

Community Garden

An area where a community gathers to produce food & flowers. Community Gardens provide participants with the opportunity to become engaged in a healthy recreation activity while growing nutritious food, meeting neighbours, building community, and beautifying open space.

Allotment Garden

A group of garden plots rented out to individuals. They are offered for the purpose of producing food and flowers.

Budgeting & ManPower Requirements

A co-ordinator needs to be appointed. Tasks assigned will determine paid and volunteer requirements.

1) Tasks of the Coordinator:

Understanding and enforcing the rules of the garden
Identifying tasks that need to be done.
Organizing volunteer help.
Organizing food distribution/ delivery.
Planning the garden (crops, irrigation)
Budgeting
Purchasing seed, supplies, tools and equipment.
Record keeping.
Applying for grants.
Report Writing.
Garden maintenance? Weeding? Harvesting?
Identifying problems & solutions? Pest Control?

2) Tasks of the Volunteers:

Weeding
Planting
Harvesting
Delivery
Watering

Equipment Required

Depends on size of garden:

- Rototiller (own or hired)
- 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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Planning Your Community Garden

- Assessing Community Interest and Needs

Know who your audience is. Creating a Mission Statement is a good idea.

- Identifying an ideal location

The garden must be accessible to the volunteers. It should have full sun for a minimum of 6 hrs a day. More is better.

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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- Planning Your Garden Layout

Plant in full sun.

Some suggest planting north to south to take advantage of East-West movement of the sun, however this shouldn't be an issue in full sun.

Pay attention to contours of land or what makes the most practical sense when bringing in equipment, etc.

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/>



Establishing the Garden

- Preparing the Land
- Soil Testing

Soil testing a new garden provides benchmark fertility and soil quality information that can help gardeners anticipate how their garden will perform. Growers can use the results to provide nutrients for optimum yields.

Maintaining the Garden

- Garden Care and Maintenance
- Weed Management
- Natural Pest and Disease Management
- Seasonal Maintenance Checklist

Harvesting and Sharing the Bounty

- Harvesting Techniques and Timing

Sustainability and Growth

- Rotating Crops and Soil Health
- Composting and Recycling in the Garden

Appendix A: Seed weights required

DIRECT-SEEDED VEGETABLE CROP	AVERAGE SEEDS NEEDED PER			AVERAGE YIELD PER	
	100' ROW	ACRE, by WEIGHT	ACRE, by #M (M=1000 SEEDS)	100' ROW	ACRE
BEANS, BUSH	800 seeds		116 M	45 lb	6500 lb
BEANS, POLE	420 seeds		46 M	80 lb	11,600 lb
BEANS, LIMA	1 lb	145 lb		17 lb	2500 lb
BEANS, SHELL	⅓ lb	72 lb		8 lb	3480 lb
BEANS, SOY	½ lb	87 lb		20 lb fresh; 12 lb dry	3000 lb fresh
BEETS	1500 seeds		436 M	40 lb greens; 65 lb roots	14,000 lb roots
BROCCOLI	300 seeds		87 M	50 lb	7250 lb
BRUSSELS SPROUTS	200 seeds		29–35 M	60 lb	8500 lb
BURDOCK	½ oz	6 lb		60 lb	13,000 lb
CABBAGE	200 seeds		29 M	150 lb; 60 heads	22,000 lb
CHINESE CABBAGE	300 seeds		66 M	90 lb; 60 heads	13,000 lb
CARROTS	3000 seeds		720 M	150 lb	33,000 lb
CAULIFLOWER	200 seeds		29 M	120 lb; 60 heads	17,000 lb
COLLARDS	³ / ₃₂ oz	1 lb		75 lb	16,000 lb
CORN, SWEET	200 seeds		30 M	8 dozen ears	1200 dozen ears
CORN, ORNAMENTAL	⅓ lb	18¼ lb		20 lb fresh; 12 lb dry	2900 lb
CUCUMBERS	200 seeds		15 M	120 lb	17,500 lb
ENDIVE	600 seeds	10 oz	175 M	80 heads	17,000 heads
GREENS, MUSTARD	1600 seeds	1⅓ lb		100 lb	29,000 lb
KALE	450 seeds	1 lb	112 M	75 lb	16,000 lb
KOHLRABI	1500 seeds		436 M	50 lb	14,500 lb
LEEKs	600 seeds	11 oz	105 M	180 stalks	32,550 stalks

