

an initiative of the
MacRae Library.
Dalhousie Agricultural
Campus

Seed Lending at Dalhousie's MacRae Library

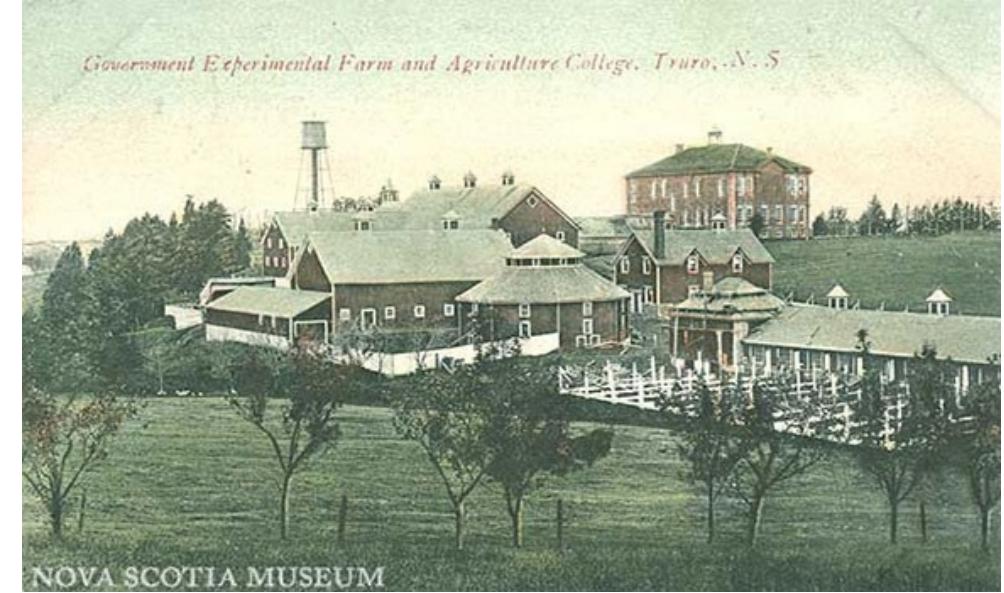
Presented by Jolene Reid & Margaret Vail

Where is the MacRae Library?

Located just outside the Town of Truro, in the village of Bible Hill, Nova Scotia on the Dalhousie Faculty of Agriculture campus. We're one hour from Halifax by car and only 40 minutes from the Halifax International Airport.

The Nova Scotia College of Agriculture was created by combining the provincial farm, the School of Agriculture, and the School of Horticulture in 1905. It is Canada's **third-oldest** centre for agricultural academics and research.

On May 20, 2011, the Province of Nova Scotia and Dalhousie University launched a process to merge Nova Scotia Agricultural College (NSAC) with Dalhousie University. The merger itself was effective September 1, 2012.



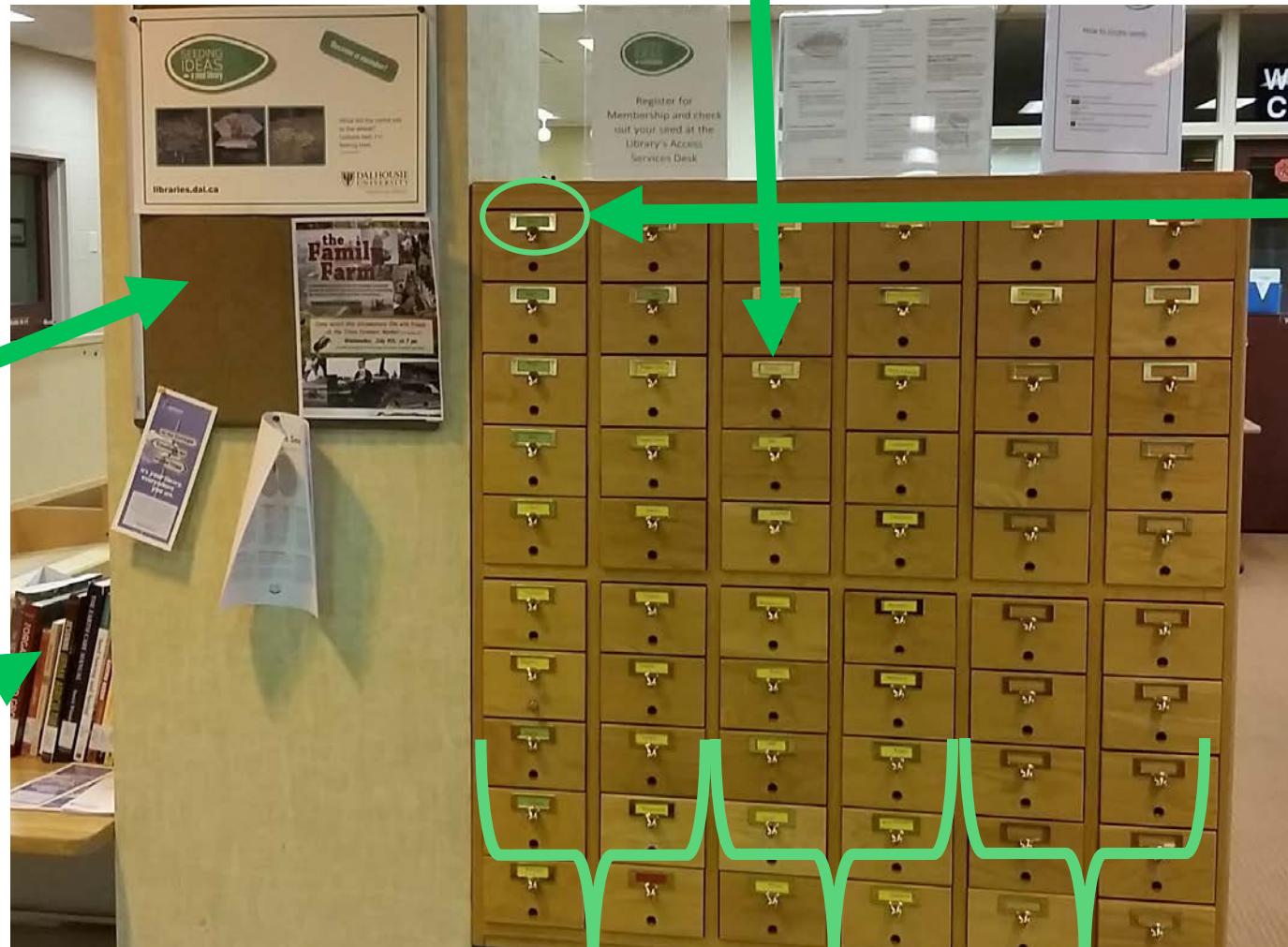
The library was renamed the MacRae Library in 1990 in honour of Dr. Herbert F. MacRae, Principal of NSAC from 1972 to 1989.

The seed collection is housed in an oak card catalogue in our main library foyer.

Bulletin board for posting notices of our workshops and community events we are involved in surrounding seeds

A rotating selection of our amazing monograph resources and free infosheets

Seeds are filed alphabetically . Each drawer is labeled with the common name of **1** plant species.



Colour coded drawer labels:

Green: easy to seed save

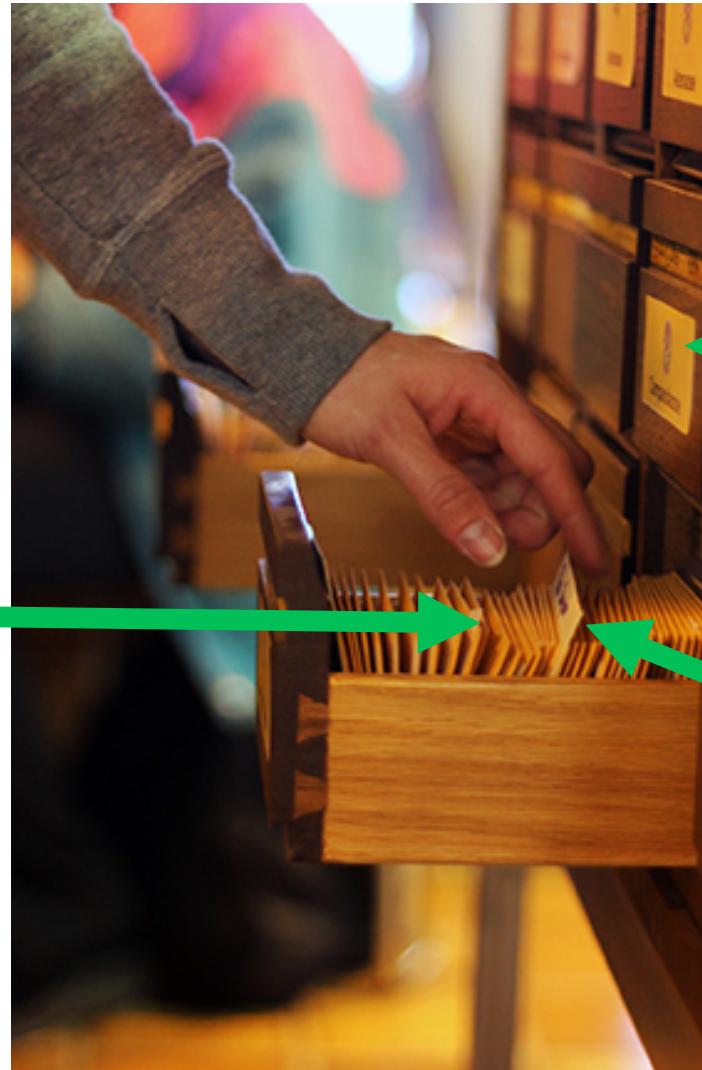
Yellow: Intermediate
Red: Difficult

Edible
s

Herbs

Ornament
als

Within each drawer multiple varieties of a species may be available. Varieties are in alphabetical order and separated by dividers.



