

Initial Report

Last Modified: 09/04/2014

1. Farm Name and Farm Location (town):

Text Response	
Main Street Farms	
motherplants, enfield	
Plowbreak Farm, Hector	
West Haven Farm, Ithaca	
Early Morning Farm - Genoa NY	
mandeville farm spencer	
Buried Treasures Organic Farm, Groton, NY	
Groundswell Incubator Farm	
Church Street Produce Burdett	
Thomson Farm, Lansing	
Muddy Fingers Farm, Hector	
Remembrance Farm	
Steep Hollow Farm	
Humble hill farm	
Mansfield Farm, Burdett	
Tree Gate Farm, Ithaca	
Black diamond Farm, Trumansburg	
TC3 Farm Dryden	
Good Life Farm, Interlaken	
Stick and Stone Farm Ulysses	
Red Tail Farm Jacksonville NY	
Stick and Stone Farm	
Silver Queen hector	

Statistic	Value
Total Responses	23

2. What is your email and/or phone number?

Text Response
info@mainstreetfarms.com
motherplants@gmail.com
plowbreakfarm@gmail.com, 508 274 1375
john@westhavenfarm.net
anton@earlymorningfarm.com
mandeville11@msn.com
buriedtreasuresorganicfarm@yahoo.com
devon@groundswellcenter.org
info@churchstreetproduce.com and 607-546-2557
kthomson1@twcny.rr.com
607-546-4535, maglenn_1999@yahoo.com
farmernathaniel@gmail.com
cmw84@cornell.edu 227-6638
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kmansfield80@yahoo.com
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Blackdiamondfarm@gmail.com, 607-592-7506
tm1@tc3.edu
melissa@thegoodlifefarm.org
stickandstonefarm@gmail.com
brentwelch777@gmail.com
stickandstonefarm@gmail.com
6072274505 silverqueenfarm@gmail .com

Statistic	Value
Total Responses	23

3. Total acres in production:

#	Answer	Min Value	Max Value	Average Value	Standard Deviation
1	Vegetables	0.00	100.00	9.84	20.59
2	Berries	0.00	8.00	0.51	1.48
3	Tree fruit	0.00	35.00	2.07	6.52

4. Do you currently grow crops in high tunnels?

#	Answer	Bar	Response	%
1	Yes		17	65%
2	No		9	35%
	Total		26	

Statistic	Value
Min Value	1
Max Value	2
Mean	1.35
Variance	0.24
Standard Deviation	0.49
Total Responses	26

5. How many tunnels/approximate size(s)? Please give us approx. total square footage. You can also include low tunnel growing space.

Text Response

4, 7,000 ft

3600

30x74

4: 20x70, 11x80, 12x80, 10x20

3 18'X96' hoophouses = 5184ft2 Also, 30'x45' of beds in a 30'x96' heated greenhouse

we have 17 - 144x17 foot houses. totalling just over an acre. 41,616 square feet.

30x72=2,160sf 20x48=960sf soon to add 21x104=2,184sf

One Howard Hoover Hoophouse - (20'x72')

5 high tunnels 4,000 square feet

7308 sq ft

5 @ 30x96

(2) 20' x 48'; new this fall, a 30' x 96' gothic. No low tunnels, row cover over wire hoops for bug and/or frost protection for at least part of the season- 650 bed feet.

2 tunnels 22x48 3 tunnels 30x48 1 tunnel 72x 30







3 tunnels two @ 28X174, one @ 28X96 about 6X1000' of low tunnels

we have two tunnels that are 18x100ft and 18x 75ft

11,000 sq ft

Statistic	Value
Total Responses	16

6. What crops do you raise in high tunnels?

#	Answer	Bar	Response	%
1	Berries and small fruits		2	12%
2	Greens		9	53%
3	Cucurbits		6	35%
4	Nightshades and Okra		10	59%
5	Ginger and exotics		4	24%
6	Other:		4	24%

Other:
perennial flowers, grasses, succulents, herbs
tomatoes, cukes, peppers, lettuce, spinach, greens
Both nightshades and greens
sweet potatoes

Statistic	Value
Min Value	1
Max Value	6
Total Responses	17

7. Are you interested in putting up new high tunnel(s) sometime in the next 9 months?






#	Answer	Bar	Response	%
1	Yes		14	58%
2	No		10	42%
	Total		24	

Statistic	Value
Min Value	1
Max Value	2
Mean	1.42
Variance	0.25
Standard Deviation	0.50
Total Responses	24

