

Calibration Chart for use with the Radson, Dole 300, and Gilmore-Tatge moisture meters

Species	Moisture	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0
	Content%	Meter Reading of A Scale												
ash, green <i>Fraxinus pennsylvanica</i>		41	44	47	50	53	56	59	62	65	68	71	74	76
ash, white <i>Fraxinus americana</i>														
autumn-olive – berries <i>Elaeagnus umbellata</i>														
autumn-olive – seed <i>Elaeagnus umbellata</i>														
bald cypress <i>Taxodium distichum</i>		40	42	44	47	49	51	54	56	58	61	63	65	68
birch, paper <i>Betula papyrifera</i>		20	22	24	26	28	30	32	33	35	37	39	41	43
birch, yellow <i>Betula alleghaniensis</i>		8		9		10		12		13		14		15
bitterbrush <i>Purshia tridentata</i>		75	78	81	84	87	91	94	97	100	103	106	109	112
blackgum <i>Nyssa sylvatica</i>		78	81	84	87	90	92	95	98	101	103	106	109	112
buttonbush* <i>Cephalanthus occidentalis</i>		47	49	51	52	54	56	58	60	62	64	66	68	70
cherry, black* <i>Prunus serotina</i>		76	79	82	85	88	90	93	96	99	102	105	107	110
dogwood, flowering <i>Cornus florida</i>		79	81	83	86	88	90	93	95	98	100	102	105	107
dogwood, red-osier* <i>Cornus sericea</i>		73	76	78	80	83	85	88	90	92	95	97	100	102
dogwood, silky* <i>Cornus amomum</i>		78	80	82	84	86	88	90	93	95	97	99	101	104
Douglas-fir, coastal <i>Psuedotsuga menziesii</i> var. <i>menziesii</i>														
Douglas-fir, Rocky Mtn. <i>Psuedotsuga menziesii</i> var. <i>glauca</i>		52	56	60	63	67	71	75	79	83	87	91	85	99
eastern redcedar <i>Juniperus virginiana</i>		74	77	81	84	88	91	95	98	101	105	108	112	115

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	Content%	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0
fir, balsam <i>Abies balsamea</i>		52	55	57	60	62	65	68	72	75	78	83	86	91
fir, Fraser <i>Abies fraseri</i>		48	50	52	54	56	59	60	62	64	66	68	70	72
fir, grand <i>Abies grandis</i>		66	71	76	80	85	89	94	98	103	107	112	116	121
fir, noble <i>Abies procera</i>														
fir, Pacific silver <i>Abies amabilis</i>														
fir, red <i>Abies magnifica</i> var. <i>magnifica</i>		63	67	71	75	79	83	87	91	95	100	104	108	112
fir, Shasta red <i>Abies magnifica</i> var. <i>shastensis</i>		68	71	74	77	80	83	86	88	91	94	97	100	103
fir, subalpine* <i>Abies lasiocarpa</i> var. <i>lasiocarpa</i>		40	45	50	55	60	66	71	77	83	88	94	100	106
fir, white* <i>Abies concolor</i>		42	47	52	57	62	68	74	79	85	90	96	102	107
haw, apple <i>Crataegus opaca</i>		76	79	82	85	89	92	95	98	102	105	108	111	114
hawthorn, Washington <i>Crataegus phaenopyrum</i>		78	80	83	85	88	91	93	96	99	101	104	106	109
hemlock, canadian <i>Tsuga canadensis</i>		51	54	56	59	61	64	66	69	71	73	78	81	83
hemlock, western <i>Tsuga heterophylla</i>		74	77	79	82	85	87	90	92	95	97	100	103	105
honeysuckle, Amur <i>Lonicera maackii</i>		62	66	69	73	76	80	83	87	91	94	98	101	105
honeysuckle, Tatarian <i>Lonicera tatarica</i>		74	77	80	82	85	88	90	93	96	98	101	104	106
incense-cedar** <i>Calocedrus decurrens</i>		44	47	49	51	54	56	59	61	64	66	69	71	74
larch, eastern – tamarack <i>Larix laricina</i>		95	96	98	99	101	102	104	105	107	108	109	111	112

