

MOTOMCO 919 MOISTURE METER CHART

Sample Size **250** Grams

Calibrate at **53**

CORN
8% to 21% Moisture

$$\% \text{ MOISTURE} = 10.17 + (0.123 * MR) + (0.00129 * MR^2) - (0.0000046 * MR^3) - (0.049161 * T)$$

METER READING & PERCENT MOISTURE

1	18	8.99	35	12.07	52	15.62	69	19.50	86
1 1/2	18 1/2	9.07	35 1/2	12.17	52 1/2	15.73	69 1/2	19.62	86 1/2
2	19	9.16	36	12.27	53	15.84	70	19.74	87
2 1/2	19 1/2	9.24	36 1/2	12.37	53 1/2	15.95	70 1/2	19.86	87 1/2
3	20	9.32	37	12.47	54	16.06	71	19.97	88
3 1/2	20 1/2	9.41	37 1/2	12.57	54 1/2	16.18	71 1/2	20.09	88 1/2
4	21	9.49	38	12.67	55	16.29	72	20.21	89
4 1/2	21 1/2	9.58	38 1/2	12.77	55 1/2	16.40	72 1/2	20.33	89 1/2
5	22	9.67	39	12.87	56	16.51	73	20.45	90
5 1/2	22 1/2	9.75	39 1/2	12.97	56 1/2	16.62	73 1/2	20.57	90 1/2
6	23	9.84	40	13.07	57	16.73	74	20.69	91
6 1/2	23 1/2	9.93	40 1/2	13.18	57 1/2	16.85	74 1/2	20.81	91 1/2
7	24	10.02	41	13.28	58	16.96	75	20.93	92
7 1/2	24 1/2	10.10	41 1/2	13.38	58 1/2	17.07	75 1/2	21.04	92 1/2
8	25	10.19	42	13.49	59	17.19	76	21.16	93
8 1/2	25 1/2	10.28	42 1/2	13.59	59 1/2	17.30	76 1/2	21.28	93 1/2
9	26	10.37	43	13.69	60	17.42	77	21.40	94
9 1/2	26 1/2	10.46	43 1/2	13.80	60 1/2	17.53	77 1/2	21.52	94 1/2
10	27	10.56	44	13.90	61	17.64	78	21.64	95
10 1/2	27 1/2	10.65	44 1/2	14.01	61 1/2	17.76	78 1/2	21.76	95 1/2
11 7.89 *	28	10.74	45	14.11	62	17.87	79	21.88	96
11 1/2 7.96 *	28 1/2	10.83	45 1/2	14.22	62 1/2	17.99	79 1/2	22.00	96 1/2
12 8.04 *	29	10.92	46	14.32	63	18.10	80		97
12 1/2 8.11 *	29 1/2	11.02	46 1/2	14.43	63 1/2	18.22	80 1/2		97 1/2
13 8.19 *	30	11.11	47	14.54	64	18.33	81		98
13 1/2 8.27 *	30 1/2	11.21	47 1/2	14.64	64 1/2	18.45	81 1/2		98 1/2
14 8.35 *	31	11.30	48	14.75	65	18.57	82		99
14 1/2 8.43 *	31 1/2	11.40	48 1/2	14.86	65 1/2	18.68	82 1/2		99 1/2
15 8.50 *	32	11.49	49	14.97	66	18.80	83		
15 1/2 8.58 *	32 1/2	11.59	49 1/2	15.08	66 1/2	18.92	83 1/2		
16 8.66 *	33	11.68	50	15.18	67	19.03	84		
16 1/2 8.74	33 1/2	11.78	50 1/2	15.29	67 1/2	19.15	84 1/2		
17 8.83	34	11.88	51	15.40	68	19.27	85		
17 1/2 8.91	34 1/2	11.97	51 1/2	15.51	68 1/2	19.38	85 1/2		

* indicates extrapolated value

Temperature Correction (°F)

40	1.82	50	1.33	60	0.84	70	0.34	80	-0.15	90	-0.64
41	1.77	51	1.28	61	0.79	71	0.30	81	-0.20	91	-0.69
42	1.72	52	1.23	62	0.74	72	0.25	82	-0.25	92	-0.74
43	1.67	53	1.18	63	0.69	73	0.20	83	-0.30	93	-0.79
44	1.62	54	1.13	64	0.64	74	0.15	84	-0.34	94	-0.84
45	1.57	55	1.08	65	0.59	75	0.10	85	-0.39	95	-0.89
46	1.53	56	1.03	66	0.54	76	0.05	86	-0.44	96	-0.93
47	1.48	57	0.98	67	0.49	77	0.00	87	-0.49	97	-0.98
48	1.43	58	0.93	68	0.44	78	-0.05	88	-0.54	98	-1.03
49	1.38	59	0.89	69	0.39	79	-0.10	89	-0.59	99	-1.08

TENTATIVE

Chart C-1-14

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