	87	88	88	88	88	88	88	88	88	88	88	88	88
	14–28	85	86	86	86	86	87	87	88	88	88	88	88	88	88	88	88	88	88
	≥29	86	86	86	86	86	87	87	88	88	88	88	88	88	88	88	88	88	88
74–84	0–3	83	83	84	85	85	85	85	85	86	86	86	86	86	86	86	86	86	87
	4–13	83	83	84	85	85	85	85	85	85	85	86	86	86	86	86	86	86	86
	14–28	83	83	84	85	85	85	85	85	85	85	85	85	85	85	85	86	86	86
	≥29	83	83	84	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
85–93	0–3	82	82	82	82	82	82	82	83	83	83	83	83	83	83	83	83	83	84
	4–13	82	82	82	82	82	82	82	82	82	82	82	83	83	83	83	83	83	83
	14–28	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
	≥29	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
94–100	0–3	78	78	78	78	78	78	79	79	79	79	79	79	79	79	79	79	79	79
	4–13	78	78	78	78	78	78	78	78	78	78	78	78	78	78	79	79	79	79
	14–28	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
	≥29	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78

G

See EXAMPLES on pages 26 and 48

FINE FUEL MOISTURE CODE

		Temperature: $\geq 35.5^{\circ}\text{C}$																		
RH (%)	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		
		FFMC																		
0-10	0-3	83	84	86	87	88	90	91	91	92	93	94	94	95	96	96	97	97	97	
	4-13	90	90	91	92	93	94	94	95	95	96	96	96	97	97	97	97	98	98	98
	14-28	94	94	95	95	95	96	96	96	97	97	97	97	98	98	98	98	98	98	98
	≥ 29	96	96	96	97	97	97	97	97	98	98	98	98	98	98	98	98	98	98	98
11-18	0-3	81	82	84	85	87	88	89	90	91	91	92	93	93	94	95	95	95	96	96
	4-13	88	89	90	90	91	92	92	93	93	94	94	95	95	95	96	96	96	96	96
	14-28	92	92	93	93	94	94	95	95	95	95	96	96	96	96	96	96	97	97	97
	≥ 29	94	94	95	95	95	95	96	96	96	96	96	96	96	96	97	97	97	97	97
19-28	0-3	78	79	81	83	84	85	86	87	88	89	90	91	91	92	93	93	93	94	94
	4-13	85	86	87	88	89	90	90	91	91	92	92	93	93	93	94	94	94	94	94
	14-28	90	90	91	91	92	92	92	93	93	93	94	94	94	94	94	94	95	95	95
	≥ 29	92	92	93	93	93	93	94	94	94	94	94	94	94	94	95	95	95	95	95
29-38	0-3	74	75	77	79	81	82	83	84	86	86	87	88	89	90	90	91	91	92	92
	4-13	82	83	84	85	86	87	88	88	89	89	90	90	91	91	92	92	92	92	92
	14-28	87	87	88	89	89	90	90	90	91	91	91	92	92	92	92	92	93	93	93
	≥ 29	90	90	90	91	91	91	91	92	92	92	92	92	92	92	92	93	93	93	93
39-49	0-3	68	70	73	75	77	78	80	81	82	83	85	86	86	87	88	89	89	90	90
	4-13	78	79	81	82	83	84	85	85	86	87	87	88	88	89	89	90	90	90	90
	14-28	84	84	85	86	86	87	87	88	88	89	89	89	90	90	90	90	90	91	91
	≥ 29	87	87	88	88	88	89	89	89	90	90	90	90	90	90	90	91	91	91	91
50-61	0-3	62	64	67	69	71	73	75	77	78	80	81	82	83	85	86	86	87	87	88
	4-13	73	74	76	77	79	80	81	82	83	84	85	85	86	87	87	88	88	88	88
	14-28	80	81	82	82	83	84	85	85	86	86	87	87	87	88	88	88	88	88	88
	≥ 29	84	84	85	85	86	86	86	87	87	87	88	88	88	88	88	88	89	89	89
62-73	0-3	52	55	58	61	64	67	69	71	73	75	77	78	80	81	83	84	85	85	85
	4-13	65	67	70	71	73	75	76	78	79	80	81	82	83	84	84	85	86	86	86
	14-28	74	75	77	78	79	80	81	82	82	83	83	84	85	85	85	86	86	86	86
	≥ 29	79	80	81	82	82	83	83	84	84	85	85	85	85	85	86	86	86	86	86
74-84	0-3	40	43	47	51	54	57	60	63	66	68	71	73	75	77	79	81	82	83	83
	4-13	54	57	60	62	65	67	69	71	73	74	76	77	79	80	81	82	83	83	84
	14-28	65	66	69	70	72	74	75	76	77	78	79	80	81	82	82	83	84	84	84
	≥ 29	72	73	74	76	77	78	79	79	80	81	81	82	82	83	83	84	84	84	84
85-93	0-3	24	28	33	37	41	45	49	53	56	60	63	66	69	72	75	78	79	80	81
	4-13	36	40	44	48	51	54	57	60	63	66	68	70	73	75	77	79	80	80	81
	14-28	47	50	53	56	59	61	64	66	68	70	72	74	75	77	78	79	80	81	81
	≥ 29	56	58	60	63	65	67	69	70	72	73	75	76	77	78	79	80	80	81	81
94-100	0-3	8	12	17	22	26	31	36	40	45	49	54	58	62	67	71	75	78	78	78
	4-13	12	16	21	26	31	35	40	44	48	52	56	60	64	68	71	75	78	78	78
	14-28	17	21	25	30	34	39	43	47	51	55	58	62	65	69	72	75	78	78	78
	≥ 29	21	25	30	34	38	42	46	50	54	57	60	64	67	70	73	75	78	78	78