Notice the former labeling of drawers? This has changed. This photo is from our first year when we enthusiastically hoped we could teach users plant families. This knowledge is key to seed saving theory but is **NOT** user friendly.

Dividers are made from old cards from the card catalogue. Variety names have been handwritten on the blank side of the card. Users think our re-purposing is quaint and fabulous. Every item we don't have to purchase helps us sustain the program.

When you borrow seed from our seed library you get a piece of original artwork- this is an amazing opportunity for simple outreach activities.



Our campus print shop will print our logo on regularly sized mailing labels. We can cut them into strips and trim off the tiny bit of excess label with a paper cutter. Budget and time friendly customized seed packs!

See the white re-sealable envelopes? The seal really doesn't work for long and the white colour has both a financial and ecological impact.

Now we purchase recycled #3 size coin envelopes in bulk from Staples.

In house we print a second mailing label with plant species, variety and packet number that is applied to seed pack (carefully so as to not hide the art!).

Did I mention the unique artwork on the seed packs?



What is a seed lending library?

A seed library is circulating collection made up of non-hybrid, non-genetically modified plant seeds.

This seed lending model has been successfully implemented in over 400 libraries across North America -giving communities access to diverse plant varieties which are well adapted to the micro-climate in which they are being loaned.



MacRae Library © [Jennifer MacIsaac](#)



The Movement



Agricultural Revolution

12 000 years ago the Agricultural Revolution began with a broad transition from humans as hunters and gatherers to farming and settlement. Seed saving was a necessity.



First Seed Library

Bay Area Seed Interchange Library (BASIL) was the first seed library to open in 2000.



Loss of Agrodiversity

In 1999 the UN Food and Agriculture Organization (FAO) revealed that since the 1900s, 75% of agricultural crops have been lost.



First Seed Packets for Sale

In 1790 the first commercial seed packages were sold by Shakers heralding a new era of seed convenience.



Seed Library Model

California's Richmond Grows Seed Library opened in 2010 with a strong emphasis on creating a replicable model for other libraries to follow.

Toronto Seed Library

Toronto Seed Library launched in 2012

Seeding Ideas

Seeding Ideas, Canada's first university funded seed library, launched at Dalhousie University in 2014

More than 400
Seed Libraries
have launched
around the world

What are people saying about seed lending libraries?

Library Folks

"Everyone thinks it's really cool..."

-Scott Campbell, director of the Langdon Library in Newington, NH

"The idea is spreading fungally..."

-Rebecca Newburn, founder of the Richmond Grows Seed Library

"An urban seed library is about the relationship between biological and cultural diversity, and people having a direct connection to the seeds that are growing their foods."

-Sascha DuBrul, founder of the Bay Area Seed Interchange Library

"Each new seed library represents a new, radically decentralized approach to food security. Those at the vanguard of the movement recognize the revolutionary importance in their work... More and more, the only way we will have any kind of seed sovereignty is by saving our own seeds and sharing them."

-Alan Greene, Librarian and Founder of Hudson Valley Seed Library

"Libraries are all about providing access. With our seed lending library we are providing the community with a different kind of access: access to food security, access to fresh and healthy food, access to diverse varieties. It's all about engaging the community in an innovative way through our library."

-Jolene Reid, Coordinator of Seeding Ideas

Media

"This really is green community activism at its best."

- Treehugger, June 2011

"...empowered communities take control of their genetic resources."

-Food First, Jan 2012

"...offering a collection and relevant programming as a vital resource for the community at large."

-University Affairs, May 2014

"At Nova Scotia's Dalhousie University, the MacRae Library... has assembled a new collection: one of the seeds that have shaped the region's farming history."

-Library Journal, March 2016

"I'm getting higher quality plants and higher yields because they're regionally adapted."

-Erin Enouen. NY Times, Oct. 2010

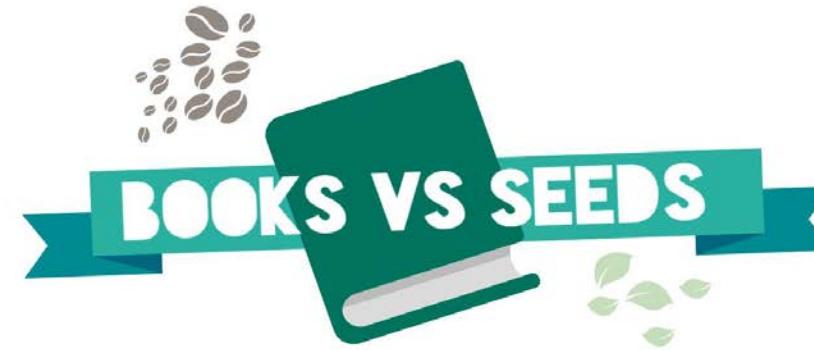
Seeding Idea's Guiding Principles

- # 1 Seeds and their stories are meant to be shared
- # 2 Access to diverse plant varieties is important to our community.
- # 3 Libraries are a natural and well established setting to provide accessible innovative services



[Seed Shopping](#) © [Green Roof Growers](#), CCO 1.0

Library as place



Books

Require protection from:

- temperature fluctuation
- humidity variance
- mold damage
- water damage
- insects & rodents

Libraries have been leaders in demonstrating the value and potential for free/shared resources and spaces. As the sharing economy advances and moves in new directions – electronic devices, transportation, tools, education, equipment – the roles that libraries play as sharers may need to change and adapt.

-American Library Association

Seeds

Require protection from:

- temperature fluctuation
- humidity variance
- mold damage
- water damage
- insects & rodents

Seed security exists when men and women within the household have sufficient access to quantities of available good quality seed and planting materials of preferred crop varieties at all times in both good and bad cropping seasons.

- United Nations Food & Agriculture Organization

"A library outranks any other one thing a community can do to benefit its people. It is a never failing spring in the desert."
— Andrew Carnegie



an initiative of the
MacRae Library,
Dalhousie Agricultural
Campus

The four questions at the core of participation

1. Why save seed?
2. What seed is best for me?
3. What biological principles are basic to seed saving?
4. What are the skills and techniques needed to grow and save seed?

Why save seed?

- Maintain a sustainable food system
- Cultural and culinary significance
- Adapt a variety to your climatic conditions and insure a source of resilient seed
- Preserve the genetics of a variety (an heirloom perhaps) and insure a reliable source.
- Contract with seed companies to produce seed as a source of income.
- Play in your garden



[Cardamom seeds](#), (c) Didier Descouens, [CCO 1.0](#)

What seed is best for me?

Open Pollinated	Hybrid	Genetically Modified
aka "OP", "Heritage" or "Heirloom"	aka "F1" or "VF"	aka "GMO" or "GE"
Grown for so many generations that their physical and genetic qualities are relatively stable. If the seed is saved you will "reap what you sow".	Seeds from these plants will not produce plants like the parent plant. They may produce something just a little different, very different, or perhaps they may produce nothing at all.	Seeds from these plants will not produce plants like the parent plant. They may produce something just a little different, very different, or perhaps they may produce nothing at all.
<u>No</u> intellectual property constraints	Intellectual property constraints	Intellectual property constraints

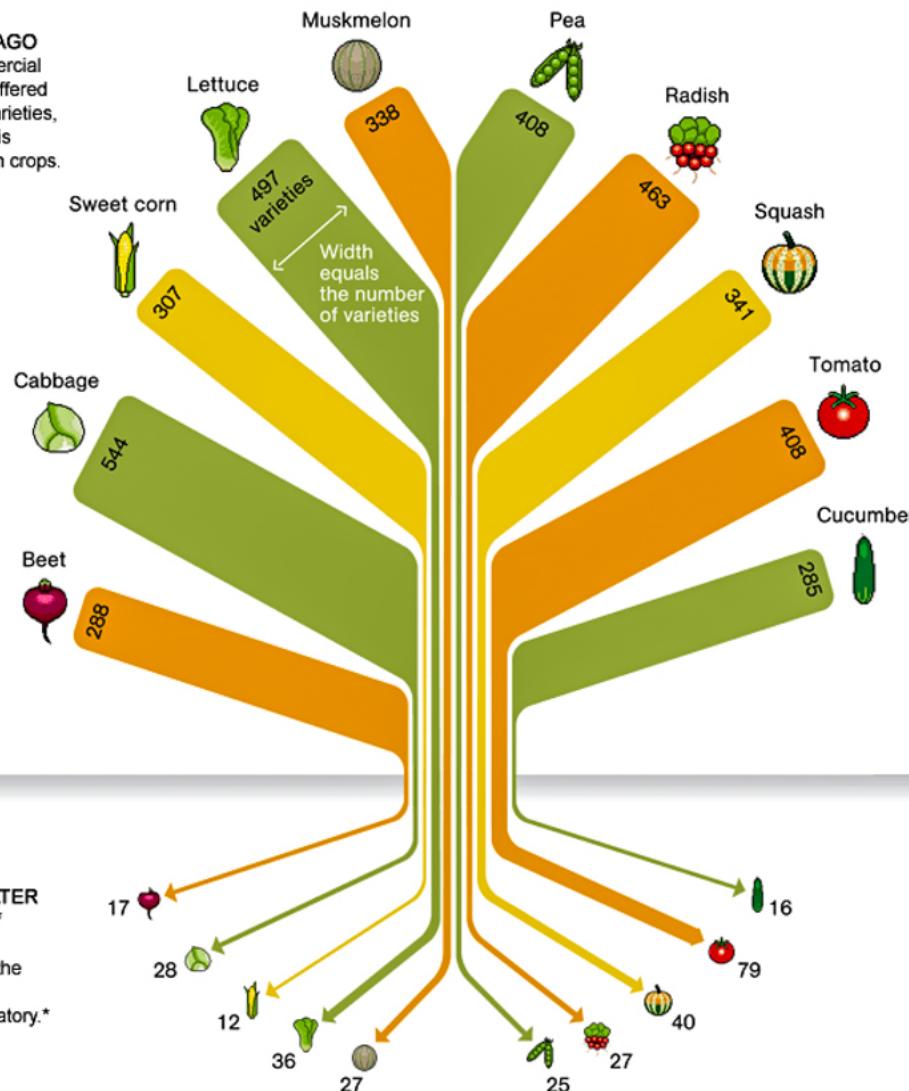


[Crazy seed](#) © OpenSeedSolution, [CC BY-NC-SA 2.0](#)

Agrodiversity

A CENTURY AGO

In 1903 commercial seed houses offered hundreds of varieties, as shown in this sampling of ten crops.