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	Content%	Meter Reading of A Scale												
larch, western <i>Larix occidentalis</i>		68	72	74	77	80	83	86	89	92	95	98	101	104
maple, sugar <i>Acer saccharum</i>		40	42	44	46	47	49	51	53	55	57	59	60	62
ninebark <i>Physocarpus opulifolius</i>		75	77	80	82	85	87	90	92	95	98	100	103	105
northern white-cedar <i>Thuja occidentalis</i>		32	34	37	39	42	44	47	49	52	54	57	59	62
persimmon <i>Diospyros virginiana</i>		79	82	84	87	90	92	95	97	100	103	105	108	111
pine, bishop <i>Pinus muricata</i>		72	75	79	83	87	91	94	98	101	106	110	113	117
pine, bristlecone <i>Pinus aristata</i>		72	76	80	84	87	91	95	99	103	106	110	114	118
pine, Coulter <i>Pinus coulteri</i>		75	79	83	87	91	95	99	103	107	111	115	119	123
pine, eastern white <i>Pinus strobus</i>		78	80	83	86	90	94	98	104	108	114	119	124	129
pine, jack <i>Pinus banksiana</i>														
pine, Japanese black <i>Pinus thunbergiana</i>														
pine, Jeffrey <i>Pinus jeffreyi</i>		78	82	85	89	93	97	101	104	108	112	116	120	124
pine, limber <i>Pinus flexilis</i>		78	82	85	89	93	97	101	105	109	112	118	122	126
pine, loblolly <i>Pinus taeda</i>		78	81	84	87	90	93	95	98	101	103	106	109	111
pine, lodgepole <i>Pinus contorta</i>		73	76	80	84	88	92	96	100	104	108	113	118	122
pine, longleaf – dewinged* <i>Pinus palustris</i>		45	46	48	50	52	53	55	57	58	60	62	64	66
pine, longleaf – winged* <i>Pinus palustris</i>		41	43	45	47	49	50	52	54	56	58	60	62	63
pine, Monterey <i>Pinus radiata</i>		70	74	77	81	85	88	92	96	99	103	106	110	113

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	Moisture Content%	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0
Species		Meter Reading of A Scale												
pine, pinyon <i>Pinus edulis</i>		88	92	95	99	102	106	109	113	116	120	123	127	130
pine, pitch <i>Pinus rigida</i>														
pine, pond <i>Pinus serotina</i>		76	78	80	81	84	86	89	92	96	100	105	110	114
pine, ponderosa <i>Pinus ponderosa</i>		79	82	85	88	92	96	100	104	108	113	118	123	128
pine, red <i>Pinus resinosa</i>		76	79	82	84	88	91	94	98	102	106	111	114	118
pine, sand <i>Pinus clausa</i>		76	80	84	88	91	95	99	103	107	110	114	118	122
pine, Scotch <i>Pinus sylvestris</i>		75	79	83	87	91	96	100	104	108	113	118	122	126
pine, shortleaf <i>Pinus echinata</i>		76	80	82	85	88	92	95	99	103	107	112	116	120
pine, slash <i>Pinus elliotii</i>		70	74	77	81	84	87	91	94	97	100	101	105	108
pine, southwestern white <i>Pinus strobiformis</i>		75	78	81	84	87	90	93	96	99	102	105	108	111
pine, sugar <i>Pinus lambertiana</i>		74	79	83	88	93	98	103	107	112	117	122	127	131
pine, Virginia <i>Pinus virginiana</i>		74	77	79	82	86	88	92	96	100	105	110	114	119
pine, western white <i>Pinus monticola</i>		80	84	87	91	94	98	101	105	108	112	115	119	122
redbud <i>Cercis canadensis</i>														
redwood* <i>Sequoia sempervirens</i>		72	75	78	81	84	88	91	94	97	100	104	107	110
sequoia* <i>Sequoiadendron giganteum</i>		47	50	53	56	59	61	64	67	70	73	76	79	82
spruce, black <i>Picea mariana</i>		50	52	54	57	59	61	64	66	69	71	73	76	78
spruce, Colorado blue <i>Picea pungens</i>		78	83	87	92	96	101	106	112	118	126	134	142	150

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Species	Meter Reading of A Scale												
spruce, Engelmann <i>Picea engelmannii</i>													
spruce, Norway <i>Picea abies</i>	56	59	61	64	67	71	74	78	82	86	91	95	100
spruce, Sitka <i>Picea sitchensis</i>	74	78	82	86	90	94	97	101	105	109	113	117	121
spruce, white* <i>Picea glauca</i>	44	47	49	53	56	60	65	70	76	83	92	101	111
sweetgum* <i>Liquidambar styraciflua</i>	30	36	41	47	53	59	64	70	76	82	87	93	99
sycamore, American* <i>Platanus occidentalis</i>	25	30	34	38	42	47	51	55	59	64	68	72	79
tupelo, water <i>Nyssa aquatica</i>	66	68	71	74	76	79	81	84	87	89	92	94	97
western redcedar <i>Thuja plicata</i>													
yellow-poplar – winged <i>Liriodendron tulipifera</i>													
yellow-poplar – dewinged* <i>Liriodendron tulipifera</i>	43		47		52		57		62		67		73
yew, Japanese <i>Taxus cuspidata</i>	78	82	85	89	93	96	100	103	107	110	114	118	121