		Temperature: $\geq 35.5^{\circ}\text{C}$																	
RH (%)	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	98	98	98	98	98	99
	4-13	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	99
	14-28	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	99
	≥ 29	98	98	98	98	98	98	98	98	98	98	98	98	98	98	99	99	99	99
11-18	0-3	96	96	96	96	96	96	96	96	96	96	97	97	97	97	97	97	97	98
	4-13	96	96	96	96	96	97	97	97	97	97	97	97	97	97	97	97	97	98
	14-28	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	98
	≥ 29	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	98
19-28	0-3	94	94	94	94	94	94	94	94	95	95	95	95	95	95	96	96	96	97
	4-13	94	94	94	95	95	95	95	95	95	95	95	95	95	95	96	96	96	97
	14-28	95	95	95	95	95	95	95	95	95	95	95	95	95	95	96	96	96	97
	≥ 29	95	95	95	95	95	95	95	95	95	95	95	95	95	95	96	96	96	97
29-38	0-3	92	92	92	92	92	92	92	93	93	93	93	93	94	95	95	95	95	95
	4-13	92	92	92	93	93	93	93	93	93	93	93	93	94	94	95	95	95	95
	14-28	93	93	93	93	93	93	93	93	93	93	93	93	94	94	95	95	95	95
	≥ 29	93	93	93	93	93	93	93	93	93	93	93	93	94	94	95	95	95	95
39-49	0-3	90	90	90	90	90	90	91	91	91	91	92	93	93	93	93	93	93	93
	4-13	90	90	90	91	91	91	91	91	91	91	92	93	93	93	93	93	93	93
	14-28	91	91	91	91	91	91	91	91	91	91	92	93	93	93	93	93	93	93
	≥ 29	91	91	91	91	91	91	91	91	91	91	92	93	93	93	93	93	93	93
50-61	0-3	88	88	88	88	88	89	89	89	89	90	90	91	91	91	91	91	91	91
	4-13	88	88	88	89	89	89	89	89	90	90	91	91	91	91	91	91	91	91
	14-28	89	89	89	89	89	89	89	89	90	90	91	91	91	91	91	91	91	91
	≥ 29	89	89	89	89	89	89	89	89	90	90	91	91	91	91	91	91	91	91
62-73	0-3	86	86	86	86	86	87	88	88	88	89	89	89	89	89	89	89	89	89
	4-13	86	86	86	86	87	87	88	88	88	88	88	89	89	89	89	89	89	89
	14-28	86	86	87	87	87	87	88	88	88	88	88	88	88	88	89	89	89	89
	≥ 29	87	87	87	87	87	87	88	88	88	88	88	88	88	88	88	88	88	88
74-84	0-3	83	84	84	85	86	86	86	86	86	86	86	86	86	87	87	87	87	87
	4-13	84	84	84	85	86	86	86	86	86	86	86	86	86	86	86	86	86	86
	14-28	84	84	84	85	86	86	86	86	86	86	86	86	86	86	86	86	86	86
	≥ 29	84	84	84	85	86	86	86	86	86	86	86	86	86	86	86	86	86	86
85-93	0-3	82	83	83	83	83	83	83	83	83	83	83	83	83	83	83	84	84	84
	4-13	82	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
	14-28	82	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
	≥ 29	82	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
94-100	0-3	78	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79
	4-13	78	78	78	78	78	79	79	79	79	79	79	79	79	79	79	79	79	79
	14-28	78	78	78	78	78	78	78	78	78	78	78	78	78	79	79	79	79	79
	≥ 29	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78

H

See EXAMPLES on pages 26 and 48

Calculation Example

FFMC (Drying Table)

Table 2

Day	Temperature		RH	Wind		Rain	FFMC		DMC			DC			ISI	BUI	FWI
	(°C)	(°C)	(%)		(km/h)	(mm)	1	2	3	4	Duff Moisture Code	5	6	Drought Code	7	8	9
	Dry Bulb	Wet Bulb	Relative Humidity	Direction	Speed	24 Hour	Rain Code	Fine Fuel Moisture Code	Rain Code	Drying Factor		Rain Code	Drying Factor	Drought Code	Initial Spread Index	Buildup Index	Fire Weather Index
30/31								88									
25.5 - 30°																	
1	29.5		35		21			91				WITHOUT RAIN					
2	25		56		10		20	62				WITH RAIN					
20.5 - 25°																	