80 YEARS LATER

By 1983 few of those varieties were found in the National Seed Storage Laboratory.*

* CHANGED ITS NAME IN 2001 TO THE NATIONAL CENTER FOR GENETIC RESOURCES PRESERVATION

JOHN TOMANIO, NGM STAFF. FOOD ICONS: QUICKHONEY
SOURCE: RURAL ADVANCEMENT FOUNDATION INTERNATIONAL

TYPES OF SPINACH THAT LOOK DIFFERENT BUT TASTE THE SAME



Photo Credits to wikipedia | edible-landscape-design.com

HappyHouseandGarden.com

What biological principles are basic to seed saving?

.....AKA the Plant Sex talk

What is a seed?

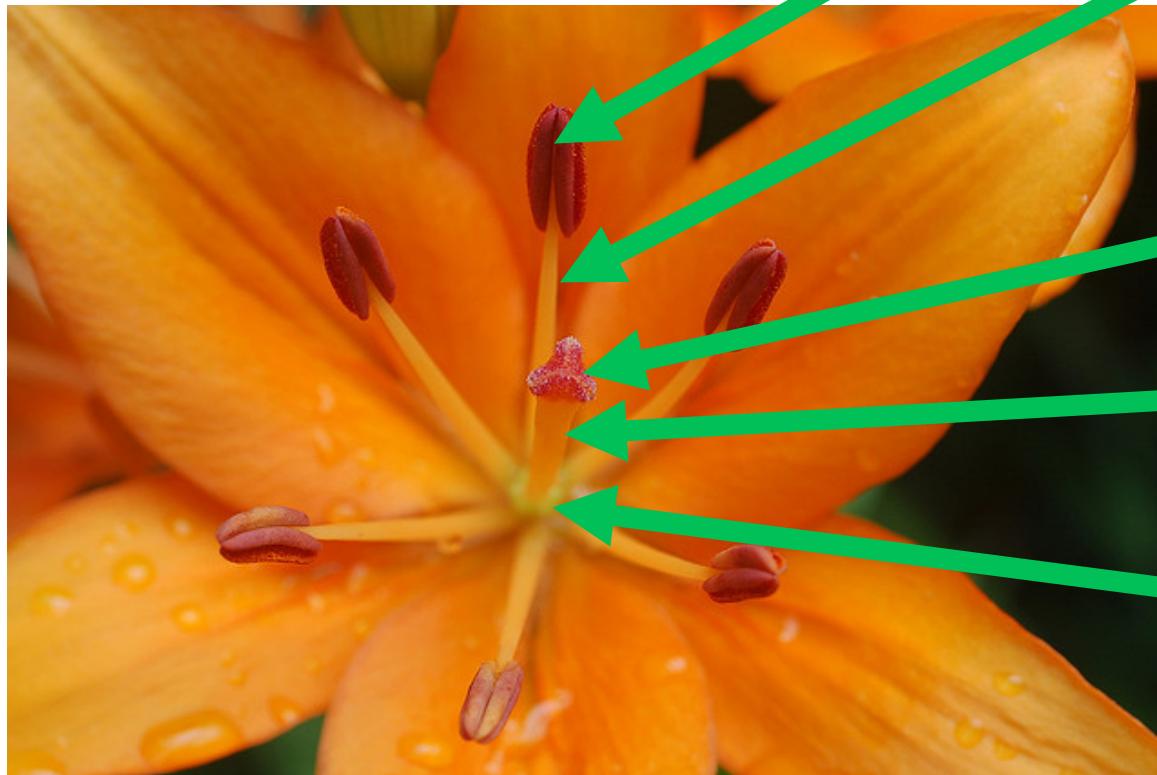


Cotyledons- stores starch to feed plant until germination then becomes “seed leaves” of sprouting plant

Seed coat- protects seed from damage, disease and desiccation

Embryo- contains the tissues for the leaves, stem & roots of seedling once seed is germinated

Where do seeds come from?



Anther- where pollen is made

Filament- supports the anther

♂
Stamen

Stigma- where pollen is collected

Style- the tube the pollen travels down to reach the ovary

♀
Pistil

Ovary- pollen travels down tube (style) to ovary where it becomes a seed. Each pollen grain fertilizes one seed.

Types of flowers

Complete Flower (Monoecious)	Incomplete Flower (Dioecious)
Each flower has both male and female parts	Each flower has either male or female parts
May be self- or cross-pollinated	Always cross-pollinated

Bean- complete flower/self-pollinating
Pea- complete flower/self-pollinating
Tomato- complete flower/self-pollinating
Pepper- complete flower/self- or cross-pollinating
Squash- incomplete flower/cross-pollinating
Corn- incomplete flower/cross-pollinating

Self-Pollinating	Cross-Pollinating
Flower shape does <u>not</u> allow insects to easily reach pollen	Flower shape allows & encourages insects to reach pollen
Always a complete flower	May be a complete or incomplete flower

What do you mean by “cross pollinating”?



CUCURBITACEAE FAMILY

CROP MEMBERS

Summer squash, Winter squash,

melons, cucumbers

FLOWER DESCRIPTION

Symmetrical, imperfect, monoecious,
ovary below female flower

LIFE CYCLE

Annual

FRUIT TYPE

Fleshy with hard rind

MATING SYSTEM

Primarily outbreeding

POLLINATORS

Squash bees, honey bees,

bumble bees

Botanical Names		
Genus	Specific Epithet	Common
Cucurbita	maximum	banana, buttercup, hubbard, turban
Cucurbita	moschata	butternut, cheese golden, cushaw
Cucurbita	pepo	acorn, crookneck, delicata, pattypan, spaghetti, zucchini



What are the skills and techniques needed to grow and save seed?

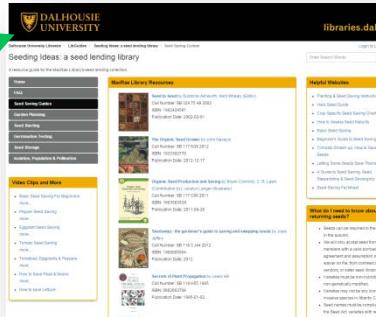
Empower your users!



Monographs



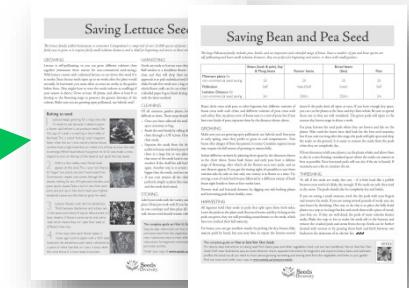
Periodicals



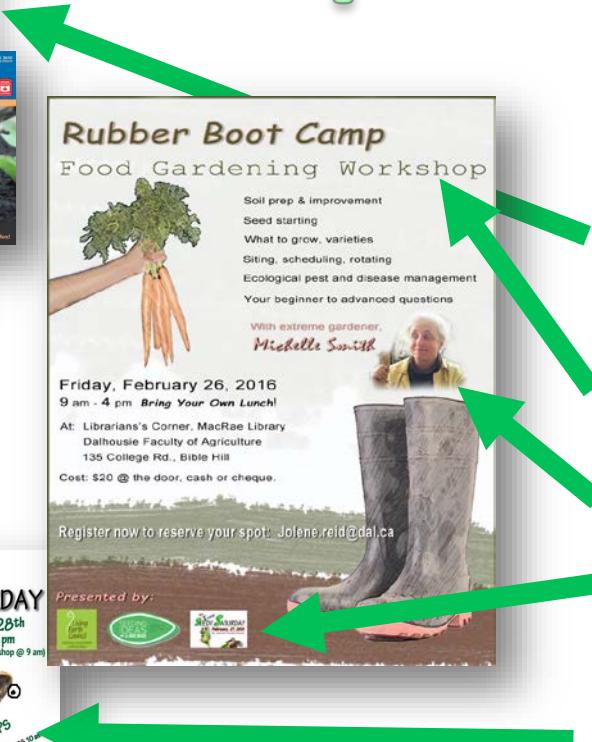
Subject Guides

Workshops

Local Experts



Partnerships with community groups



Handouts

Events



Presentations

What do people do with the seeds they borrow? Do they really



1 member
borrowed 3
packs of tomato



& returned hundreds of seeds
plus donated a new variety



We know not all of our borrowers
will return seed

- weather does not cooperate
- pests or garden predators
may wreak havoc
- sometimes the borrower's
seed saving skills require
more developing

...But a few avid seed savers can
produce and will donate a lot
more seed than they ever
borrowed.

