

## Suggested Soybean Seeding Rates for Virginia

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		Desired Plant Population							
Row	Width	Full-Season		Double-Crop Barley		Double-Crop Wheat			
		80,000	100,000	120,000	140,000	160,000	180,000	200,000	220,000
		(Seed per foot assuming 80% emergence)							
36		6.5	8.1	9.7	---	---	---	---	---
30		5.4	6.8	8.1	---	---	---	---	---
24		4.3	5.4	6.5	---	---	---	---	---
20		3.6	4.5	5.4	6.3	7.2	8.1	9.0	9.9
18		3.2	4.1	4.9	5.7	6.5	7.3	8.1	8.9
15		2.7	3.4	4.1	4.7	5.4	6.1	6.8	7.4
7.5		1.4	1.7	2.0	2.4	2.7	3.0	3.4	3.7

Seeding Rate = Desired plant population density ÷ (43,560 sq. ft./acre ÷ row width in feet) ÷ % emergence

Example: = 100,000 ÷ (43,560 ÷ (15 ÷ 12)) ÷ 0.80  
 = 100,000 ÷ 34,848 ÷ 0.80  
 = 2.7 seeds per foot of row (15-inch row spacing)

As planting is delayed, increase seeding rates

Use lower seeding rates on more productive soils.

### Converting Desired Soybean Plant Population Density to Pounds of Seed per Acre

Seed/lb	Desired Plant Population Density per Acre (x1,000)									
	80	100	120	140	160	180	200	220	240	260
	(Pounds of seed per acre (assuming 80% emergence))									
1600	63	78	94	109	125	141	156	172	188	203
1800	56	69	83	97	111	125	139	153	167	181
2000	50	63	75	88	100	113	125	138	150	163
2200	46	57	68	80	91	102	114	125	136	148
2400	42	52	63	73	83	94	104	115	125	135
2600	39	48	58	67	77	87	96	106	115	125
2800	36	45	54	63	71	80	89	98	107	116
3000	33	42	50	58	67	75	83	92	100	108
3200	31	39	47	55	63	70	78	86	94	102
3400	29	37	44	52	59	66	74	81	88	95
3600	28	35	42	49	56	63	69	76	83	90
3800	26	33	40	46	53	59	66	72	79	86
4000	25	31	38	44	50	56	63	69	75	81
4200	24	30	36	42	48	54	60	66	71	77
4400	23	28	34	40	46	51	57	63	69	74