

CALIBRATION CHART - MODEL 919 MOISTURE METER

SAMPLE SIZE 350 GRAMS Calibrate at 33 3.5" Cell (Alfalfa Seed)

Pour from weighing scoop into test cell. (Do not use Dump Cell).
Shake to level.

INSTRUCTIONS

Meter Read.	% Moist.	Meter Read.	% Moist.
1	3.67	51	11.52
2	3.83	52	11.68
3	3.99	53	11.84
4	4.14	54	11.99
5	4.30	55	12.15
6	4.46	56	12.31
7	4.62	57	12.47
8	4.77	58	12.62
9	4.93	59	12.78
10	5.09	60	12.94
11	5.24	61	13.09
12	5.40	62	13.25
13	5.56	63	13.41
14	5.72	64	13.56
15	5.87	65	13.72
16	6.03	66	13.88
17	6.19	67	14.04
18	6.34	68	14.19
19	6.50	69	14.35
20	6.66	70	14.51
21	6.81	71	14.66
22	6.97	72	14.82
23	7.13	73	14.98
24	7.28	74	15.14
25	7.44	75	15.29
26	7.60	76	15.45
27	7.76	77	15.61
28	7.91	78	15.76
29	8.07	79	15.92
30	8.23	80	16.08
31	8.38	81	16.23
32	8.54	82	16.39
33	8.70	83	16.55
34	8.86	84	16.70
35	9.01	85	16.86
36	9.17	86	17.02
37	9.33	87	17.18
38	9.48	88	17.33
39	9.64	89	17.49
40	9.80	90	17.65
41	9.95	91	17.80
42	10.11	92	17.96
43	10.27	93	18.12
44	10.42	94	18.28
45	10.58	95	18.43
46	10.74	96	18.59
47	10.90	97	18.75
48	11.05	98	18.90
49	11.21	99	19.06
50	11.37	100	19.22

1. To obtain percent moisture to tenths of a dial division, see values below and add to percent moisture.

0.1 Meter Reading Values

.1	0.02	.4	0.07	.7	0.12
.2	0.04	.5	0.09	.8	0.14
.3	0.05	.6	0.11	.9	0.15

2. TEMPERATURE CORRECTION (add or subtract to percent moisture).

(a) If sample temp. is below 77°F., add correction.

(b) If sample temp. is above 77°F., subtract correction.

Temp. °F	% Moist.	Temp. °F	% Moist.	Temp. °F	% Moist.	Temp. °F	% Moist.
2	2.02	28	1.32	54	0.62	80	0.08
3	1.99	29	1.29	55	0.59	81	0.11
4	1.96	30	1.26	56	0.56	82	0.13
5	1.94	31	1.24	57	0.54	83	0.16
6	1.91	32	1.21	58	0.51	84	0.19
7	1.88	33	1.18	59	0.48	85	0.22
8	1.86	34	1.16	60	0.46	86	0.24
9	1.83	35	1.13	61	0.43	87	0.27
10	1.80	36	1.10	62	0.40	88	0.30
11	1.78	37	1.08	63	0.38	89	0.32
12	1.75	38	1.05	64	0.35	90	0.35
13	1.72	39	1.02	65	0.32	91	0.38
14	1.69	40	1.00	66	0.30	92	0.40
15	1.67	41	0.97	67	0.27	93	0.43
16	1.64	42	0.94	68	0.24	94	0.46
17	1.61	43	0.91	69	0.22	95	0.48
18	1.59	44	0.89	70	0.19	96	0.51
19	1.56	45	0.86	71	0.16	97	0.54
20	1.53	46	0.83	72	0.13	98	0.56
21	1.51	47	0.81	73	0.11	99	0.59
22	1.48	48	0.78	74	0.08	100	0.62
23	1.45	49	0.75	75	0.05	101	0.64
24	1.42	50	0.73	76	0.03	102	0.67
25	1.40	51	0.70	77	----	103	0.70
26	1.37	52	0.67	78	0.03	104	0.73
27	1.34	53	0.64	79	0.05	105	0.75

3. EXAMPLE (Assume Dial Reading of 38.1 and Temp. of 80°F.)

For reading of 38 moisture is	9.48%
0.1 Meter reading value for .1 is	<u>0.02</u>
Thus dial reading of 38.1 is	9.50
For Temp. of 80°F, subtract	<u>0.08</u>
Final moisture is	9.42