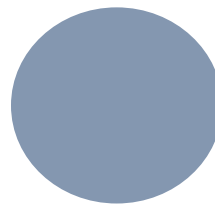
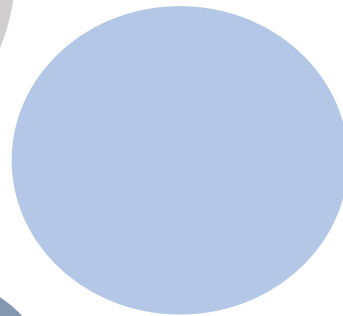
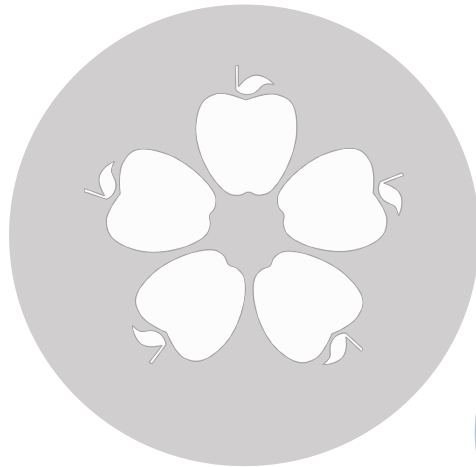


Social Return on Investment The Garden Patch 2018



Created for Saskatoon Food Bank Inc. & the Garden Patch
Anh Pham, MPH



UNIVERSITY OF SASKATCHEWAN
College of Nursing
USASK.CA/NURSING

Executive Summary

This is an evaluative type of social return on investment report for the Garden Patch. A social return on investment (SROI) approach on the Garden Patch was used to gain an understanding on the social impact for the people of Saskatoon. This work was done in hopes to give a deeper understanding on how much social value is received from the investments made into hiring staff, running workshops, recruiting volunteers, hosting school groups, purchasing gardening needs, building working sheds and all the work put into harvesting and distributing the vegetables to the community members.

The SROI will assist in understanding the value that the Garden Patch has created for themselves, their shareholders, the surrounding community and the society as a whole, through the usage of consistent SROI measures. SROIs are a credible, comparable and broadly accepted social impact measurement approach that can be valuable for the organization's sustainable growth.

The Garden Patch began as the Potato Patch in 2010. It is a grassroots movement, volunteer operated initiative to convert a vacant city block in the City Park Neighbourhood into a productive space for growing food for the Saskatoon Food Bank and Learning Centre (SFBLC). In the last nine years, the Garden Patch has produced over 110,000 lbs. of vegetables for distribution through emergency food baskets at the SFBLC (Garden Patch, 2018). We will be evaluating the social return on investment for the growing season of 2018.

The goal of the Garden Patch is to grow fresh and nutritious food for distribution to the community using sustainable food production techniques that use community engagement, asset building opportunities and nurture a network of local Saskatoon residents capable of achieving food security by growing their own food.

Main objectives of the Garden Patch

- Engagement
- Education
- Demonstration
- Food Access
- Food Policy

Data sources used and created for the SROI included record reviews, key informant interviews and community surveys. Record reviews was composed of examining sources such as the harvest data, volunteer log, organization's budget and workshop attendance data. The evaluator conducted key informant interviews with stakeholders, which included conversations with community members, volunteers, staff members. Staff member and volunteer surveys were collected through telephone interviews with the evaluator. Online surveys were distributed to those who had volunteered with the Adopt-A-Plot program at the Garden Patch. Numerous surveys were conducted in-person at the SFBLC with community members who were accessing the food hampers.

After receiving feedback from the stakeholders, the program outcomes that were most valued were noted and measured in this SROI. The inputs and resources used to run the Garden Patch costed

\$96,474.01 in 2018. This included wages, gardening tools, infrastructure, workshops and other educational resources. The outputs of the program are the vegetables for the food hampers, compost, gardening skills, physical and psychological health, work experience and learning experiences. The outcomes were determined and valued using financial proxies.

Through the SROI, the social value was discovered for the Garden Patch. There are however, limitations to this process and should be taken in consideration with the methods to determine the social value. The evaluator was careful to measure what is a value to the program and not to overvalue the outcomes. The outcome value for the Garden Patch has been valued at \$173,332.99. For each outcome, the deadweight, attribution and displacement has been considered and discounted to calculate the impact value of \$173,332.99. The final calculation of impact for the Garden Patch is expressed as a ratio of present divided by value of inputs. For this analysis, the social return ratio of the present value divided by value of inputs is 1.62:1. Therefore, it has been estimated that for every dollar invested in the Garden Patch activities, there is \$1.62 of social value created.

Social Return on Investment of the Garden Patch

Acknowledgements

- Community members of the SFBLC
- Volunteers of the Garden Patch
- Garden Patch staff
- Adrian Werner
- Wanda Martin
- College of Nursing
- Saskatchewan Public Health Association

Thank you to Wanda Martin for introducing me to this new method and encouraging me to take a course on the social return on investment method. The College of Nursing and Saskatchewan Public Health Association helped with funding the course and the project. I am grateful for Jolene Zidkovich, Laura Hopkins and the staff of the Saskatoon Food Bank and Learning Centre for supporting me with this project as I collected data, shared ideas and learned new skills for future community work. Huge thanks to students that helped transcribe and collect data for the project. Huge thanks to the community members that were so willing to participate and answer survey questions for this evaluation. Special thanks to Adrian for the time and commitment spent gathering various data and information about the program, the work spent growing vegetables and collecting great data to work with, for direction and guidance with the process and organizing data collection and analysis for the project. This project was successful because of the effort of so many people.

Objectives of the Social Return on Investment of the Garden Patch

A social return on investment (SROI) approach on the Garden Patch was used to gain an understanding on the social impact for the people of Saskatoon. This work was done to give a deeper understanding on the social value received from the investment made into hiring staff, running workshops, recruiting volunteers, hosting school groups, purchasing gardening needs, building working sheds, and all the work put into harvesting and distributing the vegetables to the community members.

The SROI assists in understanding the value that the Garden Patch has created for themselves, their shareholders, the surrounding community and the society as a whole, through the usage of consistent SROI measures. SROIs are a credible, comparable and broadly accepted social impact measurement approach that can be valuable for the organization's sustainable growth. Decision makers recognize the value of people and communities, but it is difficult to translate these values into language that is understood and usable. Unfortunately, this may lead to undervaluing and subsequently underinvesting in social resources.

Background

The Garden Patch

The SFBLC Garden Patch began as the Potato Patch in 2010. It is a grassroots movement, volunteer operated, initiative to convert a weedy and vacant city block in the City Park Neighbourhood into a productive space for growing food for the Saskatoon Food Bank and Learning Centre (SFBLC). In the last nine years, the Garden Patch has produced over 110,000 lbs. of vegetables for distribution through emergency food baskets at the SFBLC (Garden Patch, 2018). We will be evaluating the social return on investment for the growing season of 2018.

Garden Patch Primary Goal

To grow fresh and nutritious food for distribution to the community using sustainable food production techniques that utilize community engagement and asset building opportunities and nurture a network of local Saskatoon residents capable of achieving food security by growing their own food. (Garden Patch, 2018)

Main Objectives of the Garden Patch

- Engagement
- Education
- Demonstration
- Food Access
- Food Policy

(Strategic Planning Document 2018)

Program Logic Model

The Urban Agriculture Program Logic Model serves to summarize the goals and objectives of the SFBLC Garden Patch. These objectives are divided into engagement, education, demonstration, food access, and food policy. Each objective has a set of key objectives and activities; however, every activity serves multiple purposes. The program logic model serves as a living document, which evolves as the program continues to change. A critical component of the logic model is that it aligns with the strategic plan of the SFBLC, which informs the direction of the organization. (from Strategic Planning Document, 2018) See Appendix A.