8. If a workshop on high tunnels were offered, what would you like to learn?

Text Response	
winter greens production	
-grants available -plastics, whats the best -overview of finances around different suppliers (the real math around the offers from farmtex, atlas, etc) -what part of them are worth DIY what should we buy	
trellis,fert. organic pest control	
winter disease management	
about cucurbit production in High Tunnels - especially summer squash.	
How to deal with problems: too much heat in summer, salt build up, disease issues due to lack of crop rotation. Also techniques for ginger and other newer crops	
All topics relating to High Tunnels would be useful to our Farmers, because we are beginners with using the High Tunnel. At our stage it would be useful to get understanding the benefits and the timing of using the Tunnel for season extension (i.e. how does the tunnel change the planting dates/timelines for various crops, what temperatures need to be reached, etc). It would also be useful to hear about crop rotations and soil fertility mgmt in the tunnels (e.g. Do people use cover crops in tunnels ever?)	
Building low tunnels with steel conduit	
Homemade moveable high tunnels	
how to manage salt buildup while continuing to use compost as primary fertility source	
Cost and recommendation on types. Would like to put up soon, not sure when	
Maximizing production and setting up systems for vertical growing Growing Power Will Allen style. Our tunnels is huge!	
Cost, benefits, how to make it work	
Soil management, pest and disease management, and vole/mice control	
How to best operate and optimize. Maintenance and lifespan. Costs involved...possible financial offsets.	
timing for planting winter crops	
no till strategy	
fertility and disease management. winter high tunnel production, high tunnel design and critical failures (a pathology of failed high tunnels) low tunnel management	
how to grow small fruit such as raspberries and how to keep spotted wing fruit fly out.	
Winter greens timing?	
It's odd but this year we seemed to have field grown tomatoes available for a week later than our competitors with tunnels ? Granted they may have had them earlier and didn't need to spray them But not much of an advantage in season extension	
Statistic	Value
Total Responses	21

9. Do you have cold storage facilities on your farm?

#	Answer	Bar	Response	%
1	Cooler		19	76%
2	Freezer		8	32%
3	Root cellar/cool barn		11	44%
4	None		4	16%
5	Other		4	16%

Other
Temporary cool and warm storage in barn.
large refrigerator
minimally heated insulated rooms
reefer trailers

Statistic	Value
Min Value	1
Max Value	5
Total Responses	25

10. Do you use a Coolbot?

#	Answer	Bar	Response	%
1	Yes		14	64%
2	No		8	36%
	Total		22	








Statistic	Value
Min Value	1
Max Value	2
Mean	1.36
Variance	0.24
Standard Deviation	0.49
Total Responses	22

11. Do you have enough on-farm storage for Fall crops?

#	Answer	Bar	Response	%
1	Yes		7	28%
2	Not always		9	36%
3	Never		9	36%
	Total		25	

Statistic	Value
Min Value	1
Max Value	3
Mean	2.08
Variance	0.66
Standard Deviation	0.81
Total Responses	25

12. For which Fall crops do you need additional storage space? (fresh, not frozen)

#	Answer	Bar	Response	%
1	Winter squash		8	53%
2	Apples		5	33%
3	Cabbage, Brussels sprouts, and greens		4	27%
4	Onions and garlic		8	53%
5	Potatoes		5	33%
6	Roots (beets, carrots, etc...)		8	53%
7	I need freezer space.		0	0%
8	Other		4	27%

Other
COOL - 35 to 40 - sedum cuttings
We are not open past September so don't need OR WANT winter storage
alternative cooler space for crops that can't be stored with apples

Statistic	Value
Min Value	1
Max Value	8
Total Responses	15

13. How many pallets do you typically need to store OFF the farm (at peak, all crops)?

#	Answer	Min Value	Max Value	Average Value	Standard Deviation
1	Cold Storage	0.00	40.00	4.36	11.63
2	Freezer Storage	0.00	0.00	0.00	0.00

14. Have you ever used off-farm storage to store Fall crops?

#	Answer	Bar	Response	%
1	Yes		11	46%
2	No		13	54%
	Total		24	

Statistic	Value
Min Value	1
Max Value	2
Mean	1.54
Variance	0.26
Standard Deviation	0.51
Total Responses	24

15. Where?

Text Response
Old regional access building, Greenstar Other farmers' coolers
Tureks
Greenstar cooler, Ithaca
The past 2 years, the Incubator Farmers have stored fall crops in the garages and homes, as our cooler space at the Farm is on hold at the moment. However we do hope to have cooler space at the Incubator Farm by next year.
Regional Access
Greenstar cooler
Regional Access, Greenstar Coop Mkt
Regional Access
Regional Access, Remembrance
green star
Regional Access

Statistic	Value
Total Responses	11

16. What was the cost? Please give a rate, i.e. per pallet, per month, etc...






Text Response	
Can't remember, sorry, but all were low enough to not be a barrier to use it.	
nothing	
\$25/pallet/month	
N/A	
\$15/pallet/month	
\$25/month	
if I remember correctly, \$25 per pallet per month	
\$20/pallet/mo	
\$25 per pallet slot (can stack) /month with a \$7 in out fee per day	
25 dollars per pallet per month	
\$20-30/pallet space/month (we usually stack two high)	