FUEL MOISTURE CODES

Drying Tables

■ *Table 2*

**Fine Fuel Moisture Code
(FFMC)**

■ *Table 4*

Duff Moisture Code (DMC)

■ *Table 6*

Drought Code (DC)

DUFF MOISTURE CODE

DMC

TABLE 4

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

See EXAMPLES on pages 30 and 48

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

See EXAMPLES on pages 30 and 48

Calculation Examples

DMC (Drying Table)

Table 4

Day	Temperature		RH	Wind		Rain		FFMC		DMC			DC			ISI	BUI	FWI
	(°C)	(°C)	(%)	(km/h)	(mm)	1	2	3	4	5	6	Drought Code	7	8	9			
	Dry Bulb	Wet Bulb	Relative Humidity	Direction	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																		

July																	
1	29.5		35							4	29			WITHOUT RAIN			
2	25		56					13	2	15			WITH RAIN				
July																	

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

DC (Drying Table)

Table 6

Day	Temperature		RH	Wind		Rain		FFMC		DMC			DC			ISI	BUI	FWI
	(°C)	(°C)	(%)	(km/h)	(mm)	1	2	3	4	5	6	Drought Code	7	8	9			
	Dry Bulb	Wet Bulb	Relative Humidity	Direction	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														193				

July																	
1	29.5													9	202		
2	25											178	8	186			
July																	

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

FIRE BEHAVIOR INDEXES

Table 7

Initial Spread Index (ISI)

Table 8

Buildup Index (BUI)

Table 9

Fire Weather Index (FWI)

INITIAL SPREAD INDEX

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

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	7	8	9	10	11	13	15
1	2.0	2.5	3	3	4	5	5	6	7	8	9	10	12	14	16
2	2.5	2.5	3	4	4	5	5	6	7	8	10	11	13	14	16
3	2.5	3	3	4	4	5	6	7	8	9	10	12	13	15	17
4	2.5	3	3	4	5	5	6	7	8	9	11	12	14	16	18
5	2.5	3	4	4	5	6	6	7	8	10	11	13	15	17	19
6	3	3	4	4	5	6	7	8	9	10	12	13	15	18	20
7	3	3	4	5	5	6	7	8	9	11	12	14	16	18	21
8	3	4	4	5	6	6	7	9	10	11	13	15	17	19	22
9	3	4	4	5	6	7	8	9	10	12	14	16	18	20	23
10	3	4	5	5	6	7	8	9	11	12	14	16	19	21	24
11	4	4	5	6	6	7	9	10	11	13	15	17	20	23	26
12	4	4	5	6	7	8	9	10	12	14	16	18	21	24	27
13	4	5	5	6	7	8	10	11	13	15	17	19	22	25	28
14	4	5	6	7	8	9	10	12	13	15	18	20	23	26	30
15	4	5	6	7	8	9	11	12	14	16	18	21	24	28	31
16	5	5	6	7	8	10	11	13	15	17	19	22	25	29	33
17	5	6	7	8	9	10	12	13	15	18	20	23	27	31	35
18	5	6	7	8	9	11	12	14	16	19	21	25	28	32	37
19	5	6	7	8	10	11	13	15	17	20	23	26	30	34	38
20	6	7	8	9	10	12	14	16	18	21	24	27	31	36	40
21	6	7	8	9	11	12	14	16	19	22	25	29	33	37	43
22	6	7	8	10	11	13	15	17	20	23	26	30	34	39	45
23	7	8	9	10	12	14	16	18	21	24	28	32	36	41	47
24	7	8	9	11	12	14	17	19	22	25	29	33	38	43	50
25	7	9	10	11	13	15	17	20	23	27	31	35	40	46	52
26	8	9	10	12	14	16	18	21	24	28	32	37	42	48	55
27	8	9	11	13	14	17	19	22	26	29	34	39	44	51	58
28	9	10	11	13	15	18	20	23	27	31	35	41	47	53	61
29	9	10	12	14	16	18	21	25	28	33	37	43	49	56	64
30	10	11	13	15	17	19	22	26	30	34	39	45	51	59	67
31	10	12	13	15	18	20	24	27	31	36	41	47	54	62	70
32	11	12	14	16	19	22	25	29	33	38	43	50	57	65	74
33	11	13	15	17	20	23	26	30	35	40	46	52	60	68	78
34	12	13	15	18	21	24	27	32	36	42	48	55	63	72	82
35	12	14	16	19	22	25	29	33	38	44	51	58	66	76	86
36	13	15	17	20	23	26	30	35	40	46	53	61	70	80	91
37	14	16	18	21	24	28	32	37	42	49	56	64	73	84	95
38	14	16	19	22	25	29	34	39	45	51	59	67	77	88	100
39	15	17	20	23	27	31	35	41	47	54	62	71	81	92	105
40	16	18	21	24	28	32	37	43	49	57	65	74	85	97	111
41	17	19	22	25	29	34	39	45	52	60	68	78	90	102	117
42	17	20	23	27	31	36	41	47	54	63	72	82	94	108	123
43	18	21	24	28	32	37	43	50	57	66	76	87	99	113	129
44	19	22	26	30	34	39	45	52	60	69	79	91	104	119	136
45	20	23	27	31	36	41	48	55	63	73	84	96	110	125	143
46	21	25	28	33	38	44	50	58	67	77	88	101	115	132	150
47	23	26	30	34	40	46	53	61	70	81	92	106	121	138	158
48	24	27	31	36	42	48	56	64	74	85	97	111	127	146	166
49	25	29	33	38	44	51	58	67	78	89	102	117	134	153	175
50	26	30	35	40	46	53	61	71	82	94	108	123	141	161	184