\* - use a 3 oz. sample

\*\* - fill the cup full of seed

<i>Abies amabilis</i>	fir, Pacific silver
<i>Abies balsamea</i>	fir, balsam
<i>Abies concolor</i>	fir, white
<i>Abies fraseri</i>	fir, Fraser
<i>Abies grandis</i>	fir, grand
<i>Abies lasiocarpa</i> var. <i>lasiocarpa</i>	fir, subalpine
<i>Abies magnifica</i> var. <i>magnifica</i>	fir, red
<i>Abies magnifica</i> var. <i>shastensis</i>	fir, Shasta red
<i>Abies procera</i>	fir, noble
<i>Acer saccharum</i>	maple, sugar
<i>Betula alleghaniensis</i>	birch, yellow
<i>Betula papyrifera</i>	birch, paper
<i>Calocedrus decurrens</i>	incense-cedar
<i>Cephalanthus occidentalis</i>	buttonbush
<i>Cercis canadensis</i>	redbud
<i>Cornus amomum</i>	dogwood, silky
<i>Cornus florida</i>	dogwood, flowering
<i>Cornus sericea</i>	dogwood, red-osier
<i>Crataegus opaca</i>	haw, apple
<i>Crataegus phaenopyrum</i>	hawthorn, Washington
<i>Diospyros virginiana</i>	persimmon
<i>Elaeagnus umbellata</i>	autumn-olive – berries
<i>Elaeagnus umbellata</i>	autumn-olive – seed
<i>Fraxinus americana</i>	ash, white
<i>Fraxinus pennsylvanica</i>	ash, green
<i>Juniperus virginiana</i>	eastern redcedar
<i>Larix laricina</i>	larch, eastern – tamarack
<i>Larix occidentalis</i>	larch, western
<i>Liquidambar styraciflua</i>	sweetgum
<i>Liriodendron tulipifera</i>	yellow-poplar – winged
<i>Liriodendron tulipifera</i>	yellow-poplar – dewinged
<i>Lonicera maackii</i>	honeysuckle, Amur
<i>Lonicera tatarica</i>	honeysuckle, Tatarian
<i>Nyssa aquatica</i>	tupelo, water
<i>Nyssa sylvatica</i>	blackgum
<i>Physocarpus opulifolius</i>	ninebark
<i>Picea abies</i>	spruce, Norway
<i>Picea engelmannii</i>	spruce, Engelmann
<i>Picea glauca</i>	spruce, white
<i>Picea mariana</i>	spruce, black
<i>Picea pungens</i>	spruce, Colorado blue
<i>Picea sitchensis</i>	spruce, Sitka
<i>Pinus aristata</i>	pine, bristlecone
<i>Pinus banksiana</i>	pine, jack
<i>Pinus clausa</i>	pine, sand

<i>Pinus contorta</i>	pine, lodgepole
<i>Pinus coulteri</i>	pine, Coulter
<i>Pinus echinata</i>	pine, shortleaf
<i>Pinus edulis</i>	pine, pinyon
<i>Pinus elliottii</i>	pine, slash
<i>Pinus flexilis</i>	pine, limber
<i>Pinus jeffreyi</i>	pine, Jeffrey
<i>Pinus lambertiana</i>	pine, sugar
<i>Pinus monticola</i>	pine, western white
<i>Pinus muricata</i>	pine, bishop
<i>Pinus palustris</i>	pine, longleaf – dewinged
<i>Pinus palustris</i>	pine, longleaf – winged
<i>Pinus ponderosa</i>	pine, ponderosa
<i>Pinus radiata</i>	pine, Monterey
<i>Pinus resinosa</i>	pine, red
<i>Pinus rigida</i>	pine, pitch
<i>Pinus serotina</i>	pine, pond
<i>Pinus strobiformis</i>	pine, southwestern white
<i>Pinus strobus</i>	pine, eastern white
<i>Pinus sylvestris</i>	pine, Scotch
<i>Pinus taeda</i>	pine, loblolly
<i>Pinus thunbergiana</i>	pine, Japanese black
<i>Pinus virginiana</i>	pine, Virginia
<i>Platanus occidentalis</i>	sycamore, American*
<i>Prunus serotina</i>	cherry, black
<i>Psuedotsuga menziesii</i> var. <i>glauca</i>	Douglas-fir, Rocky Mtn.
<i>Psuedotsuga menziesii</i> var. <i>menziesii</i>	Douglas-fir, coastal
<i>Purshia tridentata</i>	bitterbrush
<i>Sequoia sempervirens</i>	redwood
<i>Sequoiadendron giganteum</i>	sequoia
<i>Taxodium distichum</i>	bald cypress
<i>Taxus cuspidata</i>	yew, Japanese
<i>Thuja occidentalis</i>	northern white-cedar
<i>Thuja plicata</i>	western redcedar
<i>Tsuga canadensis</i>	hemlock, Canadian
<i>Tsuga heterophylla</i>	hemlock, western