

MOTOMCO 919 MOISTURE METER CHART

SOYBEAN

Sample Size Grams **250** Calibrate at **53** 7% to 21% Moisture
 % MOISTURE = $11.8885 + (0.1734 * MR) - (0.001123 * MR^2) + (0.00007695 * MR^3) - (0.055581 * T)$

METER READING & PERCENT MOISTURE

1	7.78	18	10.41	35	12.63	52	14.67	69	16.75	86	19.11
1 1/2	7.87	18 1/2	10.48	35 1/2	12.69	52 1/2	14.73	69 1/2	16.82	86 1/2	19.19
2	7.95	19	10.55	36	12.75	53	14.79	70	16.88	87	19.26
2 1/2	8.04	19 1/2	10.62	36 1/2	12.82	53 1/2	14.85	70 1/2	16.95	87 1/2	19.34
3	8.12	20	10.69	37	12.88	54	14.91	71	17.01	88	19.42
3 1/2	8.20	20 1/2	10.76	37 1/2	12.94	54 1/2	14.97	71 1/2	17.08	88 1/2	19.49
4	8.28	21	10.83	38	13.00	55	15.03	72	17.14	89	19.57
4 1/2	8.37	21 1/2	10.89	38 1/2	13.06	55 1/2	15.09	72 1/2	17.21	89 1/2	19.65
5	8.45	22	10.96	39	13.12	56	15.15	73	17.28	90	19.73
5 1/2	8.53	22 1/2	11.03	39 1/2	13.18	56 1/2	15.21	73 1/2	17.34	90 1/2	19.81
6	8.61	23	11.10	40	13.24	57	15.27	74	17.41	91	19.89
6 1/2	8.69	23 1/2	11.16	40 1/2	13.30	57 1/2	15.33	74 1/2	17.48	91 1/2	19.97
7	8.77	24	11.23	41	13.36	58	15.39	75	17.54	92	20.05
7 1/2	8.85	24 1/2	11.30	41 1/2	13.42	58 1/2	15.45	75 1/2	17.61	92 1/2	20.13
8	8.93	25	11.36	42	13.48	59	15.51	76	17.68	93	20.21
8 1/2	9.01	25 1/2	11.43	42 1/2	13.54	59 1/2	15.57	76 1/2	17.75	93 1/2	20.29
9	9.08	26	11.49	43	13.60	60	15.63	77	17.82	94	20.38
9 1/2	9.16	26 1/2	11.56	43 1/2	13.66	60 1/2	15.69	77 1/2	17.88	94 1/2	20.46
10	9.24	27	11.62	44	13.72	61	15.75	78	17.95	95	20.54
10 1/2	9.31	27 1/2	11.69	44 1/2	13.78	61 1/2	15.82	78 1/2	18.02	95 1/2	20.63
11	9.39	28	11.75	45	13.84	62	15.88	79	18.09	96	20.71
11 1/2	9.47	28 1/2	11.82	45 1/2	13.90	62 1/2	15.94	79 1/2	18.16	96 1/2	20.80
12	9.54	29	11.88	46	13.96	63	16.00	80	18.23	97	20.89
12 1/2	9.62	29 1/2	11.94	46 1/2	14.02	63 1/2	16.06	80 1/2	18.30	97 1/2	20.97
13	9.69	30	12.01	47	14.08	64	16.12	81	18.38	98	21.06
13 1/2	9.76	30 1/2	12.07	47 1/2	14.14	64 1/2	16.19	81 1/2	18.45	98 1/2	21.15
14	9.84	31	12.13	48	14.20	65	16.25	82	18.52	99	21.24
14 1/2	9.91	31 1/2	12.20	48 1/2	14.25	65 1/2	16.31	82 1/2	18.59	99 1/2	21.32
15	9.98	32	12.26	49	14.31	66	16.37	83	18.66		
15 1/2	10.06	32 1/2	12.32	49 1/2	14.37	66 1/2	16.44	83 1/2	18.74		
16	10.13	33	12.38	50	14.43	67	16.50	84	18.81		
16 1/2	10.20	33 1/2	12.45	50 1/2	14.49	67 1/2	16.56	84 1/2	18.89		
17	10.27	34	12.51	51	14.55	68	16.63	85	18.96		
17 1/2	10.34	34 1/2	12.57	51 1/2	14.61	68 1/2	16.69	85 1/2	19.03		

* indicates extrapolated value

Temperature Correction (°F)

40	2.06	50	1.50	60	0.94	70	0.39	80	-0.17	90	-0.72
41	2.00	51	1.45	61	0.89	71	0.33	81	-0.22	91	-0.78
42	1.95	52	1.39	62	0.83	72	0.28	82	-0.28	92	-0.83
43	1.89	53	1.33	63	0.78	73	0.22	83	-0.33	93	-0.89
44	1.83	54	1.28	64	0.72	74	0.17	84	-0.39	94	-0.94
45	1.78	55	1.22	65	0.67	75	0.11	85	-0.44	95	-1.00
46	1.72	56	1.17	66	0.61	76	0.06	86	-0.50	96	-1.06
47	1.67	57	1.11	67	0.56	77	0.00	87	-0.56	97	-1.11
48	1.61	58	1.06	68	0.50	78	-0.06	88	-0.61	98	-1.17
49	1.56	59	1.00	69	0.44	79	-0.11	89	-0.67	99	-1.22

TENTATIVE

Chart C-2-14

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