See EXAMPLES on pages 38 and 48

BUILDUP INDEX

DMC	DC													
	0 1 19	20 1 39	40 1 59	60 1 79	80 1 99	100 1 119	120 1 139	140 1 159	160 1 179	180 1 199	200 1 224	225 1 249	250 1 274	275 1 299
	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

See EXAMPLES on pages 38 and 48

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	BUJ																	
	58 63	64 69	70 75	76 82	83 89	90 97	98 106	107 116	117 128	129 142	143 159	160 180	181 206	207 238	239 277	278 324	325 381	≥382
	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

See EXAMPLES on pages 38 and 48

RELATIVE HUMIDITY TABLES

■ *Table 10_A*
Elevation: ≤ 305 m

■ *Table 10_B*
Elevation: 306–760 m

■ *Table 10_C*
Elevation: ≥ 761 m

Calculation Examples

ISI

Table 7

Day	Temperature		RH	Wind		Rain	FFMC		DMC			DC		ISI	BUI	FWI	
	(°C)	(°C)	(%)	(km/h)	(km/h)	(mm)	1	2	3	4		5	6		7	8	9
	Dry Bulb	Wet Bulb	Relative Humidity	Direction	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																	
1					21			91							14		
2					10			62							05		

BUI

Table 8

Day	Temperature		RH	Wind		Rain	FFMC		DMC			DC		ISI	BUI	FWI	
	(°C)	(°C)	(%)	(km/h)	(km/h)	(mm)	1	2	3	4		5	6		7	8	9
	Dry Bulb	Wet Bulb	Relative Humidity	Direction	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																	
1											21				43		
2											15			186	26		

FWI

Table 9

Day	Temperature		RH	Wind		Rain	FFMC		DMC			DC		ISI	BUI	FWI	
	(°C)	(°C)	(%)	(km/h)	(km/h)	(mm)	1	2	3	4		5	6		7	8	9
	Dry Bulb	Wet Bulb	Relative Humidity	Direction	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																	
1															14	43	27
2															0.5	26	1

MATHEMATICAL SYMBOLS

\leq Less than or equal to

\geq Greater than or equal to

RELATIVE HUMIDITY TABLE (Ventilated Thermometers)

ELEVATION: ≤ 305 m

RH

TABLE 10A

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	
	Relative Humidity (%)																				
-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		
0	100	91	83	75	68	61	55	49	43	38	33	28	24	19	16	12	8	5	2	1	
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

If Dry-Bulb Temperature is below 0°C,
let Relative Humidity equal 55%.

ELEVATION: ≤ 305 m

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
	Relative Humidity (%)																			
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

EXAMPLE

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

19	19	100
22.5	17	58
29	17	29

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
	Relative Humidity (%)																			
6	1																			
6.5	4	2	1																	
7	7	5	4	2	1															
7.5	10	8	6	5	4	2	1													
8	13	11	9	8	6	5	3	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	81	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

RELATIVE HUMIDITY TABLE

(Ventilated Thermometers)

ELEVATION: 306-760 m

RH

TABLE 10b

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

If Dry-Bulb Temperature is below 0°C,
set Relative Humidity equal 55%.