Community Garden Guide for Indigenous Communities
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	AVERAGE SEEDS NEEDED PER	AVERAGE YIELD PER		AVERAGE SEEDS NEEDED PER	AVERAGE YIELD PER
DIRECT-SEEDED VEGETABLE CROP	100' ROW	ACRE, by WEIGHT	ACRE, by #M (M=1000 SEEDS)	100' ROW	ACRE
LETTUCE	600 seeds	10 oz	174 M	100 heads	29,000 heads
MELONS (<i>Cucumis melo</i>)	200 seeds		15 M	100 fruits	14,500 fruits
ONIONS, BULBING	2000 seeds		580 M	140 lb	42,000 lb
ONIONS, BUNCHING	½ oz	7½ lb	1130 M	100 lb	29,000 lb
PARSNIP	⅓ oz or 2000 seeds	4 lb	436 M	75 lb	16,000 lb
PEAS, FRESH	1¼ lb	272 lb		25 lb	5000 lb
PUMPKINS	200 seeds	5 lb	15 M	300 lb	21,500 lb
RADISHES, SMALL	1½ oz	31 lb	1555 M	100 bunches	29,000 bunches
RADISHES, DAIKON	⅓ oz	5¼–7 lb		200 lb	43,000 lb
RUTABAGA	600 seeds	14½ oz	131 M	150 lb	32,500 lb
SALSIFY	¾ oz	10½ lb		60 lb	17,400 lb
SPINACH, FULL SIZE	1000 seeds		290 M	40 lb	11,600 lb
SUMMER SQUASH, ZUCCHINI	300 seeds		22–26M	200 lb	30,000 lb
SUMMER SQUASH, YELLOW	300 seeds		22–26M	200 lb	30,000 lb
SUMMER SQUASH, PATTY PAN / SCALLOP	300 seeds		22–26M	150 lb	22,000 lb
TURNIP	⅓ oz	5⅓ lb		100 lb greens; 50 lb roots	14,500 lb roots
WINTER SQUASH	200 seeds		15 M	200 lb	30,000 lb
WATERMELON (<i>Citrullus lanatus</i> var. <i>lanatus</i>)	200 seeds	1⅓ lb	15 M	70 fruits	10,000 fruits

SOURCE: <https://www.johnnyseeds.com/growers-library/methods-tools-supplies/direct-seeding/vegetables-direct-seeded-crop-seed-quantity-yield-chart.html>



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Transplanted Vegetable Crops

TRANSPLANTED CROP	PLANTS to EXPECT from *		DAYS from		AVERAGE YIELD per 100' ROW
	SEED PACKET	1000 SEEDS	SOWING to TRANSPLANTING	TRANSPLANTING to MATURITY	
ARTICHOKES	16	650	56–84	85–100	95 lb
BEETS	260	750	35–42	35–45	65 lb
BROCCOLI	80	800	21–28	45–70	50 lb
BRUSSELS SPROUTS	80	800	28–42	100–110	60 lb
CABBAGE	80	800	28–42	50–150	150 lb
CAULIFLOWER	80	800	28–42	45–80	120 lb; 60 heads
CELERIAC	188	750	70–84	100–120	60 lb
CELERY	188	750	70–84	75–90	100 heads
EGGPLANT	20	800	42–56	50–75	75 lb
KALE	80	800	28–42	40–50	75 lb
KOHLRABI	80	800	28–42	30–40	50 lb
LEEKs	175	700	70–84	75–100	180 stalks
LETTUCE	450	900	21–28	35–65	100 heads; 50 lb
MELONS (<i>Cucumis melo</i>)	24	800	14–21	70–85	100 fruits
ONIONS, BULBING	188	750	70–84	75–100	140 lb
PEPPERS	20	750	42–56	50–70	50 lb
TOMATOES	32	800	35–56	50–85	150 lb
WATERMELON (<i>Citrullus lanatus</i> var. <i>lanatus</i>)	See variety	800	21–28	70–85	70 fruits

* # of Seeds x Johnny's Minimum Germination Percentage = # Plants to Expect

Source: <https://www.johnnyseeds.com/growers-library/methods-tools-supplies/seed-starting-transplanting/vegetables-transplanted-crop-plant-quantity-yield-chart.html>

Appendix B: Budget Template

Sample Community Garden Budget

Line Items	1st Year	2nd Year	3rd Year
Revenue/Income			
Plot Fees			
Grants			
Fundraiser			
Donations			
Balance from previous year			
Total Income			
Expenses/Costs			
Water hydrant			
Water bill			
Hoses			
Shed			
Tools			
Compost			
Mulch			
Lease			
Liability insurance			
Tilling			
Raised beds			
Seeds			
Transplants			
Printing			
Garden sign			
Fencing			
Bulletin board			
Total Expenses			
NET INCOME (Income - Expenses)			

Adapted from the Gardening Matters Twin Cities Community Garden Start-Up Guide.

Source: chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://extension.missouri.edu/media/wysiwyg/Extension data/Pub/pdf/miscpubs/mp0906budget.pdf

Appendix C: Community Garden Bylaws and Agreements

https://www.saskatoon.ca/sites/default/files/documents/community-services/community-development/GardeninginSaskatoon_Guidelines.pdf



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Appendix D: Saskatchewan Trickle Irrigation Manual

Source: chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://irrigationsask.com/wp-content/uploads/2024/08/83771-cdbf2912-be66-4974-b514-1d590ded123f.pdf