Addressing the risks & stating expectations

ASSUMPTION OF RISK, WAIVER AND RELEASE

This document includes a release of legal rights – please read and understand prior to signing.

TO: DALHOUSIE UNIVERSITY

Member	Name Last:	First:		
Address	Street:	City:	Province:	Postal Code:
Email				

WHEREAS Dalhousie University, through the MacRae Library, Agricultural Campus, Truro, Nova Scotia ("Dalhousie") operates a community seed bank program known as <INSERT NAME> (the "Program");

AND WHEREAS I, the above named individual (the "Member"), wish to voluntarily participate in the Program and related activities.

NOW THEREFORE for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I agree as follows:

Representations of Participant: I represent and warrant to Dalhousie that:

- (a) have been provided with, reviewed and executed the Program Membership Agreement with Dalhousie (the "Agreement") which outlines my obligations as a Member, and I understand and shall abide by such obligations;
- (b) I shall provide all such information as required by the Agreement;
- (c) I shall not knowingly submit seeds or other materials containing destructive characteristics;
- (d) I shall not use the Program for commercial purposes;
- (e) I acknowledge that Dalhousie will be required to record certain information as described in Agreement and I hereby consent to the collection and use of such information for Program purposes;
- (f) I will immediately inform Dalhousie of any issue relating to the Program which has the potential to be destructive or harmful to Members;
- (g) I shall not submit seeds or other materials that infringe, in any manner, third party intellectual property rights;
- (h) I understand Dalhousie cannot and does not represent or guarantee the quality of seeds or other materials within the Program;

Assumption of Risks: I am aware that participating in the Program involves some risks, dangers, and hazards to Members (the "Risks"), and I understand the nature and extent of such Risks which may include, but are not limited to, damage or loss of property, and loss or damage to crops, flowers or other plants.

I assume such Risks and associated responsibilities knowingly and willingly and accept full responsibility for any injury, loss, damage, or expense I or third parties may sustain resulting from or arising out of my participation in the Program.

Release and Waiver: Knowing the Risks described above, I agree to waive, release, hold harmless and indemnify Dalhousie, its board of governors, officers, employees, students, agents, or representatives from and against any present or future claim, loss or liability for injury to person or property which I may suffer, or for which I may be liable to any other person, related to my participation as a Member of the Program or resulting from any cause including but not limited to negligence or breach of duty of care.

I have carefully read and understand this Assumption of Risk, Waiver and Release ("Waiver") before signing. This Waiver shall be governed by and interpreted solely in accordance with the laws of the province of Nova Scotia.

Signed at _____, in the Province of Nova Scotia this ____ day of _____, 20____.

Participant Signature

Witness Name:

Where the participant is under 19 years of age, the signature of a parent / legal guardian is also required.

Guardian's Signature
Relationship:

Witness Name:



Seeding Ideas: a seed library Membership Agreement



Faculty of Agriculture

Seeding Ideas is a free program offered by Dalhousie University's MacRae Library. This program is committed to providing access to diverse plant varieties for our community. Members are encouraged to check out, grow, and harvest seed from the collection while letting a few of the best plants go to seed. Those seeds will be collected by the member and returned to the library for the next growing season's collection. If members are unable to save their own seed, we encourage you to donate a package of fresh commercially grown, non-hybrid, non-GMO seed in order to foster a culture of sharing and biodiversity.

- Donated seed must be non-hybridized, non-genetically modified.
- Donated seed may not be any known invasive species in Atlantic Canada.
- Donated seed names must be compliant with the Seed Act.
- Donated seed must have a germination ratio of 70%.
- Donated seed must be accompanied by a harvest date.
- Sowing information will be required for each seed type donated.

Please print carefully:

Name _____

Address _____

Email Address _____

Phone Number (home) (work) (cell)

Would you be willing to: Mentor other gardeners? Volunteer time?

How much gardening experience do you have? None Some Lots

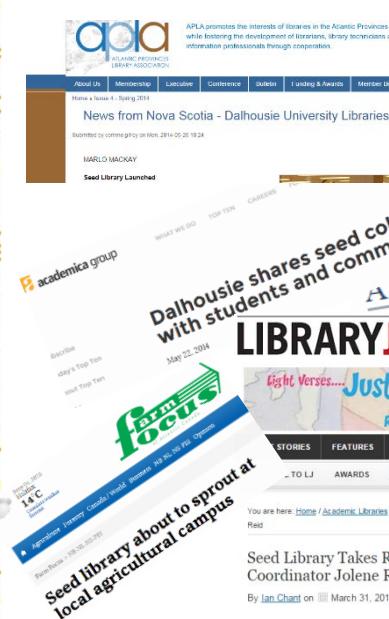
How much seed saving experience do you have? None Some Lots

As a member of the Seed Library, I promise to follow best practices for growing and saving seed to ensure that the library's collection remains sustainable. If I am unsure of best practices I will contact the library for assistance. I promise to be honest and forthright in all my dealings with seeds, members and the library. I have read and signed a copy of the Assumption of Risk document.

Signature
Date

Measuring Success

Seedling ideas. A seed library sprouts at the D.



➤ Numbers

How many members registered: 99

How many seed packets inventoried: 1210

How many seed packets circulated first year: 379

How many seed packets circulated second year: 121

8000 seeds
introduced into
our community

Seed library about to sprout at local agricultural campus

Published on March 14, 2014



Dalhousie seed-lending library is a self-sustaining collection
Initiative offers unique opportunity for local community.
DALHOUSIE AGRICULTURAL COLLEGE TO LAUNCH SEED LIBRARY

Promoting growth with Dalhousie's new seed catalog

FRANCES WILICK EDUCATION REPORTER
Published March 16, 2014 - 5:37pm
Last Updated March 17, 2014 - 9:51am

➤ Publicity

[« Back to our blog](#)

use University library launches seed collection

➤ Relationships



Inspiring sustainable communities



FARMERS'
MARKET

LIBRARIES
Nova Scotia

Seeds
of Diversity

DALHOUSIE
UNIVERSITY



Truro Marshland
Community Garden
Society
Farming/Agriculture

What's next?

- Workshop March 20th with guests Michelle Smith "How to Start a Garden" & Av Singh "Soil"
- Work on a "Toolkit" for new potential seed libraries
- Spring!!



an initiative of the
MacRae Library,
Dalhousie Agricultural
Campus

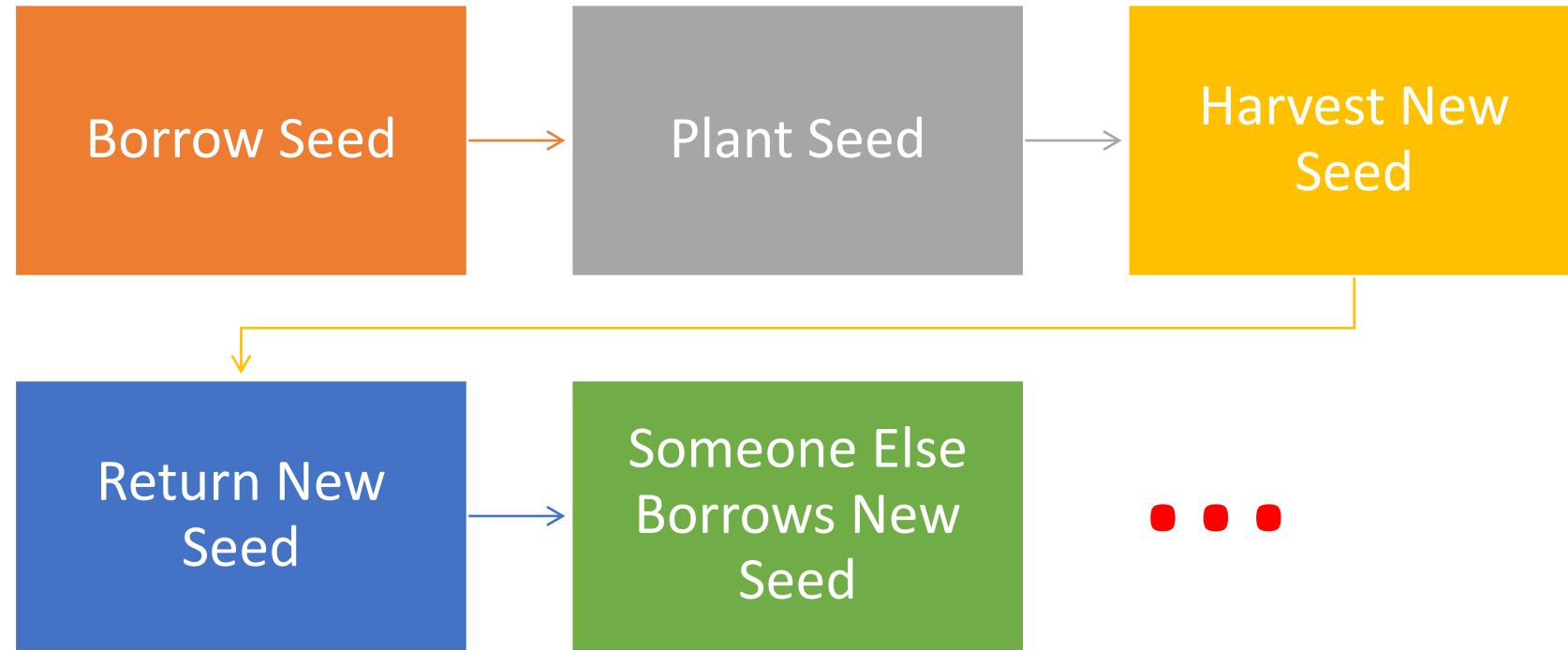


Seed Lending Software

Why not use a traditional library catalogue?

