

Soybeans High Moisture Above 22%

MOTOMCO 919 MOISTURE METER CHART

SOYBEANS HIGH MOISTURE ABOVE 22%

Sample Size **150** Grams Calibrate at **53** 21.8% to 53.9% Moisture

At MR 45.0 and below: % MOISTURE = 23.6031 + (0.024406 * MR) + (0.0041215 * MR^2) - (0.080557 * T)

At MR 45.1 and above: % MOISTURE = 10.708473 + (0.4959259 * MR) - (0.080557 * T)

METER READING & PERCENT MOISTURE										
1	18	35	23.30	52	30.29	69	38.72	86	47.16	
1 1/2	18 1/2	35 1/2	23.46	52 1/2	30.54	69 1/2	38.97	86 1/2	47.40	
2	19	36	23.62	53	30.79	70	39.22	87	47.65	
2 1/2	19 1/2	36 1/2	23.78	53 1/2	31.04	70 1/2	39.47	87 1/2	47.90	
3	20	37	23.95	54	31.29	71	39.72	88	48.15	
3 1/2	20 1/2	37 1/2	24.11	54 1/2	31.53	71 1/2	39.96	88 1/2	48.40	
4	21	38	24.28	55	31.78	72	40.21	89	48.64	
4 1/2	21 1/2	38 1/2	24.45	55 1/2	32.03	72 1/2	40.46	89 1/2	48.89	
5	22	39	24.62	56	32.28	73	40.71	90	49.14	
5 1/2	22 1/2	39 1/2	24.79	56 1/2	32.53	73 1/2	40.96	90 1/2	49.39	
6	23	40	24.97	57	32.77	74	41.20	91	49.63	
6 1/2	23 1/2	40 1/2	25.15	57 1/2	33.02	74 1/2	41.45	91 1/2	49.88	
7	24	41	25.33	58	33.27	75	41.70	92	50.13	
7 1/2	24 1/2	41 1/2	25.51	58 1/2	33.52	75 1/2	41.95	92 1/2	50.38	
8	25	42	25.70	59	33.77	76	42.20	93	50.63	
8 1/2	25 1/2	42 1/2	25.88	59 1/2	34.01	76 1/2	42.44	93 1/2	50.87	
9	26	43	26.07	60	34.26	77	42.69	94	51.12	
9 1/2	26 1/2	43 1/2	26.26	60 1/2	34.51	77 1/2	42.94	94 1/2	51.37	
10	27	44	26.45	61	34.76	78	43.19	95	51.62	
10 1/2	27 1/2	44 1/2	26.65	61 1/2	35.01	78 1/2	43.44	95 1/2	51.87	
11	28	45	26.84	62	35.25	79	43.68	96	52.11	
11 1/2	28 1/2	45 1/2	27.07	62 1/2	35.50	79 1/2	43.93	96 1/2	52.36	
12	29	46	27.32	63	35.75	80	44.18	97	52.61	
12 1/2	29 1/2	46 1/2	27.57	63 1/2	36.00	80 1/2	44.43	97 1/2	52.86	
13	30	21.84	47	27.81	64	36.24	81	44.68	98	53.11
13 1/2	30 1/2	21.98	47 1/2	28.06	64 1/2	36.49	81 1/2	44.92	98 1/2	53.35
14	31	22.12	48	28.31	65	36.74	82	45.17	99	53.60
14 1/2	31 1/2	22.26	48 1/2	28.56	65 1/2	36.99	82 1/2	45.42	99 1/2	53.85
15	32	22.40	49	28.81	66	37.24	83	45.67		
15 1/2	32 1/2	22.55	49 1/2	29.05	66 1/2	37.48	83 1/2	45.92		
16	33	22.69	50	29.30	67	37.73	84	46.16		
16 1/2	33 1/2	22.84	50 1/2	29.55	67 1/2	37.98	84 1/2	46.41		
17	34	22.99	51	29.80	68	38.23	85	46.66		
17 1/2	34 1/2	23.15	51 1/2	30.05	68 1/2	38.48	85 1/2	46.91		
* indicates extrapolated value										

Temperature Correction (°F)

40	2.98	50	2.18	60	1.37	70	0.56	80	-0.24	90	-1.05
41	2.90	51	2.09	61	1.29	71	0.48	81	-0.32	91	-1.13
42	2.82	52	2.01	62	1.21	72	0.40	82	-0.40	92	-1.21
43	2.74	53	1.93	63	1.13	73	0.32	83	-0.48	93	-1.29
44	2.66	54	1.85	64	1.05	74	0.24	84	-0.56	94	-1.37
45	2.58	55	1.77	65	0.97	75	0.16	85	-0.64	95	-1.45
46	2.50	56	1.69	66	0.89	76	0.08	86	-0.73	96	-1.53
47	2.42	57	1.61	67	0.81	77	0.00	87	-0.81	97	-1.61
48	2.34	58	1.53	68	0.73	78	-0.08	88	-0.89	98	-1.69
49	2.26	59	1.45	69	0.64	79	-0.16	89	-0.97	99	-1.77

USDA, FGIS

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