Purpose of the Evaluation

Scope of the Evaluation & SROI

A SROI is a principles-based method for measuring extra-financial value (i.e. environmental and social value not currently reflected in conventional financial accounts) relative to resources invested. The SROI method has been standardized by Social Value UK and provides a consistent quantitative approach to understanding and managing the impact of a project, business, organization, fund or policy. This method puts financial 'proxy' values on all the impacts by stakeholders that do not typically have market values.

An SROI is a framework for measuring and accounting for program activities and impacts of a project. It is a structured way of understanding a program using a specific number, but a program tells a story and there is a story told within this value. This number incorporates the social, environmental, economic costs and benefits of the Garden Patch. SROI about value, rather than just a financial number. This report is written to understand the ratio value created of benefits to costs that is calculated for the Garden Patch's growing year of 2018.

The principles of the evaluation:

1. Involve stakeholders
2. Understand what changes
3. Value the things that matter
4. Only include what is material
5. Do not overclaim
6. Be transparent
7. Verify the result

Type of SROI

There are two types of SROI - evaluative SROIs where data is retrospective and forecast SROIs that predict the social value of intended outcomes. The Garden Patch project is an *evaluative type*. It included a combination of qualitative, quantitative and monetary summaries of information about the organization and their outcomes.

Focus of the SROI

The focus of the SROI is to provide a useable report with quantitative and qualitative data to understand and share the return on investment to funders, volunteers and supporters. The Saskatoon Food Bank and Learning Centre along with the Garden Patch can use this information to make decisions for the future of these programs to effectively provide for the needs of the community. The audience of the report includes stakeholders, the City of Saskatoon, funders, and

donors to the food bank. Other food banks and urban agriculture organizations can also use this report to build a case for developing a similar program in their cities or towns.

Stakeholders

Food Bank Users - The food grown in the Garden Patch is directly used in the food hampers. The food bank users and volunteers of the Garden Patch are the people for whom the organization exists. There is a cross over between these two groups. The Garden Patch is working to increase the community engagement to the individuals accessing the Saskatoon Food Bank.

Stakeholder Analysis

- Food Bank Clients - Members of the community accessing Saskatoon Food Bank receive the vegetables that are grown in the Garden Patch. Some of the clients have also volunteered in the Garden Patch. The main purpose of the Garden Patch is to provide fresh healthy vegetables in the food hampers for clients.
- Volunteers - There are many volunteers that come by the garden patch to do various tasks to keep the vegetables and plants growing healthy. It was important to talk to volunteers that use the food bank, long term volunteers and short-term volunteers.
- Gardening 101 Participants - A course can be taken to receive a gardening certificate. Gardening skills are taught by staff and participants gain employment skills from this experience. Staff have written reference letters to help participants obtain jobs.
- Adopt-A-Plot Teams - Groups of friends, family members or co-workers have volunteered together to adopt a few rows at the Garden Patch over the summer.
- Garden Patch Staff - The staff at the Garden Patch work hard to maintain the land, organize volunteers, guide tours, teach workshops, collect data and evaluate the programs.
- CHEP Good Food Inc. – CHEP collaborates with the Garden Patch on committees and the Healthy Yards project. They also lend tools and occasionally some labor too. They triage plants and share donations of plants, seeds and soil when available. The gardening 101 certification is offered through CHEP. Asiky interns (a garden program through CHEP) teach the small space gardening workshop and also collaborate on the holiday agriculture party.
- City of Saskatoon - The City of Saskatoon allows the Garden Patch to rent an empty lot for \$1 per year to operate the program. In partnership with numerous stakeholders, the City of Saskatoon is involved in the Healthy Yard demonstration. Twenty yards of completed compost and 50% of all the water bills are covered by the Garden Patch. Representatives from the Garden Patch contribute to four policy meetings per year to provide information as a community stakeholder.

- University of Saskatchewan - The university has partnered with the City of Saskatoon to create Healthy Yards, which are demonstration gardens to teach the public about the benefits of having a healthy yard and garden. They print signs for education in the Garden Patch. They offer information for the Garden Patch and other gardeners through Gardenline. The university has lent a tractor for putting down mulch and donated leaf cutter bees. The Horticulture Club donated pumpkins and students are hired to work at the Garden Patch. A Garden Patch representative sits on university committees and is involved with the College of Nursing and Division of Nutrition and Dietetics. The Garden Patch also offers practicum experience for Social Work students. The College of Agriculture and Bioresources hosts 2 workshops and teaches parts of Gardening 101.

- Saskatchewan Waste Reduction Council – Master gardeners help out at the Garden Patch and have hosted 6 workshops. They have also collaborated with the Healthy Yards demonstrations and Gardenscape (annual trade show). Compost coaches can get service hours at the Garden Patch. The Garden Patch has provided waste vegetables for the compost coaches' Food Waste Dinner and has also provided meeting spaces.

- Saskatoon Food Council (SFC) – SFC is a member of the Healthy Yards partnership and works in with others to organize the Urban Agriculture Holiday Party. The SFC also offers the Urban Ag tour and together they work on policy changes, food reclamation, and garden related by-laws.

- Saskatoon Seed Library - Members of this program use heirloom vegetable seeds, grow the plants and save the seeds to share with others. Saskatoon Seed Library has a partnership between the Garden Patch and CHEP Good Food. Three seed saving workshops are offered at the Garden Patch and volunteers can help plant and tend the seed garden as well as harvest the seeds. Volunteers come to water and weed their section of the harvest.

- | | |
|--|---|
| <ul style="list-style-type: none"> ■ Funders/Corporate Partners Nutrien Mosaic Cargill City of Saskatoon City Park Community Association – Pumpkin Festival TD Friends of the Environment UN Association of Canada Canada Summer Jobs Super Save – fencing, bathrooms/maintenance and disposal | <ul style="list-style-type: none"> Saskatoon Community Foundation Safe Co – metal storage locker Early's Farm and Garden Centre – donation of seeds Greenhouses that donate seedlings Telus United Way SaskTel BMO (Bank of Montreal) Weidner Apartment Homes |
|--|---|

- Bee Keeper - There are two beehives located in the Garden Patch. The honey is split 50/50 between the beekeeper and the Garden Patch. There is one beekeeper that tends to these

hives and has donated 75 lbs of honey to the Food Bank. The bee keeper teaches a workshop as well. In turn, the bees help increase the yield in the garden.

Stakeholder Involvement

A summary of stakeholders and their involvement in the program is shown below. More details on how the stakeholders were consulted are provided in the data sources section.

Table 1: Stakeholder Involvement

Stakeholders	Size of stakeholder group	Number involved	How involved
Food Bank Clients	Approximately 20, 000 people	113 surveys were completed	An honorarium was provided from those who participated. Many took interest in getting involved.
Volunteers	Hundreds of volunteers come through the Garden Patch	227 workshop participants and 13 adopt-a-plot surveys were completed	Medium interest was taken. Volunteers that came very few times were not contacted.
Gardening 101 Participants	2 people participated	1 key informant interview was completed	High interest and engagement in providing feedback.
Adopt-A-Plot	26 teams of people	13 surveys were completed	Medium interest. Multiple emails were sent to volunteers to participate.
Garden Patch Staff	7 people	Conversations with manager and structured interviews with Garden Patch staff.	High interest and engagement in the evaluation process.
Beekeeper	1	1 key informant interview was completed.	High interest in providing feedback.

