











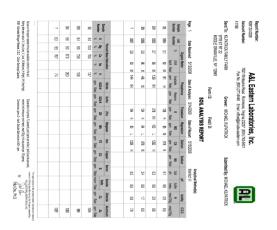






Soil type	Crops	Acres
Bernardston- shaly silt loams	stays dry, early and late greens, melons, tomatoes, stony	4
Hamlin Silt Ioam	root crops, great for radishes, beets, carrots- no stones	8
Hartland sandy loam	class 1,general purpose, no stones	4
Vergennes Silty Clay	somewhat heavy, winter squash, brassicas, spinach, beans	5
Hoosick Gravelly sandy Loam	Sweet potato heaven	1



















Disease

management Season extension is exposing crops to

- sub-ideal environments
- Early and late plantings are more vulnerable to wet, cold conditions which make them ripe for disease.
- As well, the soils are not warm which means that leaf yellowing/dieback is more prevasive- which leads to more disease.



Fighting disease...

- variety selection
- adding mycorrhizae
- not working the soil too early or too latethe clump test
- good air circulation- giving plants nessesary space, and uncovering so they can dry out
- clean seed, propagation trays, equipment

Sprays a last resort

- Regalia, rootshield, actinovate
- Oxidate
- Double nickel, greencure, milstop, copper















Planning our Season Extension

- look at what the market needs/is missing
- look at your weather patterns
- think about the growth patterns depending on the season





Occur on the top of a slope, by large bodies of water, in areas shielded by large natural barriers Can be 3-5 degrees warmer than surrounding areas Our granville field is consistantly 3-4 degrees colder than the home farm



Outdoors Greenhoue 20 15 10 5 1/1 2/1 3/1 4/1 5/1 6/1 7/1 8/1 9/1 10/1 11/1 12/1

Growth rates



Frost-sensitive crops

- Tomatoes including cherries
- peppers
- eggplant
- cucumbers
- squash
- okra

Hardy Crops

- Arugula
- Mesclun
- Lettuce Mix
- Spinach
- Asian greens
- Carrots



Pick an date...

And then just keep on planting....

Get rid of the pre-conceived notions of when crops can be produced

Looking at frost dates

- how early can you reasonably plant sensitive crops without heat?
- use a construction heater for those few days that it gets cold
- have rowcovers at the ready...



























































Flaming basics

- either used for stale seed bedding (before the crop is planted or blind cultivation (before the crop is up)
- idea situation: plant, wait till seeds are germinating but not above the soil yet, flame, seeds come up in weed free bed
- flame midday when plants and ground are dry
- hot as possible

































































































































QuickTime™ and a Motion JPEG OpenDML decompressor are needed to see this picture.























































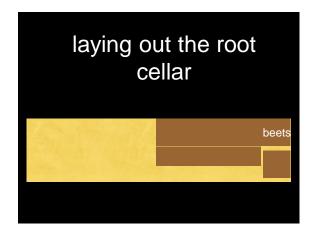


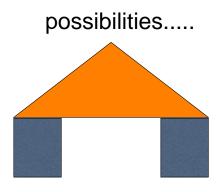




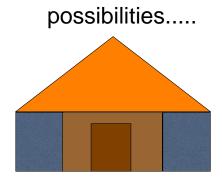


















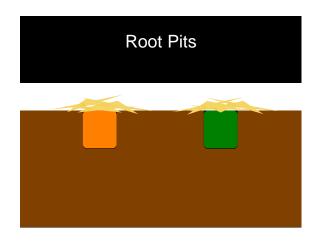


























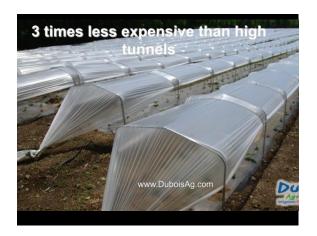




































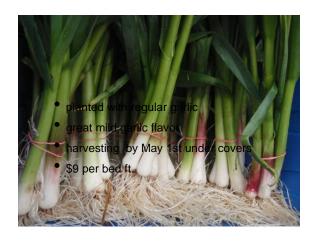














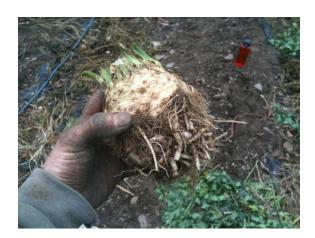














Cultural techniques

- greenhouse plantings are trellised- 2 leaders clipped up
- hoop house plantings are basket-weave with 7 ft rebar in between 8 ft 2 x 2 stakes
- we pick into 2 gallon mushroom buckets and sort in washing shed



























































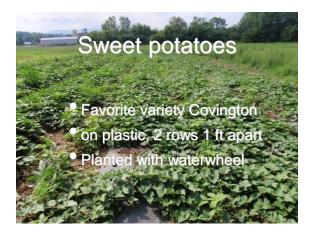
















































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