

MODEL 919 MOISTURE METER CHART

Sample Size: 250 GRAMS

Calibrate at: 53

SOYBEAN
7-20.3% Moisture

$$\% \text{ MOISTURE} = 11.226 + (0.18665 \times \text{MR}) - (0.001506 \times \text{MR}^2) + (0.000009713 \times \text{MR}^3) - (0.05558 \times T)$$

METER READING & PERCENT MOISTURE

0	6.95	17	9.73	34	11.93	51	13.84	68	15.73	85	17.90
1/2	7.04	17 1/2	9.80	34 1/2	11.99	51 1/2	13.89	68 1/2	15.79	85 1/2	17.97
1	7.13	18	9.87	35	12.05	52	13.95	69	15.85	86	18.04
1 1/2	7.22	18 1/2	9.95	35 1/2	12.11	52 1/2	14.00	69 1/2	15.90	86 1/2	18.11
2	7.31	19	10.02	36	12.17	53	14.05	70	15.96	87	18.18
2 1/2	7.40	19 1/2	10.09	36 1/2	12.23	53 1/2	14.11	70 1/2	16.02	87 1/2	18.25
3	7.49	20	10.15	37	12.28	54	14.16	71	16.08	88	18.33
3 1/2	7.58	20 1/2	10.22	37 1/2	12.34	54 1/2	14.22	71 1/2	16.14	88 1/2	18.40
4	7.67	21	10.29	38	12.40	55	14.27	72	16.20	89	18.48
4 1/2	7.76	21 1/2	10.36	38 1/2	12.45	55 1/2	14.33	72 1/2	16.26	89 1/2	18.55
5	7.84	22	10.43	39	12.51	56	14.38	73	16.32	90	18.63
5 1/2	7.93	22 1/2	10.49	39 1/2	12.57	56 1/2	14.44	73 1/2	16.39	90 1/2	18.70
6	8.01	23	10.56	40	12.62	57	14.49	74	16.45	91	18.78
6 1/2	8.10	23 1/2	10.63	40 1/2	12.68	57 1/2	14.55	74 1/2	16.51	91 1/2	18.86
7	8.18	24	10.69	41	12.74	58	14.60	75	16.57	92	18.93
7 1/2	8.27	24 1/2	10.76	41 1/2	12.79	58 1/2	14.66	75 1/2	16.63	92 1/2	19.01
8	8.35	25	10.82	42	12.85	59	14.71	76	16.70	93	19.09
8 1/2	8.43	25 1/2	10.89	42 1/2	12.90	59 1/2	14.77	76 1/2	16.76	93 1/2	19.17
9	8.51	26	10.95	43	12.96	60	14.82	77	16.82	94	19.25
9 1/2	8.59	26 1/2	11.02	43 1/2	13.02	60 1/2	14.88	77 1/2	16.89	94 1/2	19.33
10	8.67	27	11.08	44	13.07	61	14.93	78	16.95	95	19.41
10 1/2	8.75	27 1/2	11.14	44 1/2	13.13	61 1/2	14.99	78 1/2	17.02	95 1/2	19.50
11	8.83	28	11.21	45	13.18	62	15.04	79	17.08	96	19.58
11 1/2	8.91	28 1/2	11.27	45 1/2	13.24	62 1/2	15.10	79 1/2	17.15	96 1/2	19.66
12	8.99	29	11.33	46	13.29	63	15.16	80	17.21	97	19.75
12 1/2	9.06	29 1/2	11.39	46 1/2	13.35	63 1/2	15.21	80 1/2	17.28	97 1/2	19.83
13	9.14	30	11.45	47	13.40	64	15.27	81	17.35	98	19.92
13 1/2	9.22	30 1/2	11.51	47 1/2	13.46	64 1/2	15.33	81 1/2	17.41	98 1/2	20.00
14	9.29	31	11.57	48	13.51	65	15.38	82	17.48	99	20.09
14 1/2	9.37	31 1/2	11.64	48 1/2	13.56	65 1/2	15.44	82 1/2	17.55	99 1/2	20.18
15	9.44	32	11.70	49	13.62	66	15.50	83	17.62	100	20.26
15 1/2	9.51	32 1/2	11.76	49 1/2	13.67	66 1/2	15.56	83 1/2	17.69		
16	9.59	33	11.81	50	13.73	67	15.61	84	17.76		
16 1/2	9.66	33 1/2	11.87	50 1/2	13.78	67 1/2	15.67	84 1/2	17.83		

TEMPERATURE CORRECTION

°F	CORR.	°F	CORR.	°F	CORR.	°F	CORR.	°F	CORR.	°F	CORR.
28		41	2.00	54	1.28	67	0.56	80	-0.17	93	-0.89
29		42	1.95	55	1.22	68	0.50	81	-0.22	94	-0.94
30		43	1.89	56	1.17	69	0.44	82	-0.28	95	-1.00
31		44	1.83	57	1.11	70	0.39	83	-0.33	96	-1.06
32	2.50	45	1.78	58	1.06	71	0.33	84	-0.39	97	-1.11
33	2.45	46	1.72	59	1.00	72	0.28	85	-0.44	98	-1.17
34	2.39	47	1.67	60	0.94	73	0.22	86	-0.50	99	-1.22
35	2.33	48	1.61	61	0.89	74	0.17	87	-0.56	100	-1.28
36	2.28	49	1.56	62	0.83	75	0.11	88	-0.61	101	-1.33
37	2.22	50	1.50	63	0.78	76	0.06	89	-0.67	102	-1.39
38	2.17	51	1.45	64	0.72	77	0.00	90	-0.72	103	-1.45
39	2.11	52	1.39	65	0.67	78	-0.06	91	-0.78	104	-1.50
40	2.06	53	1.33	66	0.61	79	-0.11	92	-0.83	105	

Chart S-1-05

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1022 W. Jackson Blvd., Chicago, IL 60607
Tel: (312) 738-3700

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