

Grain Moisture Conversions to Standard Weights

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Standard bushel weights of common South Dakota crops.

Crop	Pounds
Ear corn	68
Wheat, Soybean, Flax	60
Shelled corn, Grain sorghum, Rye	56
Millet	50
Barley	48
Oats	32

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Conversion of standard bushel grain weights to weight by volume.

Standard bushel weight (lb)	Pounds/cubic feet (lb/ft ³)
60	48.18
56	44.97
50	40.15
48	38.54
28	22.48
14	11.24
70* (ear corn)	28.00*

*Varies depending on ear size and moisture content.

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Moisture conversions for: **SHELLED CORN**

Grain moisture pct	Pounds of shelled corn equal to a bushel weight of 56 lbs at 15.5% moisture	Grain moisture pct	Pounds of shelled corn equal to a bushel weight of 56 lbs at 15.5% moisture
10	52.58	23	61.45
11	53.17	24	62.26
12	53.77	25	63.09
13	54.39	26	63.95
14	55.02	27	64.82
15	55.67	28	65.72
15.5	56.00	29	66.65
16	56.33	30	67.60
17	57.01	31	68.58
18	57.71	32	69.59
19	58.42	33	70.63
20	59.15	34	71.70
21	59.90	35	72.80
22	60.67		

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Moisture conversions for: **EAR CORN**

Grain moisture pct	Pounds of ear corn equal to a bushel weight of 56 lbs at 15.5% moisture	Grain moisture pct	Pounds of ear corn equal to a bushel weight of 56 lbs at 15.5% moisture
10	63.49	23	78.25
11	64.25	24	79.76
12	65.06	25	81.25
13	65.95	26	82.82
14	66.89	27	84.19
15	67.89	28	85.62
15.5	68.40	29	87.04
16	68.94	30	88.50
17	70.09	31	89.94
18	71.31	32	91.43
19	72.60	33	92.85
20	73.96	34	94.28
21	75.36	35	95.71
22	76.79		

Source: W.J. Murphy, MU Extension, Agronomy Dept., Univ. Missouri, G4020 - Tables for weights and measurements.

Moisture conversions for: **SOYBEAN**

Grain moisture pct	Pounds of soybean equal to a bushel weight of 60 lbs at 13.0% moisture	Grain moisture pct	Pounds of soybean equal to a bushel weight of 60 lbs at 13.0% moisture
10	58.00	23	67.79
11	58.65	24	68.68
12	59.32	25	69.60
13	60.00	26	70.54
14	60.70	27	71.51
15	61.41	28	72.50
16	62.14	29	73.52
17	62.89	30	74.57
18	63.66	31	75.65
19	64.64	32	76.76
20	65.25	33	77.91
21	66.08	34	79.09
22	66.92	35	80.31

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Moisture conversions for: **GRAIN SORGHUM (MILO)**

Grain moisture pct	Pounds of sorghum equal to a bushel weight of 56 lbs at 13.0% moisture	Grain moisture pct	Pounds of sorghum equal to a bushel weight of 56 lbs at 13.0% moisture
10	54.13	23	63.27
11	54.74	24	64.11
12	55.36	25	64.96
13.0	56.00	26	65.84
14	56.65	27	66.74
15	57.32	28	67.67
16	58.00	29	68.62
17	58.70	30	69.60
18	59.41	31	70.61
19	60.15	32	71.65
20	60.90	33	72.72
21	61.67	34	73.82
22	62.46	35	74.95

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Moisture conversions for: **SUNFLOWER**

Grain moisture pct	Pounds of sunflower equal to a bushel weight of 27 lbs at 10.0% moisture	Grain moisture pct	Pounds of sunflower equal to a bushel weight of 27 lbs at 10.0% moisture
10	27.00	23	31.56
11	27.30	24	31.97
12	27.61	25	32.40
13	27.93	26	32.84
14	28.26	27	33.29
15	28.59	28	33.75
16	28.93	29	34.23
17	29.28	30	34.71
18	29.63	31	35.22
19	30.00	32	35.74
20	30.38	33	36.27
21	30.76	34	36.82
22	31.15	35	37.38

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Moisture conversions for: **WHEAT**

Grain moisture pct	Pounds of wheat equal to a bushel weight of 60 lbs at 13.5% moisture	Grain moisture pct	Pounds of wheat equal to a bushel weight of 60 lbs at 13.5% moisture
10	57.67	23	67.40
11	58.65	24	68.29
12	59.32	25	69.20
13	59.66	26	70.14
13.5	60.00	27	71.10
14	60.35	28	72.08
15	61.06	29	73.10
16	61.79	30	74.14
17	62.53	31	75.22
18	63.29	32	76.32
19	64.07	33	77.46
20	64.88	34	78.64
21	65.70	35	79.85
22	66.54		

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Moisture conversions for: **OAT**

Grain moisture pct	Pounds of oat equal to a bushel weight of 32 lbs at 13.5% moisture	Grain moisture pct	Pounds of oat equal to a bushel weight of 32 lbs at 13.5% moisture
10	30.76	24	36.42
11	31.10	25	36.91
12	31.45	26	37.41
13	31.82	27	37.92
13.5	32.00	28	38.44
14	32.19	29	38.99
15	32.46	30	39.54
16	32.95	31	40.12
17	33.35	32	40.71
18	33.76	33	41.31
19	34.17	34	41.94
20	34.60	35	42.58
21	35.04	24	36.42
22	35.49	25	36.91
23	35.95		

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Moisture conversions for: **BARLEY**

Grain moisture pct	Pounds of barley equal to a bushel weight of 48 lbs at 13.5% moisture	Grain moisture pct	Pounds of barley equal to a bushel weight of 48 lbs at 13.5% moisture
10	46.13	24	54.63
11	46.65	25	55.36
12	47.18	26	56.11
13	47.72	27	56.88
13.5	48.00	28	57.67
14	48.28	29	58.48
15	48.85	30	59.31
16	49.43	31	60.17
17	50.02	32	61.06
18	50.63	33	61.97
19	51.26	34	62.91
20	51.90	35	63.88
21	52.56	24	54.63
22	53.23	25	55.36
23	53.92		

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