

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...

saskatchewan.ca



Saskatchewan 

Planning Your Community Garden

- Assessing Community Interest and Needs

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

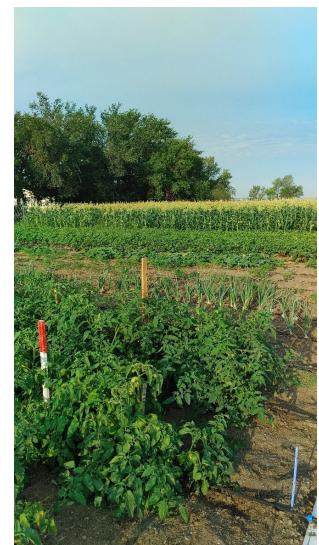
- Identifying an ideal location

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



saskatchewan.ca

8

Saskatchewan 

- 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.stokesseeds.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 varieites
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
<u>BEANS, BUSH</u>	800 seeds		116 M	45 lb	6500 lb
<u>BEANS, POLE</u>	420 seeds		46 M	80 lb	11,600 lb
<u>BEANS, LIMA</u>	1 lb	145 lb		17 lb	2500 lb
<u>BEANS, SHELL</u>	1/3 lb	72 lb		8 lb	3480 lb
<u>BEANS, SOY</u>	1/2 lb	87 lb		20 lb fresh; 12 lb dry	3000 lb fresh
<u>BEETS</u>	1500 seeds		436 M	40 lb greens; 65 lb roots	14,000 lb roots
<u>BROCCOLI</u>	300 seeds		87 M	50 lb	7250 lb
<u>BRUSSELS SPROUTS</u>	200 seeds		29–35 M	60 lb	8500 lb
<u>BURDOCK</u>	1/2 oz	6 lb		60 lb	13,000 lb
<u>CABBAGE</u>	200 seeds		29 M	150 lb; 60 heads	22,000 lb
<u>CHINESE CABBAGE</u>	300 seeds		66 M	90 lb; 60 heads	13,000 lb
<u>CARROTS</u>	3000 seeds		720 M	150 lb	33,000 lb
<u>CAULIFLOWER</u>	200 seeds		29 M	120 lb; 60 heads	17,000 lb
<u>COLLARDS</u>	3/32 oz	1 lb		75 lb	16,000 lb
<u>CORN, SWEET</u>	200 seeds		30 M	8 dozen ears	1200 dozen ears
<u>CORN, ORNAMENTAL</u>	1/8 lb	18 1/4 lb		20 lb fresh; 12 lb dry	2900 lb
<u>CUCUMBERS</u>	200 seeds		15 M	120 lb	17,500 lb
<u>ENDIVE</u>	600 seeds	10 oz	175 M	80 heads	17,000 heads
<u>GREENS, MUSTARD</u>	1600 seeds	1 1/3 lb		100 lb	29,000 lb
<u>KALE</u>	450 seeds	1 lb	112 M	75 lb	16,000 lb
<u>KOHLRABI</u>	1500 seeds		436 M	50 lb	14,500 lb
<u>LEeks</u>	600 seeds	11 oz	105 M	180 stalks	32,550 stalks

Community Garden Guide for Indigenous Communities
Connie Achtymichuk- Saskatchewan Government Ministry of Ag
Connie.Achtymichuk@gov.sk.ca