Stakeholders that were not directly consulted for the evaluation were CHEP Good Food Inc., City of Saskatoon, University of Saskatchewan, Saskatoon Waste Reduction Council, Saskatoon Food Council, Saskatoon Seed library and Corporate Funders and Partners. These are partners supporting the Garden Patch and did not need to be contacted to calculate the impact that this program has directly on the community members.

Data Sources

Records Review

A review of existing information or prior evaluations or data sources from the Garden Patch was assessed. A records review is a cost-effective means of obtaining available data without interrupting program implementation. Sources such as the harvest data, volunteer log, organization's budget and workshop attendance data were analyzed. This data was used to value inputs, outputs and outcomes of the Garden Patch. (See Appendix B for list of data sources)

Key Informant Interviews

The evaluator conducted key informant interviews with key members of the community, volunteers and staff members with expertise and experience of the Garden Patch. Key informant interviews are in-depth qualitative interviews with individuals who play a significant role in the community. The purpose of conducting interviews is to collect information from a variety of sources that can provide additional knowledge and insight into the program. Key informant interviews included conversations with community members, volunteers, staff members. (See Appendix C for the interview questions)

Community Surveys

Surveys are a common tool used in data collection and is often used in evaluations. Composed of thoughtfully crafted questions, surveys can collect information on a specific topic or issue. Surveys are also versatile in that qualitative and quantitative data can be captured. Qualitative data was collected by a social work student through the use of open-ended questions, which were somewhat unstructured, where community members may respond freely. Quantitative data can be collected via structured direct questions with multiple choice answers in which the respondent can select from. Surveys were conducted in-person at the Saskatoon Food Bank and Learning Centre on location with community members. A grocery store gift card was given to those who participated in the survey. (See Appendix D for the community survey questions)

Data Analysis

In regard to record reviews, previous data was obtained through the Garden Patch Program Coordinator. Harvest data, volunteer log, workshop data and the organization's budget were tracked throughout the Garden Patch's growing season of 2018.

The harvest data consists of the categories of vegetables and total weight that was grown. Using this data, the cost of these vegetables was determined by using farmers' market prices and supermarket prices (No Frills and Superstore). Once the costs were determined for the vegetables, an average was calculated using both farmers' market and supermarket costs. The average was calculated for the vegetables since the quality of these locally grown vegetables would be more accurate with farmers'

market vegetables, but clients would more likely be buying vegetables from the supermarket. Therefore, the average cost of \$ 49, 643.21 was reported. List of vegetables and pounds per vegetable are found in Appendix E.

Total pounds of vegetables grown at the Garden Patch = 21, 720.40 lbs

Cost of vegetables grown at the Garden Patch

Farmers' market prices = \$57, 208.72

Supermarket prices = \$42, 077.70

A volunteer log is kept as volunteers sign-in and out at the Garden Patch. It was noted that there was 3,930 hours of volunteering invested into the Garden Patch. Different tasks that were documented were site maintenance, planting, weeding, harvesting, education and tours.

Workshop attendance and feedback was recorded after each session. There were over 30 different workshop topics and there were 227 people that participated at these workshops throughout the growing season.

List of the workshop sessions in 2018 and the number of participants:

- Compost 101 (16)
- Edible + Medicinal Plants (11)
- Harvesting + Using Finished Compost (12)
- Vermicomposting (4)
- Traditional Plant Use (8)
- Hot Composting (8)
- What's that Critter? (3)
- Beekeeping (13)
- Plant Seed Library (17)
- Saving Tomato Seeds (5)
- Reclaiming Our Prairie (15)
- Story of Soil (6)
- Low Water Gardening (1)
- Compost Workshop (3)
- Container + Small Space Gardening (15)
- Natural Pest Control (4)
- Saving Rain Water (1)
- Bioblitz (6)
- Garden Patch Tour + Compost Demo (27)
- The Snacking Garden (6)
- Plants for Pollinators (2)
- Harvesting Wildflower Seeds (8)
- How to Build an Insect Hotel (2)
- Canning + Preserving (11)
- Seed Library Harvest Party (11)
- Bread and Berries (12)

Some of the reported skills learned at the workshops include: how to utilize a grow light and fan, how to start seeds, vermiculture composting methods, bin composting and pit composting, edible plants and weeds, dealing with pests, beneficial insects, about bee mortality and beekeeping process, general planting, why native plants are important and how to grow native species, and the make-up of soil.

Outcomes and Evidence

Through 116 client surveys conducted at the Food Bank, it was found that 66 people were familiar with the Garden Patch. One client stated that, "Yes, I visit as often as I can! Fantastic, all of it! The

knowledge and expertise of the staff are phenomenal, and they listen to suggestions.” It was also found that 20 of these people have been to the Garden Patch. 76% of the clients were interested in going to the Garden Patch. This shows that people accessing the Food Bank find value in visiting the Garden Patch and are interested in getting involved in the future especially with special events like a community BBQ, getting food if you volunteer, workshops and work experience programs.

It was also discovered through client surveys that 46% of the clients that participated in the survey use all of the produce in their hampers and 45% said that there is not enough produce in the hamper. The produce from either the Garden Patch or grocery stores is sometimes rotten, but it was stated numerous times that the produce is very valuable to the clients and their families. One client mentioned, “I love the variety of fresh items. If I get something I’ve never tried before, I enjoy looking up new recipes to try out!”. Another client stated, “My family is too big and needs more produce.” The fresh high-quality vegetables are an obvious need and the Garden Patch has provided clients with 21, 720.40 lbs of produce.

Inputs and Outputs

The key activities (inputs) under analysis are:

- Wages for staff
- Materials for gardening (tools)
- Infrastructure (sheds built)
- Workshops, presentations & materials
- Educational Resources

Table 2: Inputs of the Garden Patch

Stakeholders	Inputs	Value	Outputs
Urban Ag Program Manager, Horticulture Coordinator, Engagement Coordinator, 2 Horticulture Assistant, Fall Horticulture Assistant	Time, commitment, skills, expertise and experiences	\$ 121 313.48	5, 325 hours of staff time invested, 7 employed staff, 21720.4 lbs of vegetables produced
	Time at wage of \$/hr for x hours		
	Producing and harvesting vegetables		Evaluations and data collection costs
	Professional development	\$3 548.13	Job satisfaction, cell phone bills, t-shirts and shoes
	Workshop presentation	\$ 782.30	Over 27 workshops and 234 participants attended

	Student education	\$ 184.29	20 student groups volunteered at the Garden Patch
	OH&S	\$ 45.27	Safety for the volunteers and staff
	Irrigation System	\$ 2 426.81	Site development
	Site Improvement	\$ 1 232.11	Site development
	Communication and events	\$ 2 630.09	Program exposure and promotion. Funder promotion.
Volunteers Adopt-A-Plot School groups and corporate groups	Materials for gardening	\$ 9 255.51	lbs of vegetables produced
	Time and commitment	\$0	3,870 hours of volunteering and gardening experience
	Materials specifically for Adopt-A-Plot group	\$1 211. 97	26 Adopt-A-Plot groups involved
	Time and commitment from school groups	\$0	19 different school groups involved, 453 students/teachers and 737.25 hours invested
City of Saskatoon	Land	\$1.00	Renting the lot for the Garden Patch.
	Water bills	\$ 5 719.97	Watering plants and lbs of vegetables produced. Handwashing stations.
University of Saskatchewan	Support and partnership	\$0	Committee meetings with Garden Patch. Healthy Yards demonstration garden. Teaching workshops. Hiring students and providing work experience.
CHEP Good Food Inc.	Support and partnership	\$0	Committee meetings with Garden Patch. Healthy Yards demonstration garden. Aisky interns teaching workshops. Provide Gardening 101 certificate.
Saskatchewan Waste Reduction Council	Support and partnership	\$0	Master gardeners give input and help with the gardens. Provide 6 workshop sessions.