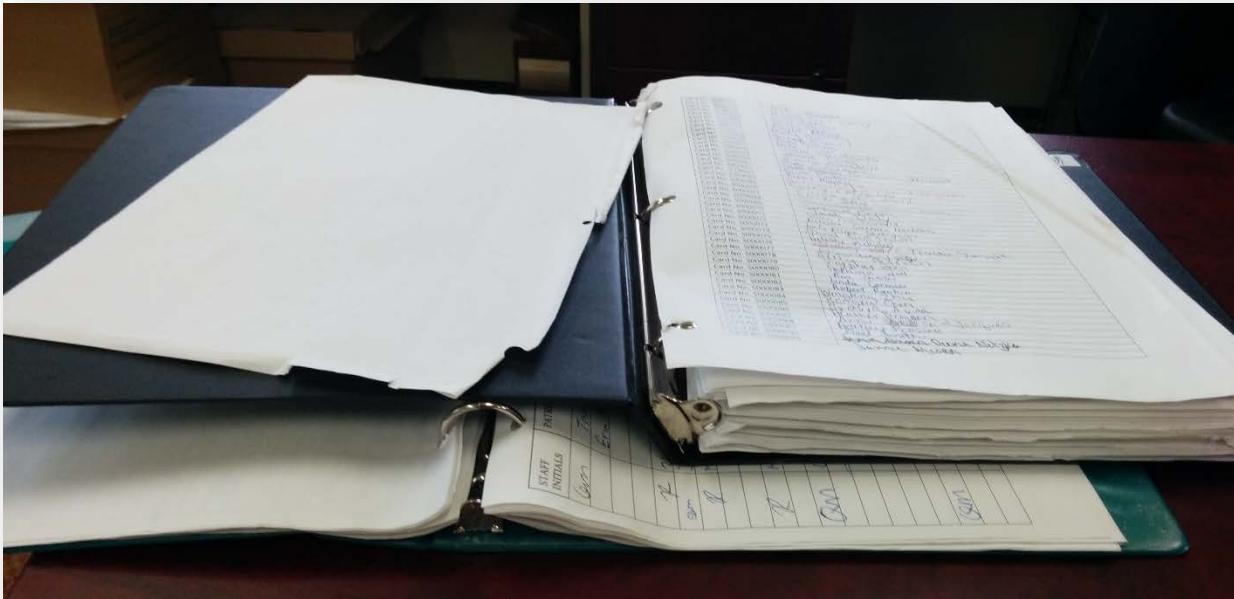


Why not use a traditional library catalogue?



Existing Methods for Tracking Seed Libraries...

- Binders
- Traditional Library Catalogues
- Microsoft Access Databases



STAFF INITIALS		PATRON NAME	PATRON BARCODE	SEED VARIETY	INVENTORY #	DATE BORROWED
WEP	IS	Gengjia Zhou	S000078	Shanghai Green Pea Bean (100g)	4/27/2015	
IS		" "	"	Dark Green Chinese Lentil (100g)	"	
IS		" "	"	Tenderette Green Bean (100g)	"	
IS		" "	"	Lima finger snap pea (100g)	"	
RAT	IS	Ron Charles	S000080	Mongolian Great Northern (100g)	4/23/2015	
IS		" "	"	Summer Pea (100g)	"	
IP	CSN	Tinglin Chen	B000062	Gold Eye Bean (100g)	5/12/2015	
		" "	"	Great winter sprout (120g)	"	
		" "	"	Shurshor Green pea (100g)	"	
		" "	"	Early Alaska pea (121)	"	
		" "	"	Moss Curled parsley (45g)	"	
		" "	"	Mammoth redtop Spring Pea	"	
		" "	"	Niyashige White Daikon Radish (1kg)	2/6/2015	
		" "	"	Lisola di Genova Eggplant (63g)	"	
		" "	"	Buttercrunch Lettuce (1g)	"	
		" "	"	Pine D'Glaces Radish (lettuce)(1g)	"	
		" "	"	Shanyang Green Pea choy (93g)	"	
		" "	"	Sweet Apple (366)	2/6/2015	
		" "	"	Tomatillo (388)	"	
		" "	"	Miyashige White Pakkan Radish (1kg)	"	

Software Requirements

- 3 User Types
 - Admin, Borrowers, and Donors
- Ability to checkout, return, and accept donations of seeds
- Display the history of an individual seed packet
- Shopping cart type ordering system
 - (Phase 2, but delivered in Phase 1)
- Administration Interface

Bonus:

- Basic Content Management System (CMS)

Future Plans

Phase 2:

- Reporting Tool
- Barcode / QR code scanning of packets

Phase 3:

- Auto-fetching of seed images
- Ability to record “Seed stories”

Dream:

Google-esque feature, “If you are interested in this seed you might also be interested in this other one”.



[Crazy seed](#) © OpenSeedSolution, [CC BY-NC-SA 2.0](#)

The Platforms used

- PHP
- MySQL
- Laravel Web Application Framework
 - Allowed for Rapid Development by not replicating core code utilized by most web applications



How the work was accomplished?

- **Luis Filipe Severgnini**

- A Computer Science Student from Brazil
- Participated in Science without Borders (SwB)



- As part of Science without Borders he:

- Studied Computer Science at Dalhousie during the Fall/Winter Terms 2013/2014
- Participated in a 4 month work placement for Dalhousie Libraries



Other Involvement

- Marc Comeau (Director of Library IT)
- Margaret Vail (Systems Developer)
- Jason Flynn (Systems Administrator)



Margaret Vail



Jason Flynn



Marc Comeau

Open Source

- The Project is available as Open Source on GitHub

<https://github.com/Dalhousie-Libraries/Seed-Library>





Demo

<http://seedlending.library.dal.ca>

Seed Lending Library

[Home page](#)[Borrow seed](#) ▾[Return seed](#) ▾[Donate seed](#) ▾

Welcome to the Seed Lending Library's website!

Access to diverse varieties of plants is important to our community. By selecting and saving seeds from plants which thrive, over generations, we have an opportunity to cultivate a collection of seeds that flourish in our community.

[Learn how to borrow seed!](#)

•

How does it work?



What are the benefit of becoming a member?

- Access a free collection of diverse seeds
- Be part of a community sustained project
- Participate in workshops and educational events intended to support you throughout the growing season
- Share the stories and the seeds of the plants you cultivate so others may discover them



an initiative of the
MacRae Library,
Dalhousie Agricultural
Campus

View seeds in catalogue

User View

Seed Lending Library

[Home page](#)[Borrow seed](#) ▾[Return seed](#) ▾[Donate seed](#) ▾

Welcome to the Seed Lending Library's website!

Access to diverse varieties of plants is important to our community. By selecting and saving seeds from plants which thrive, over generations, we have an opportunity to cultivate a collection of seeds that flourish in our community.

[Learn how to borrow seed!](#)

•

How does it work?



What are the benefit of becoming a member?

- Access a free collection of diverse seeds
- Be part of a community sustained project
- Participate in workshops and educational events intended to support you throughout the growing season
- Share the stories and the seeds of the plants you cultivate so others may discover them

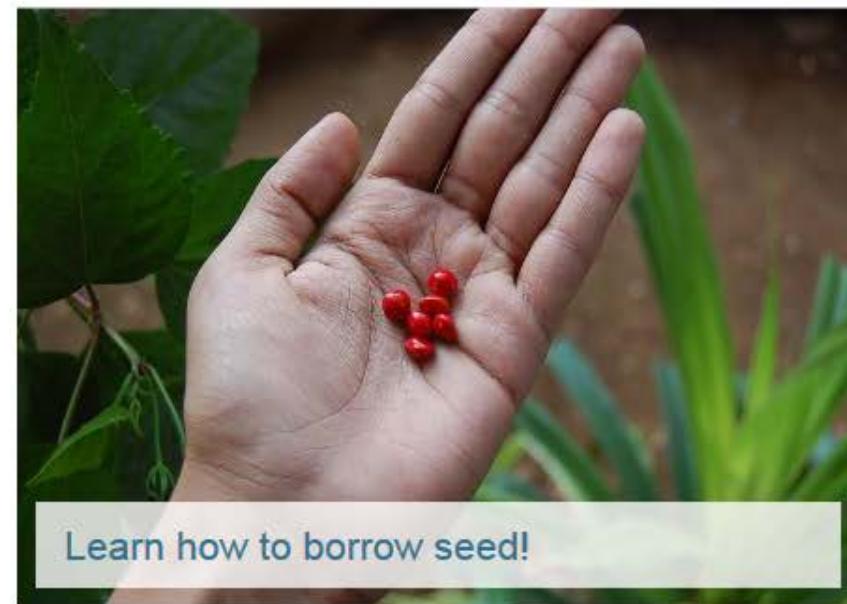
[Login](#) | [Sign up](#)

Seed Lending Library

[Home page](#)[Borrow seed](#) ▾[Return seed](#) ▾[Donate seed](#) ▾[About](#)[Search seed](#)

Welcome to the Seed Lending Library's website!

Access to diverse varieties of plants is important to our community. By selecting and saving seeds from plants which thrive, over generations, we have an opportunity to cultivate a collection of seeds that flourish in our community.



Seed Lending Library

[!\[\]\(0b9e2e386fe163003656c0c1fc02970c_img.jpg\) Home page](#) [Borrow seed](#) ▾ [Return seed](#) ▾ [Donate seed](#) ▾

About Lendings

What is a seed library?