	AVERAGE SEEDS NEEDED PER 100' ROW	AVERAGE YIELD PER ACRE, by WEIGHT	ACRE, by #M (M=1000 SEEDS)	AVERAGE SEEDS NEEDED PER 100' ROW	AVERAGE YIELD PER ACRE
<u>DIRECT-SEEDED VEGETABLE CROP</u>					
<u>LETTUCE</u>	600 seeds	10 oz	174 M	100 heads	29,000 heads
<u>MELONS (<i>Cucumis melo</i>)</u>	200 seeds		15 M	100 fruits	14,500 fruits
<u>ONIONS, BULBING</u>	2000 seeds		580 M	140 lb	42,000 lb
<u>ONIONS, BUNCHING</u>	½ oz	7½ lb	1130 M	100 lb	29,000 lb
<u>PARSNIP</u>	⅓ oz or 2000 seeds	4 lb	436 M	75 lb	16,000 lb
<u>PEAS, FRESH</u>	1¼ lb	272 lb		25 lb	5000 lb
<u>PUMPKINS</u>	200 seeds	5 lb	15 M	300 lb	21,500 lb
<u>RADISHES, SMALL</u>	1½ oz	31 lb	1555 M	100 bunches	29,000 bunches
<u>RADISHES, DAIKON</u>	⅓ oz	5¼–7 lb		200 lb	43,000 lb
<u>RUTABAGA</u>	600 seeds	14½ oz	131 M	150 lb	32,500 lb
<u>SALSIFY</u>	¾ oz	10½ lb		60 lb	17,400 lb
<u>SPINACH, FULL SIZE</u>	1000 seeds		290 M	40 lb	11,600 lb
<u>SUMMER SQUASH, ZUCCHINI</u>	300 seeds		22–26M	200 lb	30,000 lb
<u>SUMMER SQUASH, YELLOW</u>	300 seeds		22–26M	200 lb	30,000 lb
<u>SUMMER SQUASH, PATTY PAN / SCALLOP</u>	300 seeds		22–26M	150 lb	22,000 lb
<u>TURNIP</u>	⅓ oz	5½ lb		100 lb greens; 50 lb roots	14,500 lb roots
<u>WINTER SQUASH</u>	200 seeds		15 M	200 lb	30,000 lb
<u>WATERMELON (<i>Citrullus lanatus</i> var. <i>lanatus</i>)</u>	200 seeds	1½ 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>

Transplanted Vegetable Crops

TRANSPLANTED CROP	PLANTS to EXPECT from *		DAYS from SOWING to TRANSPLANTING		AVERAGE YIELD per 100' ROW
	SEED PACKET	1000 SEEDS	SOWING to TRANSPLANTING	TRANSPLANTING to MATURITY	
<u>ARTICHOKEs</u>	16	650	56-84	85-100	95 lb
<u>BEETS</u>	260	750	35-42	35-45	65 lb
<u>BROCCOLI</u>	80	800	21-28	45-70	50 lb
<u>BRUSSELS SPROUTS</u>	80	800	28-42	100-110	60 lb
<u>CABBAGE</u>	80	800	28-42	50-150	150 lb
<u>CAULIFLOWER</u>	80	800	28-42	45-80	120 lb; 60 heads
<u>CELERIAC</u>	188	750	70-84	100-120	60 lb
<u>CELERY</u>	188	750	70-84	75-90	100 heads
<u>EGGPLANT</u>	20	800	42-56	50-75	75 lb
<u>KALE</u>	80	800	28-42	40-50	75 lb
<u>KOHLRABI</u>	80	800	28-42	30-40	50 lb
<u>LEEKs</u>	175	700	70-84	75-100	180 stalks
<u>LETTUCE</u>	450	900	21-28	35-65	100 heads; 50 lb
<u>MELONS (<i>Cucumis melo</i>)</u>	24	800	14-21	70-85	100 fruits
<u>ONIONS, BULBING</u>	188	750	70-84	75-100	140 lb
<u>PEPPERS</u>	20	750	42-56	50-70	50 lb
<u>TOMATOES</u>	32	800	35-56	50-85	150 lb
<u>WATERMELON (<i>Citrullus lanatus</i> var. <i>lanatus</i>)</u>	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://efaidnbmnnibpcajpcglclefindmkaj/https://extension.missouri.edu/media/wysiwyg/Extension data/Pub/pdf/miscpubs/mp0906budget.pdf

Community Garden Guide for Indigenous Communities
Connie Achtymichuk- Saskatchewan Government Ministry of Ag
Connie.Achtymichuk@gov.sk.ca

Appendix C: Community Garden Bylaws and Agreements

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



Community Garden Guide for Indigenous Communities
Connie Achtymichuk- Saskatchewan Government Ministry of Ag
Connie.Achtymichuk@gov.sk.ca

Appendix D: Saskatchewan Trickle Irrigation Manual

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