



Corn Population Chart



The optimal planting population for corn varies by yield potential, with higher yielding fields responding best to higher plant densities. See the Rob-See-Co Seed Guide or Agronomy Tip Sheet "Using the Population Ratings" for more information on how to best match plant population to yield expectations. Emerged population can vary dramatically from one field to another or from one year to the next. The Corn Population Chart provides a quick guide on how corn population varies by row width and average seed spacing. It can be used to confirm planter accuracy during planting, or to evaluate crop stand after emergence.

CORN POPULATION BY ROW WIDTH AND SEED SPACING

Average plant or seed spacing (inches)	Row Width (inches)							Average plants per 50-ft. row (number)
	12	15	20	22	30	36	38	
	Plants or seeds per acre							
5.00	104,544	83,635	62,726	57,024	41,818	34,848	33,014	120
5.50	95,040	76,032	57,024	51,840	38,016	31,680	30,013	109
6.00	87,120	69,696	52,272	47,520	34,848	29,040	27,512	100
6.50	80,418	64,335	48,251	43,865	32,167	26,806	25,395	92
7.00	74,674	59,739	44,805	40,731	29,870	24,891	23,581	86
7.50	69,696	55,757	41,818	38,016	27,878	23,232	22,009	80
8.00	65,340	52,272	39,204	35,640	26,136	21,780	20,634	75
8.50	61,496	49,197	36,898	33,544	24,599	20,499	19,420	71
9.00	58,080	46,464	34,848	31,680	23,232	19,360	18,341	67
9.50	55,023	44,019	33,014	30,013	22,009	18,341	17,376	63
10.00	52,272	41,818	31,363	28,512	20,909	17,424	16,507	60
10.50	49,783	39,826	29,870	27,154	19,913	16,594	15,721	57
11.00	47,520	38,016	28,512	25,920	19,008	15,840	15,006	55
11.50	45,454	36,363	27,272	24,793	18,182	15,151	14,354	52
12.00	43,560	34,848	26,136	23,760	17,424	14,520	13,756	50
12.50	41,818	33,454	25,091	22,810	16,727	13,939	13,206	48
13.00	40,209	32,167	24,126	21,932	16,084	13,403	12,698	46
13.50	38,720	30,976	23,232	21,120	15,488	12,907	12,227	44
14.00	37,337	29,870	22,402	20,366	14,935	12,446	11,791	43
14.50	36,050	28,840	21,630	19,663	14,420	12,017	11,384	41
15.00	34,848	27,878	20,909	19,008	13,939	11,616	11,005	40
15.50	33,724	26,979	20,234	18,395	13,490	11,241	10,650	39
16.00	32,670	26,136	19,602	17,820	13,068	10,890	10,317	38
16.50	31,680	25,344	19,008	17,280	12,672	10,560	10,004	36
17.00	30,748	24,599	18,449	16,772	12,299	10,249	9,710	35
17.50	29,870	23,896	17,922	16,293	11,948	9,957	9,433	34



Soybean Population Charts



These Soybean Population Charts provide a quick guide on how soybean population varies by row width, seeds per foot of row, and seeds per pound. They can be used to confirm planter accuracy during planting, or to evaluate crop stand after emergence.

SOYBEAN POPULATION CHART – SEEDS PER FOOT OF ROW

Row Width	Desired Seeds Per Acre							
	60,000	80,000	100,000	120,000	140,000	160,000	180,000	200,000
	Avg Seeds/Foot							
38"	4.4	5.8	7.3	8.7	10.2	11.6	13.1	14.5
36"	4.1	5.5	6.9	8.3	9.6	11.0	12.4	13.8
30"	3.4	4.6	5.7	6.9	8.0	9.2	10.3	11.5
22"	2.5	3.4	4.2	5.1	5.9	6.7	7.6	8.4
20"	2.3	3.1	3.8	4.6	5.4	6.1	6.9	7.7
15"	1.7	2.3	2.9	3.4	4.0	4.6	5.2	5.7
12"	1.4	1.8	2.3	2.8	3.2	3.7	4.1	4.6
10"	1.1	1.5	1.9	2.3	2.7	3.1	3.4	3.8
7.5"	0.9	1.1	1.4	1.7	2.0	2.3	2.6	2.9

SOYBEAN POPULATION CHART – POUNDS OF SEED PER ACRE

Seeds Per Pound	Desired Seeds Per Acre					
	100,000	120,000	140,000	160,000	180,000	200,000
	Approx Lbs/A					
3,000	33	40	47	53	60	67
2,900	34	41	48	55	62	69
2,800	36	43	50	57	64	71
2,700	37	44	52	59	67	74
2,600	38	46	54	62	69	77
2,500	40	48	56	64	72	80
2,400	42	50	58	67	75	83
2,300	43	52	61	70	78	87
2,200	45	55	64	73	82	91
2,100	48	57	67	76	86	95
2,000	50	60	70	80	90	100