

Corn population per acre

Average plant or seed spacing (inches)	Row width (inches)				Average plants per 50-ft. row
	30	36	38	40	
	Plants or seeds per acre				
5.5	37,600	31,700	29,700	28,200	108
5.7	36,200	30,600	28,600	27,200	104
6.0	34,800	29,000	27,500	26,100	100
6.2	33,500	28,100	26,400	25,100	96
6.5	32,100	26,800	25,300	24,000	92
6.8	30,700	25,600	24,200	23,000	88
7.0	29,900	24,900	23,400	22,400	85
7.3	28,600	23,900	22,600	21,400	82
7.5	27,900	23,200	22,000	20,900	80
7.8	26,500	22,300	20,900	19,900	76
8.0	26,100	21,800	20,600	19,600	75
8.3	25,100	21,000	19,800	18,800	72
8.5	24,400	20,500	19,300	18,300	70
8.8	23,700	19,800	18,700	17,800	68
9.0	23,000	19,400	18,200	17,300	66
9.3	22,300	18,700	17,600	16,700	64
9.5	22,000	18,300	17,100	16,500	62
10.0	20,900	17,400	16,500	15,700	60
10.3	20,200	16,900	16,000	15,200	58
10.5	19,900	16,600	15,700	14,900	57
10.7	19,500	16,300	15,400	14,600	56
11.0	19,000	15,800	15,100	14,300	55
11.5	18,100	15,200	14,300	13,600	52
12.0	17,400	14,500	13,800	13,100	50

Soybean planting guide

Seeds per foot of row

Row	Desired seeds per acre				
spacing	120,000	140,000	160,000	180,000	200,000
7"	1.61	1.87	2.14	2.40	2.68
10"	2.30	2.68	3.06	3.44	3.83
15"	3.44	4.02	4.59	5.17	5.74
20"	4.59	5.37	6.12	6.89	7.65
30"	6.88	8.03	9.18	10.30	11.48
36"	8.26	9.64	11.02	12.40	13.77
38"	8.72	10.18	11.63	13.09	14.54
40"	9.18	10.71	12.24	13.77	15.30

Row length in partial acre		
Row width (inches)	Row length equal to 1/1000 acre (feet)	Row length equal to 1/100 acre (feet)
7	74.7	747
10	52.3	523
14	37.3	373
15	34.8	348
20	26.1	261
28	18.7	187
30	17.4	174
36	14.5	145
38	13.8	138
40	13.1	131
Other spacing	522.7 divided by row width	5227.2 divided by row width

Grain moisture conversions				
	Corn at 15.5%	Sorghum at 14%		Soybeans at 13%
Current grain moisture %	Pounds/bushel shelled **	Factor*	Pounds/bushel **	Pounds/bushel**
8.0	51.4	1.07	52.5	56.7
9.0	52.0	1.06	52.9	57.4
10.0	52.6	1.05	53.5	58.0
11.0	53.2	1.03	54.1	58.7
12.0	53.8	1.02	54.7	59.3
13.0	54.4	1.01	55.4	60.0**
14.0	55.0	1.00	56.0**	60.7
15.0	55.7	.99	56.7	61.4
15.5	56.0**	.98	57.0	61.8
16.0	56.3	.98	57.3	62.1
17.0	57.0	.97	58.0	62.9
18.0	57.7	.95	58.7	63.7
19.0	58.4	.94	59.5	64.4
20.0	59.2	.93	60.2	65.3
21.0	59.9	.92	61.0	66.1
22.0	60.7	.91	61.7	66.9
23.0	61.5	.90	62.6	67.8
24.0	62.3	.88	63.4	68.7
25.0	63.1	.87	64.2	69.6
26.0	64.0	.86	65.1	--
27.0	64.8	.85	66.0	--
28.0	65.7	.84	66.9	--
29.0	66.7	--	--	--
30.0	67.6	--	--	--

Guide to weights and measures

Linear measure (length)

1 mile	= 5,280 feet or 320 rods
1 yard	= 3 feet
1 foot	= 12 inches

Square measure (area)

1 acre	= 43,560 square feet (160 sq. rods)
1 square yard	= 9 square feet
1 square foot	= 144 square inches

Cubic measure (volume)

1 cubic yard	= 27 cubic feet
1 cubic foot	= 1,728 cubic inches
1 cord (4'x4'x1')	= 8 cubic feet
1 cord foot (4'x4'x1')	= 16 cubic feet
2.5 cubic feet of ear corn	= 1 bushel
1.2 cubic feet of shelled corn	= 1 bushel

Liquid measure

1 gallon	= 4 quarts (128 oz.)
1 quart	= 2 pints (32 oz.)
1 pint	= 16 fluid ounces (oz.)

Dry measure

1 bushel	= 4 pecks
1 peck	= 8 quarts
1 quart	= 2 pints

Weight (ordinary commodities)

1 long ton (metric tonne)	= 2,240 pounds
1 short ton (ton)	= 2,000 pounds
1 hundred weight (cwt.)	= 100 pounds
1 pound (lb.)	= 16 ounces
1 ounce (oz.)	= 16 drams