

Direct Seeded Vegetable Crops

Vegetable	Average Seeds Needed Per:			Average Yield Per:	
	100' Row	Acre		100'	Acres
		Weight:	Seeds: (M=1,000)		
Beans, bush	800	85 lbs.	125M	80 lbs.	4,000 lbs.
Beans, pole	400	49 lbs.	43.5M	150 lbs.	4,000 lbs.
Beans, lima	400	145 lbs.	58M	12 lbs.	2,500 lbs.
Beans, shell					
American & Italian	700	150 lbs.	120-128M	8 lbs.	1,800 lbs.
French	700	65 lbs.	117M	8 lbs.	3,480 lbs.
Beans, soy	800	80 lbs.	144M	20 lbs. fresh, 12 lbs. dry	3,480 lbs.
Beets	1,500	9 lbs.	315M	40 lbs. greens, 100 lbs. roots	14,000 lbs.
Broccoli	170	1/2-3/4 lbs.	50M	75 lbs.	10,500 lbs.
Brussels sprouts	200	5 oz.	35M	60 lbs.	16,000 lbs.
Burdock	1/2 oz. or 800 seeds	6 lbs.	183M	60 lbs.	13,000 lbs.
Cabbage	300	5 1/4 oz.	37M	150 lbs.; 60 heads	31,500 lbs.
Cabbage, Chinese	300	7 oz.	66M	60 heads	35,000 lbs.
Carrot	3,000	2 1/2 lbs.	720M	100 lbs.	30,000 lbs.
Cauliflower	200	4 oz.	32M	90 lbs.; 60 heads	12,000 lbs.
Corn, sweet	200	11 1/2 lbs.	29M	8 dozen ears	1,200 dozen
Corn, ornamental	6 oz. or 400 seeds	25-35 lbs.		20 lbs. fresh, 12 lbs. dry	2,900 lbs.
Cucumber	600	2 1/2 lbs.	42.5M	120 lbs.	17,500 lbs.
Endive	600	10 oz.	190M	80 heads	13,500 lbs.
Greens, Mustard	1,500	1 1/3 lbs.	250M	100 lbs.	29,000 lbs.
Kale/Collards	450	1 lb.	112M	75 lbs.	16,275
Kohlrabi	1,500	4 1/4 lbs.	436M	50 lbs.	14,500 lbs.
Leeks	600	11 oz.	105M	150 stalks	32,550 stalks
Lettuce (full size heads, precision seeded)	400 seeds	5 1/2 oz.	7 1/4 oz. or 174M	50 lbs.; 100 heads	27,000 lbs.
Melons	200	13 oz.	15M	100 Fruits	15,000 lbs.
Onions, bulbing	2,000	5 1/2 lbs.	577.5M	100 lbs.	38,500 lbs.
Onions, bunching	5,000	7 1/2 lbs.	1,500M	100 lbs.	29,000 lbs.
Parsnips	1/2 oz. or 1,400 seeds	5 1/2 lbs.	539M	75 lbs.	12,600 lbs.
Peas, fresh	1.3 lbs. or 2,600 seeds	270 lbs.	540M	20 lbs.	4,000 lbs.
Pumpkin	135	3 1/2 lbs.	10M	300 lbs.	40,000 lbs.
Radish, small	3,580	25 lbs.	1,000M	100 bunches	7,500 lbs.
Radish, Daikon	600	7 lbs.	175M	200 roots	39,000 lbs.
Rutabaga	600 seeds	15 1/2 oz.	150M	150 lbs.	40,000 lbs.
Salsify	2,000 seeds	13 lbs.	437M	60 lbs.	17,400 lbs.
Spinach, full size	1/2 oz. or 1,000 seeds	8 1/4 lbs.	290M	40 lbs.	12,500 lbs.
Squash, Summer					
Zucchini	300	7 1/4 lbs.	22M	200 lbs.	30,000 lbs.
Yellow Summer	300	5 lbs.	22.5M	200 lbs.	30,000 lbs.
Patty Pan/Scallop	300	4 1/2 lbs.	21.5M	200 lbs.	30,000 lbs.
Squash, Winter	200	2-8 1/2 lbs.	15M	200 lbs.	40,000 lbs.
Turnip	3,500 seeds	5 3/4 lbs.	702M -1,230M	100 lbs. greens; 50 lbs. roots	40,000 lbs.
Watermelon	200	1 1/2 lbs.	15M	70 fruits	18,000 lbs.

Transplanted Vegetable Crops

Vegetable	Plants to expect from:		Days from setting plants to mature crops	Average Yield per 100'
	PKT	1 Oz.		
Beets	175	1,100	35-45	40 lb. greens; 100 lb. roots
Broccoli	75	4,800	45-70	75 lbs.
Brussels Sprouts	75	5,000	100-110	60 lbs.
Cabbage	75	4,500	50-150	150 lbs.; 60 heads
Cauliflower	75	5,600	45-80	90 lbs.; 60 heads
Celeriac	120	37,500	100-120	60 lbs.
Celery	120	37,500	75-90	100 heads
Eggplant	15	3,500	50-75	75 lbs.
Kale	70	5,000	40-50	75 lbs.
Kohlrabi	60	4,000	30-40	50 lbs.
Leeks	140	6,000	75-100	150 stalks
Lettuce	400	20,000	35-65	100 heads; 50 lbs.
Melons	25	800	70-85	100 fruits
Onions, Bulbing	150	4,000	75-100	100 lbs.
Pepper	20	3,000	50-70	50 lbs.
Tomato	30	7,400	50-85	150 lbs.
Watermelon	20	400	70-85	70 fruits

Feet of Row Per Acre (1 acre=43,560 square feet)

Single Rows Distance Apart	Number of Row Feet/Acre	Rows/Bed on beds spaced 6 ft. on cntr.	Number of Row Feet/Acre
12"	43,560	1 row	7,260
16"	32,670	2 rows	14,520
18"	29,040	3 rows	21,780
20"	26,136	4 rows	29,040
24"	21,780	5 rows	36,300
28"	18,668	6 rows	43,560
30"	17,424		
32"	16,335		
36"	14,520		
40"	13,068		
42"	12,445		
48"	10,890		
60"	8,712		
72"	7,260		

Number of seeds to plant/acre: Find your row spacing on the chart. Multiply the corresponding row feet per acre figure by the number of seeds (plants) you plan to sow per foot to arrive at the number of seeds you will need per acre. **Example:** You plan to sow 20 seeds per foot on rows 24" apart; 20 x 21,780=435,600 seeds/acre.