Like traditional library services, a seed library provides access to a resource. Access to diverse varieties of plants is important to our community and by selecting and saving seeds from plants which thrive, over generations, there are opportunities to cultivate a collection of seeds which excel in our growing region.

Packets, containing enough seeds for about 10-15 plants, are checked out to members. Members grow the seeds and enjoy their harvest while letting a few plants return to seed. These new seeds are then returned to the library for the next growing season's collection.

What are the benefits of being a member?

- Access to a free collection of diverse seeds
- Being part of a community sustained project
- Participating in workshops and educational events to support you throughout the growing season
- Share the stories and the seeds of the plants you cultivate so others may discover them

When is the collection available?

Members may borrow seed during the spring season. We will accept returned seed in the autumn. The Seed Library will be available during the operating hours of the MacRae Library.

Seed Lending Library

[Home page](#)[Borrow seed](#) ▾[Return seed](#) ▾[Donate seed](#) ▾

About

Search seed

About Lendings

What is a seed library?

Like traditional library services, a seed library provides access to a resource. Access to diverse varieties of plants is important to our community and by selecting and saving seeds from plants which thrive, over generations, there are opportunities to cultivate a collection of seeds which excel in our growing region.

Packets, containing enough seeds for about 10-15 plants, are checked out to members. Members grow the seeds and enjoy their harvest while letting a few plants return to seed. These new seeds are then returned to the library for the next growing season's collection.

What are the benefits of being a member?

- Access to a free collection of diverse seeds
- Being part of a community sustained project
- Participating in workshops and educational events to support you throughout the growing season
- Share the stories and the seeds of the plants you cultivate so others may discover them

When is the collection available?

Members may borrow seed during the spring season. We will accept returned seed in the autumn. The Seed Library will be available during the operating hours of the MacRae Library.

Seed search

Find the seed you've been looking for!

[Available packets only](#) [All seeds](#)

10 records per page

Search:

Seed name	Category	Difficulty level	Details
Amaranthaceae > Amaranth > Love Lies Bleeding	ORNAMENTAL	MODERATE	<input type="button" value="View details"/>
Amaranthaceae > Spinach > Giant Winter	EDIBLE	MODERATE	<input type="button" value="View details"/>
Apiaceae > Dill > Bouquet	HERB	MODERATE	<input type="button" value="View details"/>
Apiaceae > Carrot > Little Finger	EDIBLE	MODERATE	<input type="button" value="View details"/>
Apiaceae > Cilantro Coriander > Santo	HERB	MODERATE	<input type="button" value="View details"/>
Apiaceae > Carrot > Dragon	EDIBLE	MODERATE	<input type="button" value="View details"/>
Apiaceae > Parsley > Moss Curled	HERB	MODERATE	<input type="button" value="View details"/>
Apiaceae > Carrot > Scarlet Nantes	EDIBLE	MODERATE	<input type="button" value="View details"/>
Apocynaceae > Milkweed >	ORNAMENTAL	MODERATE	<input type="button" value="View details"/>
Asteraceae > Calendula > Single Yellow	ORNAMENTAL	EASY	<input type="button" value="View details"/>

Showing 1 to 10 of 110 entries

1

Seed search

Find the seed you've been looking for!

[Available packets only](#) [All seeds](#)

10 ▾ records per page

Search:

Seed name	Category	Difficulty level	Details
Amaranthaceae > Amaranth > Love Lies Bleeding	ORNAMENTAL	MODERATE	View details
Amaranthaceae > Spinach > Giant Winter	EDIBLE	MODERATE	View details
Amaryllidaceae > Hardneck > Purple Stripe	HERB	MODERATE	View details
Apiaceae > Carrot > Scarlet Nantes	EDIBLE	MODERATE	View details
Apiaceae > Cilantro Coriander > Santo	HERB	MODERATE	View details
Apiaceae > Dill > Bouquet	HERB	MODERATE	View details
Apiaceae > Parsley > Moss Curled	HERB	MODERATE	View details
Apiaceae > Carrot > Dragon	EDIBLE	MODERATE	View details
Apiaceae > Carrot > Little Finger	EDIBLE	MODERATE	View details
Apocynaceae > Milkweed >	ORNAMENTAL	MODERATE	View details

Showing 1 to 10 of 124 entries

← Previous [1](#) [2](#) [3](#) [4](#) [5](#) Next →

Amaryllidaceae - Hardneck - Purple Stripe

Category: herb

Family: *Amaryllidaceae*

Species: Hardneck

Variety: Purple Stripe

Seed Saving Level: moderate

Description: Oldest known garlic species. Donor grew on an organic farm in Central New Annan, Nova Scotia.

No packets available for this specific seed.

Seed search

Find the seed you've been looking for!

[Available packets only](#) [All seeds](#)

10 records per page

Search:

Seed name	Category	Difficulty level	Details
Amaranthaceae > Amaranth > Love Lies Bleeding	ORNAMENTAL	MODERATE	<input type="button" value="View details"/>
Amaranthaceae > Spinach > Giant Winter	EDIBLE	MODERATE	<input type="button" value="View details"/>
Amaryllidaceae > Hardneck > Purple Stripe	HERB	MODERATE	<input type="button" value="View details"/>
Apiaceae > Carrot > Scarlet Nantes	EDIBLE	MODERATE	<input type="button" value="View details"/>
Apiaceae > Cilantro Coriander > Santo	HERB	MODERATE	<input type="button" value="View details"/>
Apiaceae > Dill > Bouquet	HERB	MODERATE	<input type="button" value="View details"/>
Apiaceae > Parsley > Moss Curled	HERB	MODERATE	<input type="button" value="View details"/>
Apiaceae > Carrot > Dragon	EDIBLE	MODERATE	<input type="button" value="View details"/>
Apiaceae > Carrot > Little Finger	EDIBLE	MODERATE	<input type="button" value="View details"/>
Apocynaceae > Milkweed >	ORNAMENTAL	MODERATE	<input type="button" value="View details"/>

Showing 1 to 10 of 124 entries

1

Seed search

Find the seed you've been looking for!

[Available packets only](#) [All seeds](#)

10 records per page

Search:

Seed name	Category	Difficulty level	Details
Amaranthaceae > Amaranth > Love Lies Bleeding	ORNAMENTAL	MODERATE	<input type="button" value="View details"/>
Amaranthaceae > Spinach > Giant Winter	EDIBLE	MODERATE	<input type="button" value="View details"/>
Apiaceae > Dill > Bouquet	HERB	MODERATE	<input type="button" value="View details"/>
Apiaceae > Carrot > Little Finger	EDIBLE	MODERATE	<input type="button" value="View details"/>
Apiaceae > Cilantro Coriander > Santo	HERB	MODERATE	<input type="button" value="View details"/>
Apiaceae > Carrot > Dragon	EDIBLE	MODERATE	<input type="button" value="View details"/>
Apiaceae > Parsley > Moss Curled	HERB	MODERATE	<input type="button" value="View details"/>
Apiaceae > Carrot > Scarlet Nantes	EDIBLE	MODERATE	<input type="button" value="View details"/>
Apocynaceae > Milkweed >	ORNAMENTAL	MODERATE	<input type="button" value="View details"/>
Asteraceae > Calendula > Single Yellow	ORNAMENTAL	EASY	<input type="button" value="View details"/>

Showing 1 to 10 of 110 entries

1

Apiaceae - Carrot - Little Finger

Category: edible

Family: Apiaceae

Species: Carrot

Variety: Little Finger

Seed Saving Level: moderate

Description:



an initiative of the
MacRae Library,
Dalhousie Agricultural
Campus

Reserve seeds

User View

Apiaceae - Carrot - Little Finger

Category: edible

Family: Apiaceae

Species: Carrot

Variety: Little Finger

Seed Saving Level: moderate

Description:



Seed Lending Library

Basket: 1 Items | [Login](#) | [Sign up](#)

[Home page](#)

[Borrow seed](#) ▾

[Return seed](#) ▾

[Donate seed](#) ▾

Apiaceae - Carrot - Little Finger

Category: edible

Family: Apiaceae

Species: Carrot

Variety: Little Finger

Seed Saving Level: moderate

Description:

packets

Germ. Ratio %	Harvest Date	Actions
	2013-01-01	Remove
	2013-01-01	Add to basket

Seed search

Find the seed you've been looking for!