			Healthy Yards demonstration garden.
Saskatoon Food Council	Support and partnership	\$0	Partners with the Urban Ag Holiday Party. Host the Urban Ag tour and collaborate on committees to discuss policy changes & garden laws.
Saskatoon Seed Library	Time, commitment and expertise	\$0	Provide seeds and teach 3 workshops.
Funders/ Corporate Partners	Funding for salaries, developmental costs, gardening materials	\$0 cost to the Garden Patch.	Funders are mentioned on the staff t-shirts and at the Community BBQ.
Beekeeper	Time and equipment for maintaining beehives and harvesting the honey.	\$ 695.77	75 lbs of honey donated to the food bank. Greater vegetable yield. 1 workshop taught.
Total		\$ 96 474.01	

The key outputs under analysis are:

- Vegetables & Compost
- Maintaining land
- Gardening skills
- Physical and psychological health
- Gardening 101 Certificate Program (work experience)
- Seeds from the seed library
- Hours of volunteer work (providing experience)

Table 3: Outputs of the Garden Patch

Stakeholders	Outputs	Outcomes (what changes?)
Food Bank	3,930 of hours of volunteer time invested into the Garden Patch	Fresh locally grown produce for the Food Bank hampers. Increased environmental benefits.
Food Bank users	21720.4 lbs of local vegetables produced for the food hampers	Access to nutrient-dense produce in food hampers. Work experience is developed from volunteering. Decreased risk of chronic diseases and any other diet related illnesses.

	Volunteer hours invested into the Garden Patch	Learning how to produce and grow own vegetables. Reduce food insecurity
Volunteers (including Adopt-A-Plot, school groups and corporate groups)	3,930 hours of volunteering invested into the Garden Patch 21720.4 lbs of vegetables produced	Learning new gardening skills, composting skills, community building, improved self-esteem, confidence and well-being.
	3,870 of hours engaging in outdoor physical activity	Physical health and psychological health increases. Engaging in purposeful activity. Influence in eating healthier produce and foods.
	26 Adopt-A-Plot groups involved	Volunteer independence and work readiness increase.
	19 different school groups involved, 453 students/teachers and 737.25 hours invested	Confidence to improve and maintain own garden or start growing their own food.
	32.25 yards of compost and 777 bags of leaves	Increased growth in vegetables and learning composting skills.
	Education and workshop presentations. Over 27 workshops presented, 64 surveys collected from workshop participants.	Learning new gardening techniques, composting, building garden beds, beekeeping, harvesting/starting seeds, cooking techniques and benefits of plants.
Staff	5,325 hours of staff time invested 7 employed staff, 21720.4 lbs of vegetables produced More than 12 different data collection documents produced. Teaching 3 cooking workshops. Offering food safety courses.	Engaging in purposeful activity and have job satisfaction. Improving teaching, managing and gardening skills. Sharing food safe and cooking knowledge with others.
City of Saskatoon	Renting the lot for the Garden Patch. Watering plants and lbs of vegetables produced.	Improve community esthetics and use of land. Space for community engagement and social infrastructure. Providing land for a welcoming teaching space.
University of Saskatchewan	Committee meetings with Garden Patch. Healthy Yards demonstration garden. Teaching workshops. Hiring	Enhance collaborations and create synergy among Garden Patch and other food related studies

	students and providing work experience.	
CHEP Good Food Inc.	Committee meetings with Garden Patch. Healthy Yards demonstration garden. Aisky interns teaching workshops. Provide Gardening 101 certificate.	Collaborations and build community knowledge through Healthy Yards and workshops
Saskatchewan Waste Reduction Council	Master gardeners give input and help with the gardens. Provide 6 workshop sessions. Healthy Yards demonstration garden.	Collaborations and build community knowledge through Healthy Yards and workshops
Saskatoon Food Council	Partners with the Urban Ag Holiday Party. Host the Urban Ag tour and collaborate on committees to discuss policy changes & garden laws.	Collaborations to create policies and by-laws. Building community knowledge through the holiday party and Urban Ag tour.
Saskatoon Seed Library	Provide seeds and teach 3 workshops.	Collaborations and build community knowledge.
Funders/ Corporate Partners	Funders are mentioned on the staff t-shirts and at the Community BBQ.	Volunteer opportunities. Collaborations and build community knowledge.
Beekeeper	75 lbs of honey donated to the food bank. Greater vegetable yield. 1 workshop taught.	Honey distributed to the community members. Collaborations and build community knowledge.

The outcomes and indicators are determined in the table below. Stakeholders were contacted and interviewed to value what matters to them.

Outcomes that are under analysis are:

- Freshly grown vegetables for food hampers
- Increased environmental benefits
- Education. Learning new gardening skills, community building, improved self-esteem, confidence and well-being.
- Volunteer independence and work readiness increase
- Confidence to improve and maintain own garden or start growing their own food.
- Physical health and psychological health increases.
- Compost for the Garden Patch to properly fertilize the soil with essential nutrients.
- Improve community esthetics and use of land. Space for community engagement.
- Providing land for a welcoming teaching space. Providing workshops for community members
- Enhance collaborations and create synergy among Garden Patch and other food related studies
- Collaborations and build community knowledge

Similar changes

There are some similar changes that can be grouped together so that outcomes are not double counted. Some changes that were considered were:

- Education of gardening, workshop sessions
- Work readiness, increased confidence and self-esteem

Negative and unintended changes

For all the positive and intended changes that happen there is a potential for negative and/or unintended outcomes.

Indicators

Table 4: Indicators and Values of the Garden Patch

Outcome Description	Indicator	Financial Proxy	Value \$
Fresh locally grown produce for the Food Bank hampers Access to nutrient-dense produce in food hampers	Total cost of vegetables	Cost if vegetables are purchased for the food bank hampers using average of supermarket and farmers' market prices.	\$ 49, 643.21
Reducing gas emissions and increased environmental benefits. Time is saved when transporting vegetables from the Garden Patch since sorting has already been done. Cost of pollution if families were living in the space instead of the having the Garden Patch.	Cost of shipping on same amount of vegetables (lbs) \$609 per family using carbon tax return for families – Government cost on pollution	Renting a U-haul truck Size 20' or 26' to move fresh vegetables from a wholesaler in the city. (average 10km from any superstore in the city) -rented for 8 hours \$39.95 + \$0.96/kilometers @10km x 2 = \$59.15 (7 days) A block of families of 4 living on that block with 10 houses.	\$ 414.05 \$ 6, 090.00
Education. Learning new gardening skills, community building, improved self-esteem,	Gardening 101 education for participants.	Compared with the same Gardening 101 program taught at Gardenline through the	\$ 65, 000.00

