

MOTOMCO 919 MOISTURE METER CHART

TIMOTHY SEED

Sample Size **190 GRAMS** Calibrate at **63**

7.6% to 28% Moisture

$$\% \text{ MOISTURE} = 12.8555 + (0.20587 * \text{MR}) + (0.00000142 * \text{MR}^2) - (0.0000000126 * \text{MR}^3) - (0.07 * \text{T})$$

METER READING & PERCENT MOISTURE

1	7.67	16	10.76	31	13.85	46	16.94	61	20.03	76	23.12	91	26.21
1 1/2	7.77	16 1/2	10.86	31 1/2	13.95	46 1/2	17.04	61 1/2	20.13	76 1/2	23.22	91 1/2	26.31
2	7.88	17	10.97	32	14.05	47	17.14	62	20.23	77	23.33	92	26.42
2 1/2	7.98	17 1/2	11.07	32 1/2	14.16	47 1/2	17.25	62 1/2	20.34	77 1/2	23.43	92 1/2	26.52
3	8.08	18	11.17	33	14.26	48	17.35	63	20.44	78	23.53	93	26.62
3 1/2	8.19	18 1/2	11.27	33 1/2	14.36	48 1/2	17.45	63 1/2	20.54	78 1/2	23.63	93 1/2	26.73
4	8.29	19	11.38	34	14.47	49	17.56	64	20.65	79	23.74	94	26.83
4 1/2	8.39	19 1/2	11.48	34 1/2	14.57	49 1/2	17.66	64 1/2	20.75	79 1/2	23.84	94 1/2	26.93
5	8.49	20	11.58	35	14.67	50	17.76	65	20.85	80	23.94	95	27.03
5 1/2	8.60	20 1/2	11.69	35 1/2	14.78	50 1/2	17.87	65 1/2	20.96	80 1/2	24.05	95 1/2	27.14
6	8.70	21	11.79	36	14.88	51	17.97	66	21.06	81	24.15	96	27.24
6 1/2	8.80	21 1/2	11.89	36 1/2	14.98	51 1/2	18.07	66 1/2	21.16	81 1/2	24.25	96 1/2	27.34
7	8.91	22	12.00	37	15.08	52	18.17	67	21.26	82	24.36	97	27.45
7 1/2	9.01	22 1/2	12.10	37 1/2	15.19	52 1/2	18.28	67 1/2	21.37	82 1/2	24.46	97 1/2	27.55
8	9.11	23	12.20	38	15.29	53	18.38	68	21.47	83	24.56	98	27.65
8 1/2	9.22	23 1/2	12.30	38 1/2	15.39	53 1/2	18.48	68 1/2	21.57	83 1/2	24.66	98 1/2	27.76
9	9.32	24	12.41	39	15.50	54	18.59	69	21.68	84	24.77	99	27.86
9 1/2	9.42	24 1/2	12.51	39 1/2	15.60	54 1/2	18.69	69 1/2	21.78	84 1/2	24.87	99 1/2	27.96
10	9.52	25	12.61	40	15.70	55	18.79	70	21.88	85	24.97	100	28.07
10 1/2	9.63	25 1/2	12.72	40 1/2	15.81	55 1/2	18.90	70 1/2	21.99	85 1/2	25.08		
11	9.73	26	12.82	41	15.91	56	19.00	71	22.09	86	25.18		
11 1/2	9.83	26 1/2	12.92	41 1/2	16.01	56 1/2	19.10	71 1/2	22.19	86 1/2	25.28		
12	9.94	27	13.03	42	16.11	57	19.20	72	22.30	87	25.39		
12 1/2	10.04	27 1/2	13.13	42 1/2	16.22	57 1/2	19.31	72 1/2	22.40	87 1/2	25.49		
13	10.14	28	13.23	43	16.32	58	19.41	73	22.50	88	25.59		
13 1/2	10.25	28 1/2	13.33	43 1/2	16.42	58 1/2	19.51	73 1/2	22.60	88 1/2	25.70		
14	10.35	29	13.44	44	16.53	59	19.62	74	22.71	89	25.80		
14 1/2	10.45	29 1/2	13.54	44 1/2	16.63	59 1/2	19.72	74 1/2	22.81	89 1/2	25.90		
15	10.55	30	13.64	45	16.73	60	19.82	75	22.91	90	26.00		
15 1/2	10.66	30 1/2	13.75	45 1/2	16.84	60 1/2	19.93	75 1/2	23.02	90 1/2	26.11		

* indicates extrapolated value

Temperature Correction (°F)

40	2.59	50	1.89	60	1.19	70	0.49	80	-0.21	90	-0.91
41	2.52	51	1.82	61	1.12	71	0.42	81	-0.28	91	-0.98
42	2.45	52	1.75	62	1.05	72	0.35	82	-0.35	92	-1.05
43	2.38	53	1.68	63	0.98	73	0.28	83	-0.42	93	-1.12
44	2.31	54	1.61	64	0.91	74	0.21	84	-0.49	94	-1.19
45	2.24	55	1.54	65	0.84	75	0.14	85	-0.56	95	-1.26
46	2.17	56	1.47	66	0.77	76	0.07	86	-0.63	96	-1.33
47	2.10	57	1.40	67	0.70	77	0.00	87	-0.70	97	-1.40
48	2.03	58	1.33	68	0.63	78	-0.07	88	-0.77	98	-1.47
49	1.96	59	1.26	69	0.56	79	-0.14	89	-0.84	99	-1.54

TENTATIVE

Chart TM-1

Effective

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