

Direct Seeded Vegetable Crops

| Vegetable | Average Seeds Needed Per: | | | Average Yield Per: | |
|---|---------------------------|--------------|-------------------|--------------------------------|---------------|
| | 100' Row | Weight: | Seeds: (M=1,000) | 100' | Acres |
| 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 | 800-850 | 150 lbs. | 120-128M | 8 lbs. | 1,800 lbs. |
| French | 800 | 65 lbs. | 117M | 8 lbs. | 3,480 lbs. |
| Beans, soy | 800 | 80 lbs. | 144M | 20 lbs. fresh, 12 lbs. dry | 3,480 lbs. |
| Beets | 1,285 | 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 | 200 | 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) | 1/16 oz. or 600 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 | 1/4 oz. or 1,200 seeds | 15 1/2 oz. | 150M | 150 lbs. | 40,000 lbs. |
| Salsify | 3/4 oz. or 1,500 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 | 1/3 oz. or 2,500 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' |
|------------------|------------------------|-----|--------|--|------------------------------|
| | MINI | PKT | 1 Oz. | | |
| Beets | - | 200 | 1,100 | 35-45 | 40 lb. greens; 100 lb. roots |
| Broccoli | 60 | - | 4,800 | 45-70 | 75 lbs. |
| Brussels Sprouts | 60 | - | 5,000 | 100-110 | 60 lbs. |
| Cabbage | 60 | - | 4,500 | 50-150 | 150 lbs.; 60 heads |
| Cauliflower | 45 | - | 5,600 | 45-80 | 90 lbs.; 60 heads |
| Celeriac | 150 | - | 37,500 | 100-120 | 60 lbs. |
| Celery | 150 | - | 37,500 | 75-90 | 100 heads |
| Eggplant | 15 | - | 3,500 | 50-75 | 75 lbs. |
| Kale | 150 | - | 5,000 | 40-50 | 75 lbs. |
| Kohlrabi | 70 | - | 4,000 | 30-40 | 50 lbs. |
| Leeks | 200 | 800 | 6,000 | 75-100 | 150 stalks |
| Lettuce | 250 | 480 | 20,000 | 35-65 | 100 heads; 50 lbs. |
| Melons | - | 25 | 800 | 70-85 | 100 fruits |
| Onions, Bulbing | 200 | 600 | 4,000 | 75-100 | 100 lbs. |
| Pepper | 20 | - | 3,000 | 50-70 | 50 lbs. |
| Tomato | 25 | - | 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 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.