ELEVATION: 306-760 m

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
	Relative Humidity (%)																			
0.5	4	2																		
1	9	6	3	1																
1.5	13	10	8	5	3	1														
2	18	15	12	9	7	4	2													
2.5	22	19	16	13	11	8	6	4	2											
3	27	24	20	18	15	12	10	7	5	3	1									
3.5	32	28	25	22	19	16	14	11	9	7	5	3	1							
4	36	33	29	26	23	20	18	15	13	10	8	6	4	3	1					
4.5	41	37	34	31	27	24	22	19	16	14	12	10	8	6	4	2	1			
5	46	42	39	35	32	29	26	23	20	18	15	13	11	9	7	5	4	2	1	
5.5	51	47	43	40	36	33	30	27	24	21	19	17	14	12	10	8	7	5	4	2
6	56	52	48	44	41	37	34	31	28	25	23	20	18	16	14	12	10	8	6	5
6.5	61	57	53	49	45	41	38	35	32	29	26	24	21	19	17	15	13	11	9	8
7	67	62	58	54	50	46	42	39	36	33	30	27	25	22	20	18	16	14	12	10
7.5	72	67	63	58	54	50	47	43	40	37	34	31	28	26	24	21	19	17	15	13
8	77	72	68	63	59	55	51	48	44	41	38	35	32	29	27	25	22	20	18	16
8.5	83	78	73	68	64	60	56	52	48	45	42	39	36	33	30	28	26	23	21	19
9	89	83	78	73	69	64	60	56	53	49	46	43	40	37	34	31	29	27	24	22
9.5	94	89	83	78	74	69	65	61	57	53	50	47	43	40	38	35	32	30	28	25
10	100	94	89	84	79	74	70	66	62	58	54	51	47	44	41	38	36	33	31	29
10.5		100	94	89	84	79	75	70	66	62	58	55	51	48	45	42	39	37	34	32
11			100	94	89	84	79	75	71	67	63	59	55	52	49	46	43	40	37	35
11.5				100	95	89	84	80	75	71	67	63	59	56	53	50	46	44	41	38
12					100	95	90	85	80	76	71	67	64	60	57	53	50	47	44	42
12.5						100	95	90	85	80	76	72	68	64	61	57	54	51	48	45
13							100	95	90	85	81	76	72	68	65	61	58	55	51	49
13.5								100	95	90	85	81	77	73	69	65	62	58	55	52
14									100	95	90	86	81	77	73	69	66	62	59	56
14.5										100	95	90	86	81	77	73	70	66	63	59
15											100	95	90	86	82	78	74	70	66	63
15.5												100	95	91	86	82	78	74	70	67
16													100	95	91	86	82	78	74	71
16.5														100	95	91	87	82	78	75
17															100	95	91	87	83	79
17.5																100	95	91	87	83
18																	100	95	91	87
18.5																		100	96	91
19																			100	96
19.5																				100

EXAMPLE

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

19	19	100
22.5	17	59
29	17	30

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
	Relative Humidity (%)																			
5.5	1																			
6	3	2	1																	
6.5	6	5	3	2	1															
7	9	7	6	4	3															
7.5	12	10	9	7	6	4	3	2	1											
8	15	13	11	10	8	7	6	4	3	2	1									
8.5	17	16	14	12	11	9	8	7	5	4	3	2	1							
9	20	18	17	15	13	12	10	9	8	7	5	4	3	2	1					
9.5	23	21	19	18	16	14	13	11	10	9	8	6	5	4	3	2	1	1		
10	26	24	22	20	19	17	15	14	12	11	10	9	7	6	5	4	3	2	2	1
10.5	29	27	25	23	21	20	18	16	15	13	12	11	10	8	7	6	5	4	3	3
11	33	30	28	26	24	22	21	19	17	16	14	13	12	11	9	8	7	6	5	4
11.5	36	33	31	29	27	25	23	22	20	18	17	15	14	13	11	10	9	8	7	6
12	39	37	34	32	30	28	26	24	22	21	19	18	16	15	14	12	11	10	9	8
12.5	42	40	37	35	33	31	29	27	25	23	22	20	19	17	16	14	13	12	11	10
13	46	43	41	38	36	34	32	30	28	26	24	22	21	19	18	17	15	14	13	12
13.5	49	46	44	41	39	37	34	32	30	28	27	25	23	22	20	19	17	16	15	14
14	53	50	47	44	42	40	37	35	33	31	29	27	26	24	23	21	20	18	17	16
14.5	56	53	50	48	45	43	40	38	36	34	32	30	28	26	25	23	22	20	19	18
15	60	57	54	51	48	46	43	41	39	37	35	33	31	29	27	26	24	23	21	20
15.5	64	60	57	54	52	49	46	44	42	39	37	35	33	31	30	28	26	25	23	22
16	67	64	61	58	55	52	49	47	45	42	40	38	36	34	32	30	29	27	26	24
16.5	71	68	64	61	58	55	53	50	48	45	43	41	39	37	35	33	31	29	28	26
17	75	71	68	65	62	59	56	53	51	48	46	43	41	39	37	35	33	32	30	28
17.5	79	75	72	68	65	62	59	56	54	51	49	46	44	42	40	38	36	34	32	31
18	83	79	76	72	69	66	63	60	57	54	52	49	47	45	42	40	38	37	35	33
18.5	87	83	79	76	72	69	66	63	60	57	55	52	50	47	45	43	41	39	37	35
19	91	87	83	80	76	73	70	66	63	61	58	55	53	50	48	46	44	42	40	38
19.5	96	91	87	84	80	76	73	70	67	64	61	58	56	53	51	48	46	44	42	40
20	100	96	92	88	84	80	77	73	70	67	64	61	59	56	54	51	49	47	45	43
20.5		100	96	92	88	84	80	77	74	70	67	65	62	59	56	54	52	49	47	45
21			100	96	92	88	84	81	77	74	71	68	65	62	59	57	54	52	50	48
21.5				100	96	92	88	84	81	77	74	71	68	65	62	60	57	55	53	50
22					100	96	92	88	85	81	78	74	71	68	66	63	60	58	55	53
22.5						100	96	92	88	85	81	78	75	72	69	66	63	61	58	56
23							100	96	92	88	85	81	78	75	72	69	66	64	61	58
23.5								100	96	92	89	85	82	78	75	72	69	67	64	61
24									100	96	92	89	85	82	79	75	72	70	67	64
24.5										100	96	92	89	85	82	79	76	73	70	67
25											100	96	92	89	85	82	79	76	73	70
25.5												100	96	92	89	86	82	79	76	73
26													100	96	93	89	86	82	79	76
26.5														100	96	93	89	86	83	80
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

