

# Establishing a Community Garden



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## Crop Choices

- Asparagus
- Beans
- Beets
- Cabbage
- Cauliflower
- Broccoli
- Carrots
- Corn
- Cucumbers
- Garlic
- Kale
- Melons – Cantaloupe, Watermelon
- Onions
- Potatoes
- Tomatoes
- Radishes
- Squash(Winter/Summer)
- Rutabaga & Turnip

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## Garden Planning

Vegetable <small>Source: Farmers Way</small>	How Much to Plant per Person
Asparagus	10 Plants
Broccoli	5 Plants
Bush Green Beans	20 Plants
Cabbage	10 Plants
Carrots	40 square feet
Celery	5 Plants
Corn	60 square feet
Cucumbers	2 Plants
Garlic	30 Plants
Green Onions	50 plants
Lettuce	40 square feet
Dry Onion	50 plants
Peppers	5 Plants
Potatoes	50 ft row
Shelling Peas	40 ft row
Zucchini	2 plants
Tomatoes	6 – 8 plants
Winter Squash	2 Plants

An Example

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## Seed Required

Vegetable	1000 seeds	Acre	1000	Acre
AVERAGE SEEDS NEEDED PER	Weight	# of seeds M/L (1,000)	Average Yield Per	Acre
Beans, bush	300 seeds	1.100	45 lb.	5,500 lb.
Beans, pole	400 seeds	1.400	80 lb.	11,000 lb.
Beans, Lima	1 lb.	145 lb.	17 lb.	2,000 lb.
Beans, shell	1 lb.	17 lb.	8 lb.	2,400 lb.
Beans, soy	1 lb.	87 lb.	100 lb. fresh, 12 lb. dry	3,000 lb. fresh
Berries	1,000 seeds	4000	40 lb. green, 65 lb. roots	14,000 lb. roots
Broomrape	300 seeds	1700	50 lb.	2,200 lb.
Brussels sprouts	200 seeds	29,000	60 lb.	8,500 lb.
Butterbean	1 lb. oz.	6 lb.	60 lb.	13,000 lb.
Cabbage	200 seeds	2900	100 lb., 60 heads	22,000 lb.
Cabbage, Chinese	300 seeds	6000	90 lb., 50 heads	13,000 lb.
Carrot	2,000 seeds	7000	150 lb.	33,000 lb.
Cauliflower	200 seeds	2900	120 lb., 60 heads	17,000 lb.
Celery	1 lb. oz.	1 lb.	75 lb.	16,000 lb.
Corn, sweet	200 seeds	3000	8 bushels	1,200 bushels
Corn, ornamental	1 lb.	18 lb.	20 lb. fresh, 12 lb. dry	2,900 lb.
Cucumber	200 seeds	1700	120 lb.	17,000 lb.
Endive	500 seeds	10,000	80 heads	17,000 heads
Greens, mustard	1,000 seeds	7 lb.	100 lb.	28,000 lb.
Kale	400 seeds	1 lb.	1100	75 lb.
Kohlrabi	1,000 seeds	4000	50 lb.	14,000 lb.
Lentils	600 seeds	11 lb.	1000	20,000 stalks
Lettuces	600 seeds	10,000	100 heads	29,000 heads
Melons	200 seeds	1000	100 fruits	14,500 fruits
Onions, bulbing	2,000 seeds	8000	140 lb.	42,000 lb.
Onions, bunching	1 lb. oz.	7 lb.	1,000	100 lb.
Peas, English	1 lb. oz. or 2,000 seeds	4 lb.	4000	75 lb.
Potatoes	1 lb.	27 lb.	25 lb.	5,000 lb.
Pumpkin	200 seeds	5 lb.	1000	300 lb.
Raspberries	1 lb. oz.	31 lb.	1,000	100 bunches
Raspberries, small	1 lb. oz.	31 lb.	1,000	100 bunches
Raspberries, large	1 lb. oz.	31 lb.	1,000	100 bunches
Radishes	600 seeds	14 lb. oz.	1300	150 lb.
Squash	1 lb. oz.	10 lb.	1000	17,000 lb.
Squash, full size	1,000 seeds	29000	40 lb.	11,000 lb.
Squash, summer	200 seeds	22,000	200 lb.	30,000 lb.
Squash, winter	200 seeds	22,000	200 lb.	30,000 lb.
Spinach	200 seeds	1000	100 lb.	20,000 lb.
Tomatoes	1 lb. oz.	31 lb.	1,000	100 bunches
Watermelon	200 seeds	22,000	200 lb.	30,000 lb.

From Johnnyseeds.com



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## Seed Sources

- Local Garden Supply Stores
- Mail Order/ On-line
  - Stokes Seeds – <https://www.stokeseeds.com/ca/>
  - Early's Farm & Garden – <https://www.earlysgarden.com/>
  - Johnny's Seeds – <https://www.earlysgarden.com/>
  - Veseys – <https://www.veseys.com/ca/vegetables>
  - T & T – <https://ttseeds.com/>
- **There are many, many more options...**
- The reason I use so many is that I like specific varieties. Some perform much better than others in our climate or for specific markets.
  - Dr. Doug Waterer conducted many trials to find suitable varieties

Resource: <https://www.svga.ca/>



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## Equipment Required

### Depends on size of garden:

- Rototiller (own or
- Fertilizer Applicator
- Seeder
- Hand tools (Hoe, Rake, Spade, Digging Fork, Trowels)
- Tractor
- Cultivation Equipment (Garden prep & weed control)
- Sprayer
- Mulch Layer?
- Irrigation
- Storage
- Bins, Buckets...

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## Site Selection

### Key Factors to Consider

- Field History
  - What was there before
  - Potential issues?
- Field Topography
  - Slope
  - Soil depth
  - Drainage
  - Stones
- Shelter
- Soil Information
  - Mineral Composition (Sand, Silt Clay)
  - Organic Matter
- Access to Good Quality Water
  - Irrigation
  - Washing



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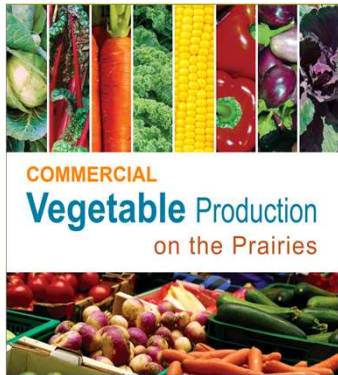
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## Additional Resources

- Commercial Vegetable Production on the Prairies

[https://www1.agric.gov.ab.ca/\\$Department/deptdocs.nsf/all/agdex15123/\\$FILE/250\\_13-1\\_web.pdf](https://www1.agric.gov.ab.ca/$Department/deptdocs.nsf/all/agdex15123/$FILE/250_13-1_web.pdf)



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