<p>confidence and well-being.</p> <p>Volunteer independence and work readiness increase.</p> <p>Confidence to improve and maintain own garden or start growing their own food.</p>	<p>3,870 hours of volunteering invested into the Garden Patch</p> <p>19 different school groups involved, 453 students/teachers and 737.25 hours invested</p>	<p>University of Saskatchewan. \$8,000.00 a course x 7 participants</p> <p>3,780 hours x minimum wage work (10.96)</p>	<p>\$ 41,428.80</p>
<p>Physical health and psychological health increases.</p>	<p>Cost of low impact exercise class.</p>	<p>Average cost of Pilates/Yoga in Saskatoon. Average \$16 per hour volunteer drop in.</p> <p>1 session for each volunteer. (calculated around 213 unique individual groups or volunteers) \$16 x 213 volunteers</p>	<p>\$ 3,408.00</p>
<p>Compost for the Garden Patch to properly fertilize the soil with essential nutrients.</p>	<p>Cost of purchasing compost for the Garden Patch.</p>	<p>\$25 per yard Minimum Cost. \$33 per yard Maximum Cost. Using average cost of compost. \$29 per yard</p> <p>88 yards in 1 city block</p>	<p>\$ 2,552.00</p>
<p>Learning new gardening techniques, composting, building garden beds, beekeeping, harvesting/starting seeds, cooking techniques and benefits of plants.</p>	<p>Education and workshop presentations. Over 30 workshops presented, 227 participants, 64 surveys collected from workshop participants.</p>	<p>Cost of renting a space for community gardening workshops and average cost of a paid workshop.</p> <p>227 participants x \$30</p>	<p>\$ 6,810.00</p>
<p>Sharing food safe knowledge with others.</p>	<p>Cost of food safety course through other organizations. 3 classes of 15 people.</p>	<p>Food safety \$65 per person x 45 participants</p>	<p>\$ 2,925.00</p>

Improve community esthetics and use of land. Space for community engagement.	Cost of managing and maintaining a park in Saskatoon.	Cost of annual maintenance of medium size open area park, does not include any building structures.	\$ 3, 500.00
Enhance collaborations and create synergy among Garden Patch and other food related studies. Community input on system decision and policy making.	25 hours of time spent collaborating and in meetings.	Minimal cost for a networking event/conference @\$10/hr	\$ 250.00
Honey distributed to the community members.	Total cost of honey produced.	75 lbs of honey \$9.15 per kg	\$ 311.93
Total			\$ 173, 332.99

Duration of change

These changes are being measured over one year.

Financial proxies and sources

Reducing greenhouse gas emissions

<https://www.canada.ca/en/environment-climate-change/services/climate-change/pricing-pollution-how-it-will-work/saskatchewan.html>

How many houses are in a block?

https://en.wikipedia.org/wiki/City_block

renting a u – haul

<https://www.uhaul.com/Reservations/RatesTrucks/>

Composting costs

https://www.canr.msu.edu/uploads/236/79117/Compost_for_Midsize_FarmsQuickCourse8pgs.pdf
<https://www.improvenet.com/r/costs-and-prices/composting>

How many yards is in a city block?

<https://www.convertunits.com/from/yards/to/city+blocks>

Cost of maintaining a medium size park

<https://content.ces.ncsu.edu/cost-analysis-for-improving-park-facilities-to-promote-park-based-physical-activity>

Master Gardening Course and Garden Fundamentals at Gardenline. (University of Saskatchewan)
Gardening 101 Course

Cost of honey

<http://www.omafra.gov.on.ca/english/stats/hort/honey.htm>

Food safety course

<http://www.rghealth.ca/department/environmental-health/safe-food-handlers-courses>

Impact

Deadweight, attribution and displacement

For each change, the deadweight, attribution and displacement has been considered.

- Would the change have happened anyway?
- Is any of the change caused because of others?
- Has this activity just moved something rather than changing it?

There is a possibility for that space at the Garden Patch to be used in different ways, but it did not displace something that was happening beforehand.

Deadweight

- Without the Garden Patch there isn't a great chance that the vegetables for the food hampers would have been grown, volunteer provided with this type of experience and workshop opportunities.

Attribution

- Volunteers mentioned that they had already learned skills from another course, from friends and family members. People volunteering at the Garden Patch probably have an interest in gardening or some experience. Therefore, the attribution percentage is higher.

Displacement

- The area used to garden vegetables was an empty lot that could have been made into other purposes, such as housing, park, or commercial infrastructure. The percentage in displacement is low because the Garden Patch did not replace anything that was there in the past but made use of land that was ignored and unproductive.

Table 5: Impact Value

Financial Proxy	Value \$	Deadweight	Attribution	Displacement	Impact
Cost if vegetables are purchased for the food bank hampers using average of supermarket and farmers' market prices.	\$ 49,643.21	0%	0%	0%	\$ 49,643.21
Cost of transporting vegetables from a wholesaler in the city. (average 10km from any superstore in the city) - Renting a U-haul truck for 8 hours \$39.95 + \$0.96/kilometers @10km x 2 = \$59.15 (7 days)	\$ 414.05	5%	10%	10%	\$ 310.54
Reducing pollution. A block of families of 4 living on that block with 10 houses.	\$ 6,090.00	0%	0%	10%	\$ 5,481.00
Compared with the same Gardening 101 program taught at Gardenline through the University of Saskatchewan. \$8000.00 a course x 7 participants.	\$ 56,000.00	0%	10%	0%	\$ 50,400.00
Work and volunteer experience. 3,780 hours x minimum wage work (\$10.96)	\$ 41,428.80	5%	10%	5%	\$ 33,143.04
Average cost of Pilates/Yoga in Saskatoon. Average	\$ 3,408.00	5%	20%	0%	\$ 2,556.00

<p>\$16 per hour volunteer drop in.</p> <p>1 session for each volunteer (calculated around 213 unique individual groups or volunteers) \$16 x 213 volunteers</p>					
<p>\$25 per yard Minimum Cost. \$33 per yard Maximum Cost. Using average cost of compost. \$29 per yard</p> <p>88 yards in 1 city block</p>	\$ 2, 552.00	0%	10%	0%	\$ 2, 326.80
<p>Cost of renting a space for community gardening workshops and average cost of a paid workshop.</p> <p>227 participants x \$30</p>	\$ 6, 810.00	0%	5%	0%	\$ 6469.50
<p>Food safety courses \$65 per person x 45 participants</p>	\$ 2, 925.00	5%	0%	0%	\$ 2, 778.75
<p>Cost of annual maintenance of medium size open area park, does not include any building structures.</p>	\$ 3, 500.00	0%	0%	10%	\$ 3, 150.00
<p>Collaborations and systems policy meetings. Minimal cost for a networking event/conference @\$10/hr</p>	\$ 250.00	5%	5%	0%	\$ 200.00

75 lbs of honey produced for food hampers. \$9.15 per kg	\$ 311.93	0%	0%	0%	\$ 311.93
Total	\$ 173, 332.99				\$ 156, 770.77

Drop off

The rate of drop off is what the percentage of the outcome is lost in future years. We have calculated a SROI of the Garden Patch was the harvest year for 2018 only. Therefore, was not added to the calculation.

Calculation of impact

$$\frac{\$ 156, 770.77}{\$ 96, 473.01} = 1.62 = 1$$

The social impact value shows that it is estimated for every \$1 invested into the Garden Patch there is a \$1.62 of social value created.

Discussions and Recommendations

The Garden Patch has a great social impact on the community through educating volunteers, providing gardening courses, job opportunities as well as growing high-quality produce for the food hampers. Through this program, clients at the Saskatoon Food Bank can have access to fresh nutrient dense produce that can eventually affect their health in the long term. This unique program has enhanced collaborations, shares and demonstrates knowledge at various levels in the community and representatives have been involved in decision making at the policy level.

A recommendation in future years is continued data collection and evaluations to measure social impact and compare values in the future. Further recommendations are to increase educational aspects of the program such as the Gardening 101 Course and to continue to work on engaging and involving clients from the Food Bank to be involved with the Garden Patch.

A strength of the Garden Patch in this SROI process is that the program has very rich and detailed data so that a social return could be calculated to determine their social impact. Through the monetary lens of the SROI, the Garden Patch proves its value and with this evaluative insight and knowledge the program is likely to increase their impact in the future years.