RELATIVE HUMIDITY TABLE

(Ventilated Thermometers)

ELEVATION: \geq 761 m

RH

TABLE 10c

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	
	Relative Humidity (%)																				
-5	11	6	2																		
-5.5	17	13	9	5	1																
-5	24	20	15	11	7	3															
-4.5	31	26	21	17	13	9	5	2													
-4	38	33	28	23	19	15	11	7	4	1											
-3.5	46	40	35	30	25	21	17	13	9	6	3										
-3	53	47	42	36	32	27	23	19	15	11	8	5	2								
-2.5	61	54	49	43	38	33	29	25	21	17	13	10	7	4	2						
-2	68	62	56	50	45	40	35	31	26	22	19	15	12	9	6	4	1				
-1.5	76	69	63	57	51	46	41	37	32	28	24	21	17	14	11	8	6	3	1		
-1	84	77	70	64	58	53	48	43	38	34	30	26	22	19	16	13	10	7	5	3	
-0.5	92	85	78	71	65	59	54	49	44	40	35	31	28	24	21	18	15	12	9	7	
0	100	92	84	77	70	64	58	52	47	42	37	33	29	25	21	18	14	11	8	6	
0.5		100	92	85	78	71	65	59	53	48	43	38	34	30	26	22	19	16	13	10	
1			100	92	85	78	72	65	60	54	49	44	40	35	31	27	24	20	17	14	
1.5				100	92	85	79	72	66	60	55	50	45	41	37	33	29	25	22	19	
2					100	93	86	79	73	67	61	56	51	46	42	38	34	30	27	23	
2.5						100	93	86	79	73	67	62	57	52	47	43	39	35	31	28	
3							100	93	86	80	74	68	63	58	53	48	44	40	36	32	
3.5								100	93	86	80	74	69	63	58	54	49	45	41	37	
4									100	93	87	81	75	69	64	59	54	50	46	42	
4.5										100	93	87	81	75	70	65	60	55	51	47	
5											100	93	87	81	76	70	65	61	56	52	
5.5												100	94	87	82	76	71	66	61	57	
6													100	94	88	82	76	71	66	62	
6.5														100	94	88	82	77	72	67	
7															100	94	88	83	77	72	
7.5																100	94	88	83	78	
8																	100	94	88	83	
8.5																		100	94	89	
9																				100	94
9.5																					100

If Dry-Bulb Temperature is below 0°C,
let Relative Humidity equal 55%.

ELEVATION: \geq 761 m

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
	Relative Humidity (%)																			
-1	1																			
-0.5	5	2																		
0	3	1																		
0.5	7	5	2																	
1	12	9	6	4	2															
1.5	16	13	10	8	6	4	1													
2	20	17	15	12	9	7	5	3	1											
2.5	25	22	19	16	13	11	9	7	5	3	1									
3	29	26	23	20	17	15	12	10	8	6	4	2	1							
3.5	34	30	27	24	21	19	16	14	12	9	7	6	4	2	1					
4	38	35	31	28	25	23	20	17	15	13	11	9	7	5	4	2	1			
4.5	43	39	36	33	29	27	24	21	19	16	14	12	10	8	7	5	3	2	1	
5	48	44	40	37	34	31	28	25	22	20	18	15	13	11	10	8	6	5	3	2
5.5	53	49	45	41	38	35	32	29	26	23	21	19	17	15	13	11	9	7	6	4
6	58	53	49	46	42	39	36	33	30	27	25	22	20	18	16	14	12	10	9	7
6.5	63	58	54	50	47	43	40	37	34	31	28	26	23	21	19	17	15	13	11	10
7	68	63	59	55	51	47	44	41	38	35	32	29	27	24	22	20	18	16	14	13
7.5	73	68	64	60	56	52	48	45	42	39	36	33	30	28	25	23	21	19	17	15
8	78	73	69	64	60	56	53	49	46	42	39	37	34	31	29	26	24	22	20	18
8.5	83	78	74	69	65	61	57	53	50	46	43	40	37	35	32	30	27	25	23	21
9	89	84	79	74	70	65	61	58	54	50	47	44	41	38	36	33	31	28	26	24
9.5	94	89	84	79	74	70	66	62	58	55	51	48	45	42	39	36	34	32	29	27
10	100	94	89	84	79	75	71	66	62	59	55	52	49	46	43	40	37	35	32	30
10.5		100	95	89	84	80	75	71	67	63	59	56	53	49	46	43	41	38	36	33
11			100	95	90	85	80	76	71	67	64	60	56	53	50	47	44	41	39	36
11.5				100	95	90	85	80	76	72	68	64	60	57	54	51	48	45	42	40
12					100	95	90	85	81	76	72	68	65	61	58	54	51	48	46	43
12.5						100	95	90	85	81	77	73	69	65	61	58	55	52	49	46
13							100	95	90	86	81	77	73	69	65	62	59	56	53	50
13.5								100	95	90	86	81	77	73	70	66	62	59	56	53
14									100	95	90	86	82	78	74	70	66	63	60	57
14.5										100	95	91	86	82	78	74	70	67	63	60
15											100	95	91	86	82	78	74	71	67	64
15.5												100	95	91	86	82	78	75	71	68
16													100	95	91	87	83	79	75	71
16.5														100	95	91	87	83	79	75
17															100	95	91	87	83	79
17.5																100	96	91	87	83
18																	100	96	91	87
18.5																		100	96	91
19																			100	96
19.5																				100

