

Gardening 101

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Explore Gardening:

Climate

[USDA Plant Hardiness Zone](#)

[Urban Farmer: Vegetable Planting Calendar](#)

Frost Free Period

Soils

Garden Planning:

To Grow & To Eat

Family Assessment

[Assessment Worksheet](#)

Calculated Numbers

[Garden Planning Tables](#)

Garden Location:

Containers

[Principles of Vegetable Culture p. 20-8](#)

Raised Beds

[Principles of Vegetable Culture p. 20-6](#)

Layout

[Planning an Idaho Vegetable Garden p. 13](#)

Seed Starting – When to Start Dates:

Hardy

Half Hardy

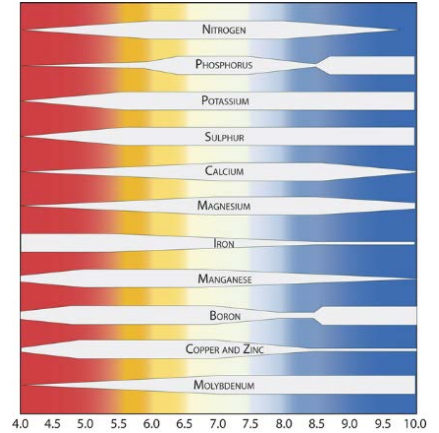


Table 2. Growing vegetables in containers.

Vegetable	Light require-ments ^a	Minimum container size	Spacing between plants in containers ^b (inches)	Days from planting to harvest
Beans	FS	2 gallon	2 to 3	45 to 60
Beets	FS/PS	½ gallon	2 to 3	50 to 60
Cabbage	FS/PS	5 gallon	1 plant	65 to 120
Carrots	FS/PS	1 gallon	2 to 3	65 to 80
Cucumbers	FS	5 gallon	1 plant	70 to 80
Eggplants	FS	5 gallon	1 plant	75 to 100
Kale	FS/PS	5 gallon	10 to 15	55 to 65
Lettuce	PS	½ gallon	4 to 6	30 to 35
Mustard greens	PS	½ gallon	4 to 5	35 to 40
Onions	FS/PS	½ gallon	2 to 3	70 to 100
Peppers	FS	2 gallon	8 to 12	110 to 120
Spinach	PS	1 gallon	4 to 6	30 to 40
Squash	FS	5 gallon	1 plant	50 to 60
Swiss chard	FS/PS	½ gallon	4 to 6	30 to 40
Tomatoes	FS	5 gallon	1 plant	55 to 100
Turnips	FS/PS	3 gallon	2 to 3	30 to 60

^a FS = full sun (10 or more hours of direct sun each day), PS = part shade (6 or more hours of direct sun each day).

^b Any vegetable that produces large plants should have only one plant per container.

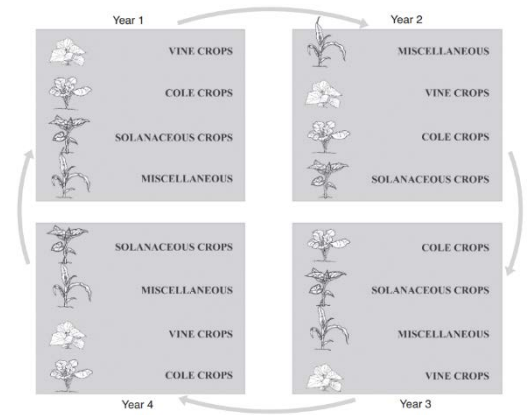
Table 1. Plant spacing guide for raised bed or other intensive vegetable garden designs.

Plant	Spacing* (inches)	Plant	Spacing* (inches)
Asparagus	15 to 18	Leeks	3 to 6
Beans, bush	4 to 6	Lettuce, head	10 to 12
Beans, lima	4 to 6	Lettuce, leaf	4 to 6
Beans, pole	6 to 12	Melons	18 to 24
Beets	2 to 4	Mustard	6 to 9
Broccoli	12 to 18	Okra	12 to 18
Brussels sprouts	15 to 18	Onions	2 to 4
Cabbage	15 to 18	Peas	2 to 4
Carrots	2 to 3	Potatoes	10 to 12
Cauliflower	15 to 18	Peppers	12 to 15
Chinese cabbage	10 to 12	Pumpkins	12 to 36
Cucumbers	12 to 18	Radishes	2 to 3
Chard, Swiss	6 to 9	Rutabaga	4 to 6
Collards	12 to 15	Spinach	4 to 6
Eggplants	18 to 24	Squash, summer	18 to 24
Endive	15 to 18	Squash, winter	24 to 36
Kale	15 to 18	Tomatoes	18 to 24
Kohlrabi	6 to 9	Turnips	4 to 6

Note: To determine spacing for interplanting, add the inches for the two crops to be planted together, and divide the sum by two. For example, if radishes are planted next to beans: 2 inches + 4 inches = 6 inches. Then, 6 inches ÷ 2 = 3 inches. Plant the radishes 3 inches from the beans.

The use of miniature varieties or vertical gardening techniques may allow closer spacing and increase the square-foot productivity.

Crop Rotations



University of Idaho Extension Resources:

- University of Idaho Extension, Canyon County @ uidaho.edu/canyon
- Extension Publications @ uidaho.edu/extension/publications
- Pacific Northwest Pest Alert Network @ pnwpestalert.net
- Idaho Landscapes & Gardens @ uidaho.edu/extension/garden/landscapes

Upcoming Classes:

- March topics: Successful Lawncare & No-till

*Find Canyon County Idaho Master Gardeners
on social media @2CMasterGardener or idahomastergardener.blogspot.com.*