Available packets only

All seeds

10 records per page

Search: Enter a seed name

Seed name	Category	Difficulty level	Details
Asteraceae > Calendula > Flashback	ORNAMENTAL	MODERATE	View details
Asteraceae > Marigold > African	ORNAMENTAL	EASY	View details
Asteraceae > Sunflower > Velvet Queen	ORNAMENTAL	EASY	View details
Asteraceae > Lettuce > Reine d'Glaces Iceburg	EDIBLE	EASY	View details
Asteraceae > Sunflower > Mammoth Russian	ORNAMENTAL	MODERATE	View details
Asteraceae > Lettuce > Jericho Romaine	EDIBLE	EASY	View details
Asteraceae > Marigold > Crackerjack	ORNAMENTAL	MODERATE	View details
Asteraceae > Lettuce > Buttercrunch	EDIBLE	EASY	View details
Asteraceae > Brown Eyed Susans >	ORNAMENTAL	MODERATE	View details
Asteraceae > Calendula > Single Yellow	ORNAMENTAL	EASY	View details

Showing 21 to 30 of 110 entries

← Previous 1 2 3 4 5 Next →

Asteraceae - Lettuce - Buttercrunch

Category: edible

Family: Asteraceae

Species: Lettuce

Variety: Buttercrunch

Seed Saving Level: easy

Description:

Packets

Germ. Ratio %	Harvest Date	Actions
	2013-01-01	Add to basket
	2013-01-01	Add to basket
	2013-01-01	Add to basket

10 25 50 100

Seed Lending Library

 Basket: 2 Items | [Login](#) | [Sign up](#)

 Home page

Borrow seed ▾

Return seed ▾

Donate seed ▾

Asteraceae - Lettuce - Buttercrunch

Category: edible

Family: Asteraceae

Species: Lettuce

Variety: Buttercrunch

Seed Saving Level: easy

Description:

Packets

Germ. Ratio %	Harvest Date	Actions
	2013-01-01	 Remove
	2013-01-01	 Add to basket
	2013-01-01	 Add to basket

10 25 50 100



Seed Lending Library

Basket: 2 Items | [Login](#) | [Sign up](#)

[Home page](#)

[Borrow seed](#) ▾

[Return seed](#) ▾

[Donate seed](#) ▾

My basket

[Checkout](#)

packets in cart

Seed	Grams	Germ. Ratio %	Harvest Date	Grow Location	Actions
Apiaceae (Carrot) - Little Finger			2013-01-01		Remove
Asteraceae (Lettuce) - Buttercrunch			2013-01-01		Remove

10 25 50 100



an initiative of the
MacRae Library,
Dalhousie Agricultural
Campus

Create an account

User View

Login

Email:

*

Password:

*

Login

Not registered yet? [Sign up now!](#) If you're already registered but don't have a password [click here](#) to retrieve it.

Sign up

[Click here](#) if already have an account and just need to login.

Access information

*** Name**

*** Email**

*** Password**

*** Confirm password**

 [Previous](#)[Next](#)

* Required field

Sign up

[Click here](#) if already have an account and just need to login.

Access information

* Name



* Email

* Password



* Confirm password

[Previous](#)[Next](#)

* Required field

Sign up

[Click here](#) if already have an account and just need to login.

Where do you live?

*** Address**

Enter your address

*** City**

What city do you live in?

Province

Nova Scotia



Postal Code

Enter your postal code

Previous

Next

* Required field

Sign up

[Click here](#) if already have an account and just need to login.

Where do you live?

*** Address**

135 College Road

*** City**

Bible Hill

Province

Nova Scotia

Postal Code

B2N 5E3

[Previous](#)

[Next](#)

* Required field

Sign up

[Click here](#) if already have an account and just need to login.

Do you have any phone number?

Home Phone

Ex: 902-299-1212

Work Phone

Ex: 902-299-1213

Cell Phone

Ex: 902-299-1213

[Previous](#)

[Next](#)

* Required field

Sign up

[Click here](#) if already have an account and just need to login.

Do you have any phone number?

Home Phone

Ex: 902-299-1212

Work Phone

902-893-6669

Cell Phone

Ex: 902-299-1213

[Previous](#)

[Next](#)

* Required field

Sign up

[Click here](#) if already have an account and just need to login.

How experienced are you?

Gardening Experience

Seed Saving Experience

I want to be a volunteer I want to be a mentor I want to be a donor

[Previous](#) [Next](#) [Sign up](#)

* Required field

Sign up

[Click here](#) if already have an account and just need to login.

How experienced are you?

Gardening Experience

SOME



Seed Saving Experience

NONE



I want to be a volunteer I want to be a mentor I want to be a donor

Previous

Next

Sign up

* Required field

You've been registered successfully! Enter your login information to sign in.

Login

Email:

*

Password:

*

Login

Not registered yet? [Sign up now!](#) If you're already registered but don't have a password [click here](#) to retrieve it.



an initiative of the
MacRae Library,
Dalhousie Agricultural
Campus

Login to finalize reservation

User View

You've been registered successfully! Enter your login information to sign in.

Login

Email:

*

Password:

*

Login

Not registered yet? [Sign up now!](#) If you're already registered but don't have a password [click here](#) to retrieve it.

Checkout

Reservation information

The packets will be reserved for you and must be picked up by *Sunday 14th of June 2015*.

[Confirm reservation](#)

Checkout

Congratulations! Your request has been processed and your seeds reserved!

Check your request details below:

Seed	Amount (grams)	Status
Apiaceae (Carrot) - Little Finger	null	✓ Reserved
Asteraceae (Lettuce) - Buttercrunch	null	✓ Reserved

[!\[\]\(9bef364f4319f0a40528d067a351210e_img.jpg\) View all your requests.](#)

My requests

Lendings Donations Returns

Pending Checked out

Seed	Amount (grams)	Requested at	Reserved until	Actions
Asteraceae (Lettuce) - Buttercrunch		06/07/2015 @ 15:45	06/14/2015 @ 15:45	<button>Delete</button>
Apiaceae (Carrot) - Little Finger		06/07/2015 @ 15:45	06/14/2015 @ 15:45	<button>Delete</button>

10 25 50 100



an initiative of the
MacRae Library,
Dalhousie Agricultural
Campus

Pickup your seeds

Administration View

Seed Lending Library

[Home page](#)[Borrow seed](#) ▾[Return seed](#) ▾[Donate seed](#) ▾

Welcome to the Seed Lending Library's website!

Access to diverse varieties of plants is important to our community. By selecting and saving seeds from plants which thrive, over generations, we have an opportunity to cultivate a collection of seeds that flourish in our community.

[Learn how to borrow seed!](#)

•

How does it work?



What are the benefit of becoming a member?

- Access a free collection of diverse seeds
- Be part of a community sustained project
- Participate in workshops and educational events intended to support you throughout the growing season
- Share the stories and the seeds of the plants you cultivate so others may discover them

Seed Lending Library

[Home page](#)[Borrow seed](#) ▾[Return seed](#) ▾[Donate seed](#) ▾

Welcome to the
Library's web

Access to diverse varieties of plants
saving seeds from plants which they
cultivate a collection of seeds that

Login

Email:

*

Password:

*

Not registered yet? [Sign up now!](#) If you're already registered but don't have a password [click here](#) to retrieve it.



How does it work?

Welcome to the Seed Lending Library's website

Access to diverse varieties of plants
saving seeds from plants which they
cultivate a collection of seeds that

Login

Email:

*

Password:

*

Not registered yet? [Sign up now!](#) If you're already registered but don't have a password [click here](#) to retrieve it.

How does it work?

Become a member?

[!\[\]\(3e4160d421e3ff9f5f750a39279c1de9_img.jpg\) Home page](#)[CMS](#)[Items](#)[Users](#)[Donations ▾](#)[Check Out ▾](#)[Check In ▾](#)[Admin panel](#) Vail, Margaret ▾

Welcome to the Seed Lending Library Administration!

Use the top navigation bar to access the features you want to use.

 Seed Lending Library

[Home page](#)[CMS](#)[Items](#)[Users](#)[Donations](#) ▾[Check Out](#) ▾[Check In](#) ▾[Admin panel](#)

Vail, Margaret ▾

Welcome to the Seed Lending Library Registration!

Use the top navigation bar to access the features you want to use.

Seed Lending Library

Requested packets

Actions

[Select all](#) [Delete selected](#) [Checkout selected](#)

10 ▾ records per page

Search:

Packet #	Seed	Borrower	Request Date	Check out	
<input type="checkbox"/> 21	Asteraceae > Lettuce > Buttercrunch	Seed Library Test	2015-06-07 20:13:33	Check out	Delete
<input type="checkbox"/> 317	Apiaceae > Carrot > Little Finger	Seed Library Test	2015-06-07 20:02:13	Check out	Delete

Showing 1 to 1 of 1 entries

[← Previous](#) 1 [Next →](#)

Lend packet

 Back

Borrower

Seed Library Test

Borrow Date

2015-06-07

Lend

Cancel

Lending registered successfully.

Lend packet

 Back

Requested packets

Actions

Select all

 Delete selected

 Checkout selected

10  records per page

Search:

Packet #	▲ Seed	▼ Borrower	▼ Request Date	▼ Check out
<input type="checkbox"/> 317	Apiaceae > Carrot > Little Finger	Seed Library Test	2015-06-07 20:02:13	 

Showing 1 to 1 of 1 entries

 Previous 1 Next 

 Seed Lending Library

Lend packet

 Back

Borrower

Seed Library Test

Borrow Date

2015-06-07

Lend

Cancel

Lending registered successfully.

Lend packet

 Back

Requested packets

Actions

Select all

Delete selected

Checkout selected

10 records per page

Search:

Packet # Seed

Borrower

Request Date

Check out

No data available in table

Showing 0 to 0 of 0 entries

← Previous Next →



an initiative of the
MacRae Library,
Dalhousie Agricultural
Campus

Return your seeds

User View

Seed Lending Library

[Home page](#)[Borrow seed](#) ▾[Return seed](#) ▾[Donate seed](#) ▾

Welcome to the Seed Lending Library's website!

Access to diverse varieties of plants is important to our community. By selecting and saving seeds from plants which thrive, over generations, we have an opportunity to cultivate a collection of seeds that flourish in our community.

[Learn how to borrow seed!](#)

•

How does it work?



What are the benefit of becoming a member?

- Access a free collection of diverse seeds
- Be part of a community sustained project
- Participate in workshops and educational events intended to support you throughout the growing season
- Share the stories and the seeds of the plants you cultivate so others may discover them



Seed Lending Library

[Home page](#)

Borrow seed ▾

Return seed ▾

Donate seed ▾

Login

Email:

Enter your e-mail

*

Password:

Enter your password

*

[Login](#)

Not registered yet? [Sign up now!](#) If you're already registered but don't have a password [click here](#) to retrieve it.