EXAMPLE

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

19	19	100
22.5	17	60
29	17	31

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
	Relative Humidity (%)																			
5	1																			
5.5	3	2	1																	
6	6	4	3	2	1															
6.5	8	7	6	4	3	2	1													
7	11	9	8	7	5	4	3	2	1											
7.5	14	12	11	9	8	7	5	4	3	2	1									
8	16	15	13	12	10	9	8	6	5	4	3	2	1							
8.5	19	18	16	14	13	11	10	9	7	6	5	4	3	2	1	1				
9	22	20	19	17	15	14	12	11	10	8	7	6	5	4	3	2	2	1		
9.5	25	23	21	19	18	16	15	13	12	11	9	8	7	6	5	4	3	3	2	1
10	28	26	24	22	20	19	17	16	14	13	12	10	9	8	7	6	5	4	3	3
10.5	31	29	27	25	23	21	20	18	17	15	14	13	11	10	9	8	7	6	5	4
11	34	32	30	28	26	24	22	21	19	18	16	15	13	12	11	10	9	8	7	6
11.5	37	35	33	31	29	27	25	23	21	20	18	17	16	14	13	12	11	10	9	8
12	40	38	36	33	31	29	27	26	24	22	21	19	18	17	15	14	13	12	11	10
12.5	44	41	39	36	34	32	30	28	26	25	23	22	20	19	17	16	15	14	13	12
13	47	44	42	39	37	35	33	31	29	27	26	24	22	21	20	18	17	16	15	13
13.5	50	48	45	42	40	38	36	34	32	30	28	26	25	23	22	20	19	18	16	15
14	54	51	48	46	43	41	39	36	34	32	31	29	27	25	24	22	21	20	18	17
14.5	57	54	51	49	46	44	41	39	37	35	33	31	30	28	26	25	23	22	20	19
15	61	58	55	52	49	47	44	42	40	38	36	34	32	30	29	27	25	24	23	21
15.5	64	61	58	55	53	50	47	45	43	40	38	36	34	33	31	29	28	26	25	23
16	68	65	62	59	56	53	50	48	46	43	41	39	37	35	33	32	30	28	27	25
16.5	72	68	65	62	59	56	54	51	49	46	44	42	40	38	36	34	32	31	29	27
17	76	72	69	66	62	60	57	54	51	49	47	44	42	40	38	36	35	33	31	30
17.5	79	76	72	69	66	63	60	57	55	52	50	47	45	43	41	39	37	35	33	32
18	83	80	76	73	69	66	63	60	58	55	52	50	48	46	43	41	39	38	36	34
18.5	87	84	80	76	73	70	67	64	61	58	55	53	51	48	46	44	42	40	38	36
19	92	88	84	80	77	73	70	67	64	61	59	56	53	51	49	47	44	42	41	39
19.5	96	92	88	84	80	77	74	70	67	64	62	59	56	54	52	49	47	45	43	41
20	100	96	92	88	84	81	77	74	71	68	65	62	59	57	54	52	50	48	45	44
20.5		100	96	92	88	84	81	77	74	71	68	65	62	60	57	55	52	50	48	46
21			100	96	92	88	84	81	78	74	71	68	65	63	60	58	55	53	51	48
21.5				100	96	92	88	85	81	78	75	72	69	66	63	60	58	56	53	51
22					100	96	92	88	85	81	78	75	72	69	66	63	61	58	56	54
22.5						100	96	92	88	85	82	78	75	72	69	66	64	61	59	56
23							100	96	92	89	85	82	78	75	72	69	67	64	62	59
23.5								100	96	92	89	85	82	79	76	73	70	67	64	62
24									100	96	92	89	85	82	79	76	73	70	67	65
24.5										100	96	92	89	85	82	79	76	73	70	68
25											100	96	93	89	86	82	79	76	73	71
25.5												100	96	93	89	86	83	79	76	74
26													100	96	93	89	86	83	80	77
26.5														100	96	93	89	86	83	80
27															100	96	93	89	86	83
27.5																100	96	93	90	86
28																	100	96	93	90
28.5																		100	96	93
29																			100	96
29.5																				100