References

- Biernbaum, J. (2015). Compost for mid-sized farms. Retrieved from http://www.msuorganicfarm.org/https://www.canr.msu.edu/uploads/236/79117/Compost_for_Midsize_FarmsQuickCourse8pgs.pdf
- Convert Units. (2019). Convert yard to city blocks. Retrieved from <https://www.convertunits.com/from/yards/to/city+blocks>
- Government of Canada. (2019). Saskatchewan and pollution pricing. Retrieved from <https://www.canada.ca/en/environment-climate-change/services/climate-change/pricing-pollution-how-it-will-work/saskatchewan.html>
- Government of Ontario. (2019). Estimated number of beekeepers, colonies of bees, production and value of honey, Ontario. Ministry of Agriculture, Food and Rural Affairs. Retrieved from <http://www.omafra.gov.on.ca/english/stats/hort/honey.htm>
- ImproveNet. (2019). Compost cost guide. Retrieved from <https://www.improvenet.com/r/costs-and-prices/composting>
- NC State University. (2015). Cost analysis for improving park facilities to promote park-based physical activity. Retrieved from <https://content.ces.ncsu.edu/cost-analysis-for-improving-park-facilities-to-promote-park-based-physical-activity>
- U-haul. (2019). Your moving and storage resource. Retrieved from <https://www.uhaul.com/Reservations/RatesTrucks/>
- University of Saskatchewan. (2019). Master Gardening Certification – Program Registration. <https://ccderegister.usask.ca/Course/Master-Gardener-Certification-Program-Registration/AGHTC900/>
- Saskatchewan Health Authority. (2018). Safe Food Handlers Courses. Retrieved from <http://www.rqhealth.ca/department/environmental-health/safe-food-handlers-courses>
- Werner, A. (2018). Urban agriculture program strategic planning document 2018. Saskatoon Food Bank and Learning Centre.
- Wikipedia. (2019). City block. Retrieved from https://en.wikipedia.org/wiki/City_block

Appendix A: Logic Model of the Garden Patch

Activities of the Garden Patch

These objectives are divided into engagement, education, demonstration, food access, and food policy. Each of these objectives has a set of key objectives and activities. Each activity serves multiple purposes at the Garden Patch.

Primary Goal	To grow fresh and nutritious food for distribution to the community using sustainable food production techniques that utilize community engagement and asset building opportunities and nurture a network of Saskatonians capable of achieving food security by growing their own food.				
Main Objectives	<p>Engagement</p> <ul style="list-style-type: none"> • Volunteer opportunities • Adopt-a-plot program • Events • Space for programming • Open hours /drop in hours • Relationship building with: <ul style="list-style-type: none"> -community organizations -businesses -community members 	<p>Education</p> <ul style="list-style-type: none"> • Workshop Series • School Field Trips • Work placement programs • Gardening 101 Certificate program • Experiential learning • Volunteer activities • Guided tours • Distribution of educational resources • Presentations to: <ul style="list-style-type: none"> -Community organizations -Academics -Schools -Businesses 	<p>Demonstration</p> <ul style="list-style-type: none"> • Create demonstrations of food production methods and ecological techniques • Display signage around the Garden Patch 	<p>Food Access</p> <ul style="list-style-type: none"> • 10-15,000 lbs. of produce annually • Distribute seeds to community members • Distribute Flowers to community members • Opportunities to teach community members to grow and cook their own food 	<p>Food Policy</p> <ul style="list-style-type: none"> • Involvement in food security meetings • Involvement in urban agriculture policy meetings
	Resources	<ul style="list-style-type: none"> • Engagement Coordinator Position • Staff and volunteer time 	<ul style="list-style-type: none"> • Education Coordinator Position • Staff and volunteer time • Staff time dedicated to promotion and intake • Materials for programming 	<ul style="list-style-type: none"> • Staff and Volunteer time for maintenance 	<ul style="list-style-type: none"> • Agriculture Coordinator Position • Budget for water, site maintenance, seeds, and equipment • Staff and volunteer time for maintenance • Warehouse staff time

Table 4: The objectives and resources of the Urban Agriculture Program

Program Objectives	Activities	Outputs	Short term outcomes	Medium term outcomes	Long term impacts
<p>Engagement. Creation of a safe and inclusive community space that promotes engagement, social inclusion, increased connection to the community, leadership development and relationship building</p>	<ul style="list-style-type: none"> • Informal opportunities for team-building and fun • Adopt-A-Plot Program • Workshop series • Open drop-in hours and drop-in volunteer days • Create opportunities for U of S students and faculty to engage in service-learning and applied research projects related to urban agriculture and sustainability that support community identified priorities • Establishing project and community partnerships • Weekly drop-in volunteer night held 	<ul style="list-style-type: none"> • Qualitative data gathered from workshop participants, certificate participants, work placement participants • Garden participants report feeling more connected to their team or community • # of garden visitors • # of community partner visits • # of volunteer participants and visitors to the Garden Patch • # of invested hours at the Garden Patch 	<ul style="list-style-type: none"> • Garden participants report feeling more connected to their team or community • Building relationships for the SFBLC with local businesses and community based organizations 	<ul style="list-style-type: none"> • Foster a stronger sense of community through the creation of green, communal spaces (3rd spaces) • Create a space for people with diverse world views and experiences to engage in conversation • Improve community members physical and psychological health through gardening 	<ul style="list-style-type: none"> • Improved social and mental health among garden participants • Enhance collaborations and build synergies among stakeholders involved in food systems work • Improved community cohesion and understanding of difference
<p>Education. Provide structure opportunities for the development of skills and behaviors around food, food production, environment, and sustainability</p>	<ul style="list-style-type: none"> • Volunteer opportunities and activities for school groups, community groups and individuals resulting in hands-on learning experiences • Workshop series • Demonstration of various food production and sustainable yard maintenance techniques through signage and Healthy Yards Partnership • Guided and self-guided tours of the 	<ul style="list-style-type: none"> • # of workshop participants • Feedback survey to volunteers /visitors and workshop attendees • Garden participants report increased skills, knowledge • Garden participants report increased physical activity and enjoyment of the outdoors 	<ul style="list-style-type: none"> • Garden participants report increased skills, knowledge • Garden participants report increased physical activity and enjoyment of the outdoors • Build community members' capacity to grow and cook healthy, affordable food. • Build community members' confidence in their ability to implement what they have learned by 	<ul style="list-style-type: none"> • Enhance collaborations and build synergies among stakeholders involved in food systems work • Improve community members physical and psychological health through gardening • Improve community member's food security by providing the resources for 	<ul style="list-style-type: none"> • Strengthen individual and communal capacity and resiliency around issues of food security related to climate change and personal and communal wellness

