

Crop	Planting* Distances in " (cm.)		Approx. yield per 10'	Approx. # of row ft. to plant per person	Transplants or seed required per 10' of row	
	<u>In rows</u>	<u>Between rows</u>			<u># of Plants</u>	<u>Amount of seed</u>
Eggplant	18-24" (45-60)	30-42" (75-105)	10-20 lbs	3-6'	5-7 or	1/40 oz.
Endive	9-12" (25-30)	18-30" (45-75)	3-6 lbs.	5-10'	5-10'	1/40 oz.
Kale	10-18" (25-45)	18-36" (45-90)	4-8 lbs.	10-15'	6-10 or	1/10 oz.
Kohlrabi	4-6" (10-15)	12-36" (30-90)	4-8 lbs.	5-10'		1/10 oz.
Leeks	3-6" (8-15)	12-30" (30-75)	10-20 lbs	3-6'		1/10 oz.
Lettuce (bibb)	6-10" (15-25)	14-24" (35-60)	4-8 lbs.	15-20'		1/40 oz.
Lettuce (leaf)	4-6" (10-15)	12-18" (30-45)	5-10 lbs.	10-15'		1/40 oz.
Muskmelons	24-36" (60-90)	60-90" (150-230)	15-25 lbs	8-12'	3-5 or (peat pots)	1/8 oz.
Mustard	3-4" (8-10)	18-30" (45-75)	3-6 lbs.	5-10'		1/10 oz.
Okra	12-18" (30-45)	36-48" (90-100)	5-10 lbs.	5-10'	7-10 or	1/5 oz.
Onions (sets)	2-4" (5-10)	12-24" (30-60)	7-10 lbs.	15-25'	30-60 (sets) about 1 lb	
Peas (garden)	1-3" (3-8)	12-30" (30-75)	2-6 lbs.	40-60'		1-2 oz.
Peppers (transplants)	18-24" (45-60)	30-36" (75-90)	5-18 lbs.	5-10'	5-7	
Potatoes (Irish)	10-21" (25-30)	24-36" (60-90)	10-20 lbs	75-100'		1 lb. (seed pieces)

*Sow seeds to a depth 3-5 times the diameter of the seed.
For mid-summer plantings sow up to twice this depth.

Crop	Planting* Distances in " (cm.)		Approx. yield per 10'	Approx. # of row ft. to plant per person	Transplants or seed required per 10' of row	
	<u>In rows</u>	<u>Between rows</u>			<u># of Plants</u>	<u>Amount of seed</u>
Pumpkins	4-7' (120-215)	6-8' (185-245)	10-20 lbs.	10'		1/20 oz.
Radish	1-2" (3-5)	12-24" (30-60)	2-5 lbs.	10-15'		1/10 oz.
Rutabaga	3-6" (8-15)	15-30" (40-75)	8-12 lbs.	5-10'		1/8 oz.
Southern (blackeye) Peas	2-4" (5-10)	24-30" (60-75)	5-8 lbs.	25-30'		1 oz.
Sweet Corn	9-12" (25-30)	24-36" (60-90)	7-10 lbs.	40-60'		1/2 oz.
Spinach	3-6" (8-15)	15-30" (40-75)	4-6 lbs.	30-40'		1/8 oz.
Squash, summer	24-36" (60-90)	36-60" (90-150)	20-80 lbs	5-10'		1/10 oz.
Squash, winter	3-7' (90-215)	3-10' (90-300)	10-80 lbs.	10'		1/10 oz.
Sweet potatoes (slips)	12-18" (30-45)	36-48" (90-120)	8-12 lbs.	75-100'	7-10	
Tomatoes	18-36" (45-90)	36" (90)	15-45 lbs	10-15'	3-7	
Turnips	2-3" (5-8)	12-24" (30-60)	8-12 lbs.	10'		1/8 oz.
Watermelons	6-8' (180-245)	7-10' (215-300)	8-40 lbs.	10-15'	1 (peat pot)	1/20 oz.

*Sow seeds to a depth 3-5 times the diameter of the seed.
For mid-summer plantings sow up to twice this depth.

Intensive Methods Planting Guide

Higher yields may be obtained in smaller spaces with certain vegetables by using intensive planting methods. Some, but not all, crops will benefit by growing in wide rows and/or raised beds rather than in single-file rows. Taller plants, such as staked tomatoes or summer squash, may be intensively managed in two closely spaced rows. In a raised bed, lack of sunlight and inconvenience of harvest may be limiting factors.

The following chart indicates how readily adaptable specific vegetable crops are for use in wide row or intensive bed plantings. Remember, intensive cropping requires adequate fertility and moisture of the soil. (For further information, see MH 335 - Intensive Cropping Methods.)

Most Adaptable		May Be Adapted		Best Grown in Standard Rows
	<u>Spacing</u> ⁽¹⁾		<u>Spacing</u> ⁽¹⁾	
Beans, bush	4-6"	Asparagus	18"	Cucumbers
Beans, lima	4-6"	Beans, pole	6-12"	Eggplant
Beans, wax	4-6"	Broccoli	18-24"	Muskmelons
Beets	2-4"	Brussels sprouts	20-30"	Okra
Chinese Cabbage	12-24"	Cabbage	15-24"	Potatoes
Carrots	1-2"	Cauliflower	18-24"	(Irish)
Endive	9-12"	Chard, Swiss	8-12"	Pumpkins
Kohlrabi	4-6"	Collards	18-24"	Squash, summer
Leeks	3-6"	Kale	15-24"	Sweet Corn
Lettuce (bibb)	6-10"	Rutabaga	4-6"	Squash, winter
Lettuce (leaf)	4-6"	Tomatoes	18-30"	Sweet potatoes
Mustard	3-4"	(dwarf and/or cherry)		Staked Tomatoes
Onions	2-4"			Watermelons
Peas (garden)	2-4"			
Peppers	15-24"			
Radish	1-2"			
Southern Peas (blackeye)	3-4"			
Spinach	4-8"			
Turnips	2-3"			

(1) Minimum distance between centers of two adjacent plants. Spacing will vary depending on varieties and local environmental factors.

Prepared by: A. McDaniel, B. Adler, D. Relf, C. O'Dell

Virginia Cooperative Extension Service Programs, activities, and employment opportunities are available to all people regardless of race, color, religion, sex, age, national origin, handicap, or political affiliation.

An Equal Opportunity/Affirmative Action Employer

Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, and September 30, 1977, in cooperation with the U.S. Department of Agriculture. W. R. Van Dresser, Dean, Extension Division, Cooperative Extension Service, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061; M. C. Harding, Sr., Administrator, 1890 Extension Program, Virginia State University, Petersburg, Virginia 23803.