

CANADIAN SEED COMPANIES

- Many Canadian seed companies buy in and repack
- Those that grow seed tend to
 produce many varieties but small quantities of each.



CHALLENGES TO BULKING UP

- Isolation distance
- Climatic conditions
- Cropping pressure, eg corn
- Insect (leek moth) and weed pressure (carrot)
- Appropriately scaled equipment
- Developing a network of seed growers











- Leslie Moskovits & Jeff Boesch
- Neustadt, ON
- Certified organic
- Farm Established 2010
- Summer and winfer
- CSA
- Grain share
- Seed growing experience

GREEN BEING FARM

- Nathan Carey & Tarrah Young
- Neustadt, ON
- Winter CSAPastured pork,
- poulrty and lamb
- Kune kune pigs
- Seed growing experience



REROOT ORGANIC FARM



- Caitlin Hall
- Harriston, ON
- Certified Organic
- Farm Established 2010
- Summer & winter CSA
- Pastured pigs, beef cattle and chickens
- Honey share
- experience
- Seed growing

SAUGEEN RIVER CSA

- Cory Eichman
- Durham, ON
- Biodynamic
- Farm Established 1997 ...
- Summer and winter
- · CSA . .
- · · Vetran seed grower



HAWTHORN FARM ORGANIC SEEDS



- Kim Delaney & Aaron Lyons
- Palmerston, ON
- Farm Established 2000 . . .
- Certified organic
- Vegetable, flower & herb seed

PROJECT OBJECTIVES

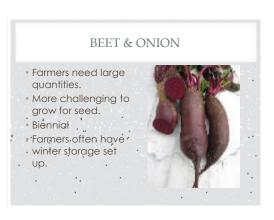
To establish a farmer led, collaborative seed growers network in Wellington and Grey counties in Ontario

Set up a seed cleaning hub at Hawthorn Farm in Palmerston ON.

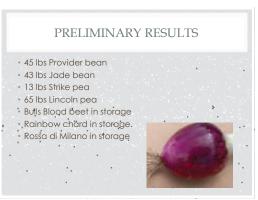
Grow 5 farm tested varieties of bean, pea, beet and onion on 5 farms.

Harvest, clean, test and distribute seed.

Document project.



PEA & BEAN Farmers need large quantities Easy to produce seed – selfers Find varieties well adapted to short season growing, Find productive, disease resistant varieties.







- -Accidental crossing
- -Disease vulnerability

- -Disease vulnerability
 -Lack of vigour
 -Early bolting
 -Bush v.s vining habits
 -Flesh to seed ratio
- -Bitterness . .
- -Late flowering -Early shattering



GENETIC MAINTENANCE

Rogueing:

• The process of examining a crop and removing unwanted individuals.



Selection:

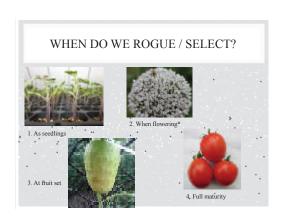
 Desired genetic attributes are kept in a population



WHAT ARE WE SELECTING FOR?

- -Delicious taste
- -Disease resistance
- -Cold soil emergence
- -Seedling vigour
- -Yeild
- -Colour
- -Trueness to type (uniformity)
 -Storability
- -Size
- -Shape
- -Texture -Earliness



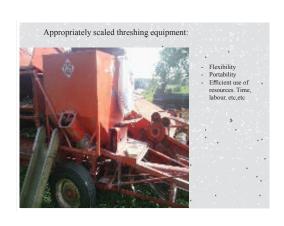






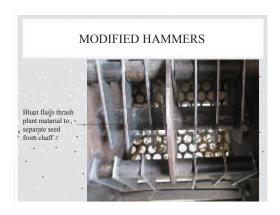


















- Compressed air
- Variable screen box fans
- Shop Vac

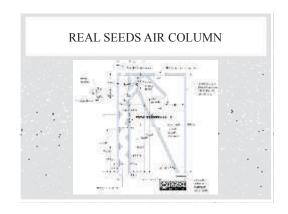














LESSONS LEARNED

- Seeds of Transition is very much an ongoing experiment.
- Growing this seed is a gift to the greater community. Seed is relatively cheap to buy and it is difficult to
- justify the time commitment. Onion example.
- Ongoing communication is key to success.
- Need to find the balance between unique varieties and useful varieties.
- . Incorporating seed into a busy farm business and family is very difficult.

TEST

MORE LESSONS

- Seed crops must be incorporated in the farm plan every step of the way.
- Produce a calendar with a rough schedule for seeding, rogueing, harvest etc.
- Planning should start in Jan Feb with a face to face meeting in mid-March for final planning and a social.
- social.

 Farmer / seed company collaboration key to success.
- . The desire to produce seed is very strong. It keeps us engaged in the deeper work of farming.