[Contact Us](#) | [Send Feedback](#) | [Help](#)





Seed Lending Library

[Home page](#)

Borrow seed ▾

Return seed ▾

Donate seed ▾

Login

Email:

*

Password:

*

[Login](#)

Not registered yet? [Sign up now!](#) If you're already registered but don't have a password [click here](#) to retrieve it.

[Contact Us](#) | [Send Feedback](#) | [Help](#)



Seed Lending Library

[Admin panel](#) | [Profile](#) | [My requests](#) | [Logout](#)[Home page](#)[Borrow seed](#) ▾[Return seed](#) ▾[Donate seed](#) ▾

About

Return seed

Welcome to the Seed Lending Library's website!

Access to diverse varieties of plants is important to our community. By selecting and saving seeds from plants which thrive, over generations, we have an opportunity to cultivate a collection of seeds that flourish in our community.



Return seed

Amount (grams)

Ex: 100



Parent packet



Description

Candidate packets

Packet #	Seed	Amount	Germ. Ratio %	Harvest Date	Grow Location
317	Apiaceae (Carrot) - Little Finger			2013-01-01	
21	Asteraceae (Lettuce) - Buttercrunch			2013-01-01	

10 25 50 100

Save

Reset

Return seed

Amount (grams)

100



Parent packet

317



Description



Candidate packets

Packet #	Seed	Amount	Germ. Ratio %	Harvest Date	Grow Location
317	<i>Apiaceae (Carrot) - Little Finger</i>			2013-01-01	
21	<i>Asteraceae (Lettuce) - Buttercrunch</i>			2013-01-01	

10 25 50 100

Save

Reset

Return registered successfully! Click [here](#) to see your requests.

Return seed

Amount (grams)

Ex: 100



Parent packet



Description



Candidate packets

Packet #	Seed	Amount	Germ. Ratio %	Harvest Date	Grow Location
21	Asteraceae (Lettuce) - Buttercrunch			2013-01-01	

10 25 50 100

Save

Reset

My requests

Lendings

Donations

Returns

Pending

Checked out

No lendings.

My requests

Lendings Donations Returns

Pending Checked out

Seed	Amount (grams)	Checked out date
Asteraceae (Lettuce) - Buttercrunch		06/07/2015 @ 00:00

10 25 50 100

My requests

Lendings Donations Returns

Pending Checked in

Seed	Amount (grams)	Requested at	Actions
Apiaceae (Carrot) - Little Finger	100	06/08/2015 @ 00:11	Edit Delete

10 25 50 100

My requests

Lendings

Donations

Returns

Pending

Checked in

No returns.



an initiative of the
MacRae Library,
Dalhousie Agricultural
Campus

Processing a seed Return

Administration View

[Home page](#)[CMS](#)[Items](#)[Users](#)[Donations ▾](#)[Check Out ▾](#)[Check In ▾](#)[Admin panel](#) [Vail, Margaret ▾](#)

Welcome to the Seed Lending Library Administration!

Use the top navigation bar to access the features you want to use.

Seed Lending Library

[Home page](#)[CMS](#)[Items](#)[Users](#)[Donations](#) ▾[Check Out](#) ▾[Check In](#) ▾[Admin panel](#) Vail, Margaret ▾

Checked in

Pending Returns

Welcome to the Seed Lending Library Administration!

Use the top navigation bar to access the features you want to use.

 Seed Lending Library

Requested returns

Actions

[Select all](#) [Delete selected](#) [Create](#)10 ▼ records per pageSearch:

Seed	Returner	Amount (grams)	Requested at	Actions
<input type="checkbox"/> 168 Apiaceae > Carrot > Little Finger	Seed Library Test	100	2015-06-08 00:11:39	Check in Edit Delete

Showing 1 to 1 of 1 entries

[← Previous](#) 1 [Next →](#)

Seed Lending Library

Check in return

Returner

Seed Library Test

Check in

Cancel

Check in registered successfully. Click [here](#) to add packets to this accession.

Check in return

Edit return record

[Back](#)[General](#)[Packets](#)**Returner**

Seed Library Test

Return Date

2015-06-08

Amount (grams)

100

**Description**[Search](#)**Parent packet**

21

**Candidate packets**10 records per pageSearch:

Packet #	▲ Seed	▼ Amount (grams)	▼ Germ. Ratio %	▼ Harvest Date	▼ Grow Location
21	Asteraceae > Lettuce > Buttercrunch	0.0		2013-01-01	

Showing 1 to 1 of 1 entries

[← Previous](#) [1](#) [Next →](#)[Update](#)[Reset](#)[Cancel](#)



Create seed packets from a
return or donation

Administration View

Edit return record

[Back](#)[General](#)[Packets](#)**Returner**

Seed Library Test

Return Date

2015-06-08

Amount (grams)

100

**Description**[Search](#)**Parent packet**

21

**Candidate packets**10 records per pageSearch:

Packet #	▲ Seed	▼ Amount (grams)	▼ Germ. Ratio %	▼ Harvest Date	▼ Grow Location
21	Asteraceae > Lettuce > Buttercrunch	0.0		2013-01-01	

Showing 1 to 1 of 1 entries

[← Previous](#) [1](#) [Next →](#)[Update](#)[Reset](#)[Cancel](#)

Edit return record

 Back

General

Packets

 Add packet

Edit return record

Back

General

Packets

Add packet

New Packet

Amount (grams)

Ex: 100



Harvest Date

Ex: 2014-06-07

Grow Location

Grow Location

Physical Location

Physical Location

Germination Ratio

Ex: 94.5



Update

Reset

Cancel

New Packet

Amount (grams)

20



Harvest Date

2015-06-08

Grow Location

Halifax

Physical Location

Halifax

Germination Ratio

95



Update

Reset

Cancel

Edit return record

[Back](#)[General](#)[Packets](#)[+ Add packet](#)

Packet #1211

[See history](#)**Amount (grams)**

20

**Harvest Date**

2015-06-08

Grow Location

Halifax

Physical Location

Halifax

Germination Ratio

95

[Update](#)[Reset](#)

Packet history

 Back

2013-01-01

Packet #317 - DONATION

- Donated by Seed Lending Library Acquisitions on 2014-01-03 00:00:00
- Borrowed by Seed Library Test on 2015-06-07 00:00:00

2015-06-08

Packet #1211 - RETURN

- Returned by Seed Library Test on 2015-06-08 00:18:26



an initiative of the
MacRae Library,
Dalhousie Agricultural
Campus

Return Seeds at Library

Administrator View

Welcome to the Seed Lending Library Administration!

Use the top navigation bar to access the features you want to use.

[Home page](#)[CMS](#)[Items](#)[Users](#)[Donations](#) ▾[Check Out](#) ▾[Check In](#) ▾[Admin panel](#) Vail, Margaret ▾

Checked in

Pending Returns

Welcome to the Seed Lending Library Administration!

Use the top navigation bar to access the features you want to use.

 Seed Lending Library

Returns

Create

10 ▼ records per pageSearch:

Seed	Returner	Amount (grams)	Return Date	Actions
Apiaceae > Carrot > Little Finger	Seed Library Test	100	2015-06-08 00:18:26	
Fabaceae > Pea > Lancashire Lad	Chen, Jinglin	10	2014-09-17 00:00:00	
Solanaceae > Tomato > Reisetomato	McBryan, Lyn	1	2015-03-11 00:00:00	
Solanaceae > Tomato > Cherokee Purple Beefsteak	McBryan, Lyn	1	2015-03-11 00:00:00	
Solanaceae > Tomato > Bali	McBryan, Lyn	1	2015-03-11 00:00:00	

Showing 1 to 5 of 5 entries

← Previous 1 Next →

Return seed

[Back](#)[General](#)**Returner****Return Date****Amount (grams)****Description**[Search](#)[Update](#)[Reset](#)[Cancel](#)

Return seed

 Back

General

Returner

Seed Library Test

Return Date

2015-06-08

Amount (grams)

1



Description

Search

Update

Reset

Cancel

Return seed

[Back](#)[General](#)**Returner**

Seed Library Test

Return Date

2015-06-08

Amount (grams)

1

**Description**[Search](#)**Parent packet****Candidate packets**10 [records per page](#)Search:

Packet #	▲ Seed	▼ Amount (grams)	▼ Germ. Ratio %	▼ Harvest Date	▼ Grow Location
21	Asteraceae > Lettuce > Buttercrunch	0.0		2013-01-01	

Showing 1 to 1 of 1 entries

[← Previous](#) [1](#) [Next →](#)[Update](#)[Reset](#)[Cancel](#)

Return seed

[Back](#)[General](#)**Returner**

Seed Library Test

Return Date

2015-06-08

Amount (grams)

150

**Description**[Search](#)**Parent packet**

21

**Candidate packets**10 [▼ records per page](#)

Search:

Packet #	▲ Seed	◆ Amount (grams)	◆ Germ. Ratio %	◆ Harvest Date	◆ Grow Location
21	Asteraceae > Lettuce > Buttercrunch	0.0		2013-01-01	

Showing 1 to 1 of 1 entries

[← Previous](#) [1](#) [Next →](#)

Return registered successfully! Click [here](#) to add packets to it.

Return seed

 Back

General

Returner

Enter a name to search for packets

Return Date

2015-06-08

Amount (grams)

1



Description

Search

Update

Reset

Cancel





an initiative of the
MacRae Library,
Dalhousie Agricultural
Campus

Questions??



[In the Garden](#) © Jenn "Rook #17", [CC BY-NC-SA 2.0](#)