Identifying Code for Provinces and Territories

Code	Province/Territory
NF	Newfoundland
PE	Prince Edward Island
NS	Nova Scotia
NB	New Brunswick
QC	Quebec
ON	Ontario
MB	Manitoba
SK	Saskatchewan
AB	Alberta
BC	British Columbia
NT	Northwest Territories
YT	Yukon Territory

Monthly Fire Weather Record

Month APRIL	Year	Station	Province/Territory	Elevation	Observer
-----------------------	------	---------	--------------------	-----------	----------

Day	Temperature		RH	Wind	Rain	FFMC		DMC			DC			ISI	BUI	FWI	
	(°C)	(°F)	(%)	(km/h)	(mm)	1	2	3	4	5	6	7	8	9			
	Dry Bulb	Wet Bulb	Relative Humidity	Direction	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																	
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
Total						12.8											

Monthly Fire Weather Record

Month MAY	Year	Station	Province/Territory	Elevation m	Observer
---------------------	------	---------	--------------------	----------------	----------

Day	Temperature		RH	Wind		Rain	FFMC		DMC			DC			ISI	BUI	FWI
	(°C)	(°C)	(%)	(km/h)	(mm)	1	2	3	4	5	6	7	8	9	7	8	9
	Dry Bulb	Wet Bulb	Relative Humidity	Direction	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								87		29				54			

1	14.5		69		11			85		2	31		5	59	4	32	9
2	15.5		42		8			87		3	34		5	64	4	35	9
3	21		37		8			90		4	38		6	70	6	38	13
4	23		32		16			90		5	43		7	77	10	41	20
5	23		32		14			90		5	48		7	84	9	49	21
6	27		33		12			91		5	53		7	91	9	53	22
7	28		17		27			95		6	59		7	98	34	58	54
8	23.5		54		20			89		2	61		7	105	10	63	24
9	16		50		22	12.2	17	60	28	3	31	89	5	94	1	34	2
10	11.5		58		20			76		2	33		4	98	2	34	4
11	16		54		16			83		2	35		5	103	4	39	10
12	21.5		37		9			89		4	39		6	109	6	41	14
13	14		61		22	0.2	89	87	39	2	41	109	5	114	8	43	18
14	15		30		27			88		3	44		5	119	13	45	25
15	20		23		11			91		4	48		6	125	9	51	21
16	14		95		3	16.4	15	17	21	1	22	94	5	99	0	27	0
17	20		53		4	2.8	8	49	17	2	19	99	6	105	0	27	0
18	19.5		30		16			80		4	23		6	111	2.5	31	6
19	25.5		51		20	6.0	25	75	13	4	17	104	7	111	2	25	4
20	10		38		24			84		1	18		4	115	6	25	10
21	19		27		16			90		4	22		6	121	10	30	17
22	26		46		11	4.2	36	78	15	4	19	120	7	127	1.5	28	3
23	30		38		22			90		5	24		8	135	13	32	22
24	25.5		67		19	12.6	17	67	11	3	14	117	7	124	1.5	22	2
25	12		53		28	11.8	12	50	6	2	8	103	4	107	0.5	14	0
26	21		38		8			81		4	12		6	113	2	19	3
27	13		70		20	3.8	36	62	9	2	11	105	5	110	1	18	1
28	9		78		24	1.4	46	60	11	1	12	110	4	114	1.5	19	2
29	11		54		16			76		2	14		4	118	1.5	21	2
30	15.5		39		9			84		3	17		5	123	3	26	6
31	18		36		5			88		3	20		6	129	4	28	8
Total						71.4											

Calculation Example

Month JULY	Year	Station	Province/Territory	Elevation	Observer
----------------------	------	---------	--------------------	-----------	----------

Day	Temperature		RH	Wind		Rain	FFMC		DMC			DC			ISI	BUI	FWI
	(°C)	(°F)	(%)	(km/h)	(mm)	1	2	3	4	5	6	Drought Code	7	8	9		
	Dry Bulb	Wet Bulb	Relative Humidity	Direction	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	29.5		35		21			91		4	29		9	200	14	43	27
2	25		56		10	11.2	20	62	13	2	15	178	8	186	0.5	26	1
3	25.5		47		18	1.4	46	83	15	3	18	186	8	194	4	28	8
4																	

Monthly Fire Weather Record

Month	Year	Station	Province/Territory	Elevation m	Observer
-------	------	---------	--------------------	----------------	----------

Day	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	Direction	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																	

1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
Total																	

--	--	--	--	--	--

Circle estimated weather observation(s).