Statistic	Value
Total Responses	11

17. What were the pro's and con's of storing there?

Text Response	
regional: easy access other farms: easy access, but too far and sometimes limited space greenstar: convenient location, but access required getting a manager across the street	
close by free. Had to be very conscious of Tureks food safety plan. Also, it was sort of a favor of them to do that for us - not something we could rely on	
Ithaca location handy for local deliveries and farmers market. Access sometimes requires signing out and returning key; time consuming. Long drive from Groton, would save much time and gas to have on farm cold storage.	
N/A	
cheap but logistically awkward	
Mostly positive experience, but did find out the hard way that they don't have an alarm system for when the cooler is malfunctioning. The cooler was in the low 60s once and no one knew for how long.	
Pros.....we really needed the storage space. Cons.....lots of extra labor to drive back and forth with fruit, load, unload, etc. We have I since built a cooler that will probably be sufficient for our needs..	
Great to work with. They charge an in-out fee for each visit to the crop. Can't store apples in their cooler without upsetting all of the other veg producers	
pros:cheap and next door cons: limited days to access it, too dry, can be mixed there with ethylene emitting crops	
close to winter market, hard to get into sometimes with all the other produce there. Mixed fruit and veg may cause ethylene to make carrots bitter.	
Statistic	Value
Total Responses	10





18. If you needed off-farm cold storage, how far are you willing to drive to a storage site?

#	Answer	Bar	Response	%
1	1-5 miles		7	37%
2	6-10		6	32%
3	11-15		3	16%
4	Over 15		2	11%
5	Notes:		1	5%
	Total		19	

Notes:

Statistic	Value
Min Value	1
Max Value	5
Mean	2.16
Variance	1.47
Standard Deviation	1.21
Total Responses	19

19. How often would you need to access stored crops?

#	Answer	Bar	Response	%
1	Daily		1	5%
2	2-3 Times a Week		6	32%
3	Once a Week		9	47%
4	2-3 Times a Month		3	16%
5	Once a Month		0	0%
6	Less than Once a Month		0	0%
	Total		19	

Statistic	Value
Min Value	1
Max Value	4
Mean	2.74
Variance	0.65
Standard Deviation	0.81
Total Responses	19

20. If a workshop on cold storage was offered , what would you like to learn?

Text Response

best practices and varieties of crops to grow

easy coolbot troubleshooting would be one on farm cold storage - economics and techniques, overview

all

appropriate use of coolbot vs traditional refrigeration for different needs: long term storage, daily use/in and out a lot, removing field heat, high/low humidity. How important is it to keep ethylene producing and sensitive crops separate, how long till there are noticeable effects.

I'm good on cold storage knowledge.

Best way to build your own. Preventing problems with condensation. Cool-bot system: limitations of cooling power. Designing building for pallet jack access, loading/unloading, etc. Preventing access to rodents.

1.General storage options for various crops ideal 2. Ideal temps and humidity to store at 3. Bagging/container options

what are different options

Getting started intro basics

how to build, maintain and operate

Optimal temperature/moisture management for different crops

proper storage temps; what crops can be stored together

strategies for apple storage alongside other crops




electronic monitoring and controls for cold storage, root cellar design, air conditioning maintenance and repair, reefer trailer maintenance, ethylene management, materials handling tricks and tips

maybe how to build walk in freezer for fruit

remote monitoring technology

Statistic	Value
Total Responses	16

21. If we host winter workshops on high tunnels and cold storage, would you attend?

#	Answer	Bar	Response	%
1	High Tunnels		17	81%
2	Cold Storage		14	67%
3	None		2	10%

Statistic	Value
Min Value	1
Max Value	3
Total Responses	21

22. Are you interested in touring high tunnels or cold storage facilities at other farms?

#	Answer	Bar	Response	%
1	Yes		13	57%
2	Maybe		9	39%
3	No		1	4%
	Total		23	

Statistic	Value
Min Value	1
Max Value	3
Mean	1.48
Variance	0.35
Standard Deviation	0.59
Total Responses	23

23. Do you have any other comments or requests?

Text Response	
thanks.	
We are not interested in high tunnels and are only open seasonally so do not need cold storage.....we are not planning on expanding - rather downsizing - in the future. Thanks, Matt for taking the time to get us the survey eventhough we are not interested.... Val Carocci	
Your team rocks! Thank you for all your efforts.	
Our cooler and root cellars (2 separate spaces) will be new to the farm this winter. We've done without adequate storage for 5 years and it was costly to lose so much produce due to poor storage conditions.	
I'm much more interested in the hi tunnels than my husband/partner..	
Statistic	Value
Total Responses	5