	<p>Garden Patch by visitors</p> <ul style="list-style-type: none"> • Gardening 101 Certificate program 		<p>providing resources and support</p> <ul style="list-style-type: none"> • Create a welcoming teaching space with a low barrier to access 	<p>people to become capable of growing their own food</p>	
<p>Demonstration. Unstructured learning opportunities through showcasing and modeling of food production and ecological practices</p>	<ul style="list-style-type: none"> • Healthy Yards YXE program • Saskatoon Seed Library • Self-guided garden tours • Provide space for program partners to pilot and research sustainable methods and techniques 	<ul style="list-style-type: none"> • # garden visitors • Individual partner project evaluations • Individual evaluation for demonstration elements 	<ul style="list-style-type: none"> • Create exposure to sustainable at-home and gardening techniques 	<ul style="list-style-type: none"> • Build community knowledge regarding sustainable gardening techniques and ecological principles 	<ul style="list-style-type: none"> • Help to normalize the practice of urban agriculture and sustainable techniques and create visibility for community gardens
<p>Food Access. Increased access to healthy food for clients of the Emergency Food Basket Program at the SFBLC and community partners</p>	<ul style="list-style-type: none"> • Produce harvested for distribution through SFBLC, partner CBOs and Volunteers • Adopt-a-plot program • Workshop series • Distribution of educational resources • Seed saving partnership 	<ul style="list-style-type: none"> • Lbs. of produce harvested at Garden Patch • Monetary value of produce grown at the Garden Patch 	<ul style="list-style-type: none"> • Immediate access to fresh, nutrient-dense food included in emergency food hampers. 	<ul style="list-style-type: none"> • Improved Sense of self-sufficiency and food literacy by garden participants • Gain experience and comfort cooking with otherwise unfamiliar foods • Improved nutritional intake and diversity of food consumed by clients of the emergency food hamper program 	<ul style="list-style-type: none"> • Decreased risk of chronic disease
<p>Food Policy. Contribute to initiatives that work collaboratively to improve food security and a resilient food system in Saskatoon</p>	<ul style="list-style-type: none"> • Food Policy Council (FPC) Work • Food Security Action Team • Collaborations with CHEP • FPC and Urban Planners meetings 	<ul style="list-style-type: none"> • Ability to enact policy or legislative changes beneficial to food security and urban agriculture • Adoption of new programs by citizens 	<ul style="list-style-type: none"> • Allowed to grow and sell food on vacant private and city land • Other policy changes 	<ul style="list-style-type: none"> • New economic opportunities in a sector with low start-up costs • Increased was to access food 	<ul style="list-style-type: none"> • Additional income and/or food access reduces overall food insecurity in Saskatoon

Appendix B: Record Reviews

1. Harvest Data – the vegetables are weighed after harvest and an excel sheet was created calculating the amount of vegetables per pound were grown at the Garden Patch. The evaluator compared the cost of vegetables per pound using farmers' market values and grocery store values. The grocery stores chosen were No Frills and Superstore since these are locations that low-income populations would generally shop at.

2. Volunteer Log – A list of volunteers and the hours they spent at the Garden Patch was collected in a spreadsheet during the growing season. Altogether, there was 3870 hours of volunteering and 2296 volunteer visits at the Garden Patch in 2018.

3. Organizational Budget – A list of employees, wages, cost of the programs and inputs were listed. Donations and funding were documented and overall budget for the program was provided.

4. Workshop Log – A list of workshops and the number of attendees were recorded. Facilitators, educational topics for each workshop was also listed in the workshop log.

Appendix C: Key Informant Interviews

Evaluation Questions

Social Return on Investment on the Garden Patch

Prepared by Anh Pham RN MPH

November 1, 2018

Consent Form: Interviews

Thank you for participating in the evaluation of the Garden Patch. The objective of this social return on investment (SROI) evaluation is to obtain a full cost accounting of this program to recognize the value, or to identify areas where efficiencies can be made. This will assist the Saskatoon Food Bank and Learning Centre in streamlining the Garden Patch program and providing data for fundraising purposes.

Please feel free to ask any questions you have about the evaluation.

Procedure: If you agree to participate, you will be asked about your experience as a Garden Patch volunteer or worker. A short, open ended interview will be used which will last approximately 45-60 minutes and notes will be taken for analysis during the session.

Data Handling and Confidentiality: All those who participate in this project must feel comfortable in sharing their opinions. You are free to not answer any question that may be uncomfortable for you. Identifiable information will not be provided in the final evaluation report and information will be shared with confidentiality to stakeholders. Notes will be taken during the interview for later analysis and will be used to create a written summary of the interviews. Notes will be securely stored by the evaluators and deleted no later than six months after the completion of the project.

Results and Dissemination: Findings from this process will be combined across participants and presented as general themes. The evaluation report will be available upon request.

Contact Details: If you have any questions or concerns about this project, please contact Anh Pham (306-717-9424; anh.tuyet.pham@outlook.com).

I give permission to share my quotes from this interview: YES NO

By signing below, I indicate that I have read this form and agree to participate in this evaluation project. I have been provided with an opportunity to ask questions and my questions have been answered with satisfaction. I understand that I may withdraw my consent to participate within a period of three weeks. After this time, the data will be anonymous and there will be no way of identifying the personal data.

Name

Signature

Interview Questions

Background / Context: The SFBLC Garden Patch began as the Potato Patch in 2010. It is a grassroots movement, volunteer operated, initiative to convert a weedy and vacant city block in the City Park Neighbourhood into a productive space for growing food for the Saskatoon Food Bank and Learning Centre (SFBLC). In the last seven years, the Garden Patch has produced over 127,000 lbs. of vegetables for distribution through emergency food baskets at the SFBLC (Garden Patch, 2018). We will be evaluating the social return on investment for the growing season of 2018.

Garden Patch Primary Goal: To grow fresh and nutritious food for distribution to the community using sustainable food production techniques that utilize community engagement and asset building opportunities and nurture a network of local Saskatoon residents capable of achieving food security by growing their own food. (Garden Patch, 2018)

Garden Patch Main Objectives:

- Engagement
- Education
- Demonstration (Unstructured Learning)
- Food Access
- Food Policy

Based on the 2018 Garden Patch Strategic Planning Document, these questions were formed to evaluate some of the main objectives of the Garden Patch.

Any information you provide will be kept confidential, if you are interested in providing specific feedback to access resources for your program, please specify which comments you would like to bring forward to key personnel from the training program.

Participant's Name: _____

Participant's Role at the Garden Patch: _____

Duration of volunteering / working: _____

Questions for Garden Patch Volunteers / Workers

1. Why did you specifically chose to volunteer at the Garden Patch?
2. What are some things you liked about the Garden Patch?
3. Does volunteering/working for the Garden Patch have an impact or effect on you and if so, can you share that?
4. Have you attended the workshops? If so, what knowledge have you found useful?
5. What food production techniques have you learned at the Garden Patch?
6. What are some things you would like to see improve at the Garden Patch?
7. What kind of impact do you think the Garden Patch has in the community?
8. What would you like to see for the future of the Garden Patch?
9. After volunteering/working at the Garden Patch were you able to begin or improve on growing your own vegetables?
10. Do you think volunteering/working at the Garden Patch increases the likelihood of buying locally grown vegetables?
11. Have you been involved in any policy or program changes related to sustainability and food security because of your engagement with the Garden Patch?

Questions for volunteers

Valuing Outcomes:

1. How much do you think it is worth for a summer gardening course?
2. How much do you think it is worth for a one-day gardening workshop?

Appendix D: Food Bank Client Surveys

Food Bank Client Survey Questions

Background / Context: The SFBLC Garden Patch began as the Potato Patch in 2010. It is a grassroots movement, volunteer operated, initiative to convert a weedy and vacant city block in the City Park Neighbourhood into a productive space for growing food for the Saskatoon Food Bank and Learning Centre (SFBLC). In the last seven years, the Garden Patch has produced over 127,000 lbs. of vegetables for distribution through emergency food baskets at the SFBLC (Garden Patch, 2018). We will be evaluating the social return on investment for the growing season of 2018.

Garden Patch Primary Goal: To grow fresh and nutritious food for distribution to the community using sustainable food production techniques that utilize community engagement and asset building opportunities and nurture a network of local Saskatoon residents capable of achieving food security by growing their own food. (Garden Patch, 2018)

Garden Patch Main Objectives:

- Engagement
- Education
- Demonstration (Unstructured Learning)
- Food Access
- Food Policy

Based on the 2018 Garden Patch Strategic Planning Document, these questions were formed to evaluate some of the main objectives of the Garden Patch.

Any information you provide will be kept confidential, if you are interested in providing specific feedback to access resources for your program, please specify which comments you would like to bring forward to key personnel from the training program.

Participant's Name: _____

Food Bank Client Survey Questions

1. Do you access emergency food baskets at the Food Bank?
2. Which of the following statements are true about your experience with produce?
 - The produce in my hamper is often rotten
 - I use all the produce in my hamper
 - Me or my family don't like a lot of the produce in my hamper
 - There is not enough produce in my hamper
 - There is usually enough produce in my hamper
 - I don't know how to cook some of the vegetables I get
 - I have trouble eating the produce for medical reasons (teeth, etc.)
 - I don't have anywhere to cook the vegetables I get in my hamper
 - Other/comments (please specify
3. What are some things you would like to change about the Food Bank?
4. Have you heard of the Garden Patch?
5. Have you ever got Garden Patch produce in your emergency food hamper?
6. Have you ever been to the Garden Patch?
7. Would you be interested in going to the Garden Patch?
8. If so, what brought you there?
 - I volunteered
 - I came to a workshop/tour
 - I was curious about what it was
 - I participated in the Gardening 101 Certificate Program
 - I went with a school group
 - We participated in the Adopt-A-Plot program
 - I went with a corporate group
 - Other/comments
9. Please rate your experience at the Garden Patch
 - terrible
 - alright
 - good
 - great
 - amazing
10. Do you face difficulties getting to the Garden Patch?

11. Can you think of something that would make it easier to go to the Garden Patch?

- Knowing what buses go there
- a ride from the Food Bank
- Posters in the client services
- More posts on social media (facebook and twitter)
- Child care at the Garden Patch
- Lunch for the volunteers
- Flush toilets
- More/better tools and gloves
- I don't know
- I am not interested
- Other (please specify)

12. Do you have a garden?

13. If so, where?

- At home
- At a community garden
- At a friend or family member's place or community garden
- Garden Patch
- Other (please specify)

14. Is there anything that makes it hard for you to garden?

- No space
- No tools/need better tools
- Cost of seeds or transplants
- No time
- Lack of skills or knowledge
- Cost of water or no access to water
- My health
- I am not interested in gardening
- Other/comments (please specify)

15. Would you be interested in any of these activities and programs at the Garden Patch?

Appendix E: Harvest Data 2018

Crop	Weight (lbs)	Farmers Market Unit Price (per lb)	Farmers' Market Value	Supermarket Unit Price (per lb)	Supermarket Value
Beets	2131.4	\$ 3.03	\$ 6,458.14	\$ 1.47	\$ 3,133.16
Carrots	4376.8	\$ 2.51	\$ 10,985.77	\$ 1.23	\$ 5,383.46
Tomato	2721.7	\$ 4.00	\$ 10,886.80	\$ 2.77	\$ 7,539.11
Spagetti Squash	4822.5	\$ 1.50	\$ 7,233.75	\$ 1.47	\$ 7,089.08
Corn	101	\$ 0.71	\$ 60.60	\$ 3.00	\$ 303.00
Pumpkin	411	\$ 1.00	\$ 411.00	\$ 1.50	\$ 616.50
Buttercup Squash	911.4	\$ 1.25	\$ 1,139.25	\$ 1.27	\$ 1,157.48
Swiss Chard	141.2	\$ 5.19	\$ 732.83	\$ 2.97	\$ 419.37
Zucchini	2812.1	\$ 2.07	\$ 5,821.05	\$ 2.47	\$ 6,945.89
Beans	1010.6	\$ 4.67	\$ 4,719.50	\$ 3.46	\$ 3,496.68
Acorn Squash	58.2	\$ 1.25	\$ 72.75	\$ 1.47	\$ 85.55
Patty Pan Squash	205.6	\$ 3.00	\$ 616.80	\$ 3.00	\$ 616.80
Kale	15.8	\$ 6.91	\$ 109.18	\$ 13.17	\$ 208.09
Parsley	3.4	\$ 16.00	\$ 54.40	\$ 11.76	\$ 39.98
Lettuce	112.2	\$ 2.50	\$ 280.50	\$ 7.88	\$ 884.14
Hot Peppers	16.7	\$ 6.00	\$ 100.20	\$ 19.66	\$ 328.32
Sweet Peppers	50.3	\$ 4.00	\$ 201.20	\$ 3.97	\$ 199.69
Peas	8.2	\$ 3.64	\$ 29.85	\$ 5.62	\$ 46.08
Radishes	651.8	\$ 2.17	\$ 1,414.41	\$ 2.02	\$ 1,316.64
Spinach	4.6	\$ 5.70	\$ 2,622.00	\$ 13.17	\$ 60.58
Eggplant	21.5	\$ 3.25	\$ 69.88	\$ 2.47	\$ 53.11
Rhubarb	12.2	\$ 2.63	\$ 32.09	\$ 2.63	\$ 32.09
Cantaloupe	103	\$ 2.50	\$ 257.50	\$ 1.00	\$ 103.00
Potatoes	18.6	\$ 1.69	\$ 31.43	\$ 1.47	\$ 27.34
Raspberries	3.4	\$ 9.00	\$ 30.60	\$ 14.00	\$ 47.60
Oregano	1	\$ 16.00	\$ 16.00	\$ 22.38	\$ 22.38
Terragon	0.1	\$ 16.00	\$ 1.60	\$ 16.00	\$ 1.60
Butternut Squash	268.8	\$ 2.27	\$ 610.18	\$ 1.47	\$ 395.14
Cabbage	208.3	\$ 1.00	\$ 208.30	\$ 0.97	\$ 202.05
Cucumber	139.5	\$ 2.00	\$ 279.00	\$ 1.00	\$ 139.50
Weeds	67.6	N/A	N/A	N/A	N/A
Watermelon	66.2	\$ 2.00	\$ 132.40	\$ 0.99	\$ 65.54
Turnips	57.4	\$ 3.00	\$ 172.20	\$ 1.47	\$ 84.38
Honey	57	\$ 9.97	\$ 568.29	\$ 4.09	\$ 233.13
kohlrabi	43	\$ 4.00	\$ 172.00	\$ 4.00	\$ 172.00
Broccoli	16	\$ 4.00	\$ 64.00	\$ 2.97	\$ 47.52
Basil	12.5	\$ 9.60	\$ 120.00	\$ 18.07	\$ 225.88
Mixed greens	11.6	\$ 4.90	\$ 56.84	\$ 4.90	\$ 56.84
Parsnips	10.6	\$ 4.75	\$ 50.35	\$ 1.99	\$ 21.10
Stevia	9.4	N/A	N/A	N/A	N/A
Black Currant	5.4	\$ 28.50	\$ 153.90	\$ 9.99	\$ 53.95
Celery	4.6	\$ 0.99	\$ 4.55	\$ 1.48	\$ 6.81
Cucamelon	4.4	\$ 6.00	\$ 26.40	\$ 6.00	\$ 26.40
Lavender	2.3	\$ 10.00	\$ 23.00	\$ 10.00	\$ 23.00
Shiso	1.8	\$ 9.60	\$ 17.28	\$ 9.60	\$ 17.28
Misc Herbs	1.6	\$ 9.60	\$ 15.36	\$ 9.60	\$ 15.36
Tomatillo	1.6	\$ 4.00	\$ 64.00	\$ 4.00	\$ 64.00
Mint	1.4	\$ 14.00	\$ 19.60	\$ 28.15	\$ 39.41
Strawberries	1.2	\$ 4.75	\$ 5.70	\$ 2.95	\$ 3.54
Thyme	1	\$ 56.29	\$ 56.29	\$ 28.15	\$ 28.15
Lovage	0.9	N/A	N/A	N/A	N/A
Total	21720.4		\$ 57,208.72		\$ 42,077.70