



On-Farm Record Keeping

Ryan Spence
Field Good Farms

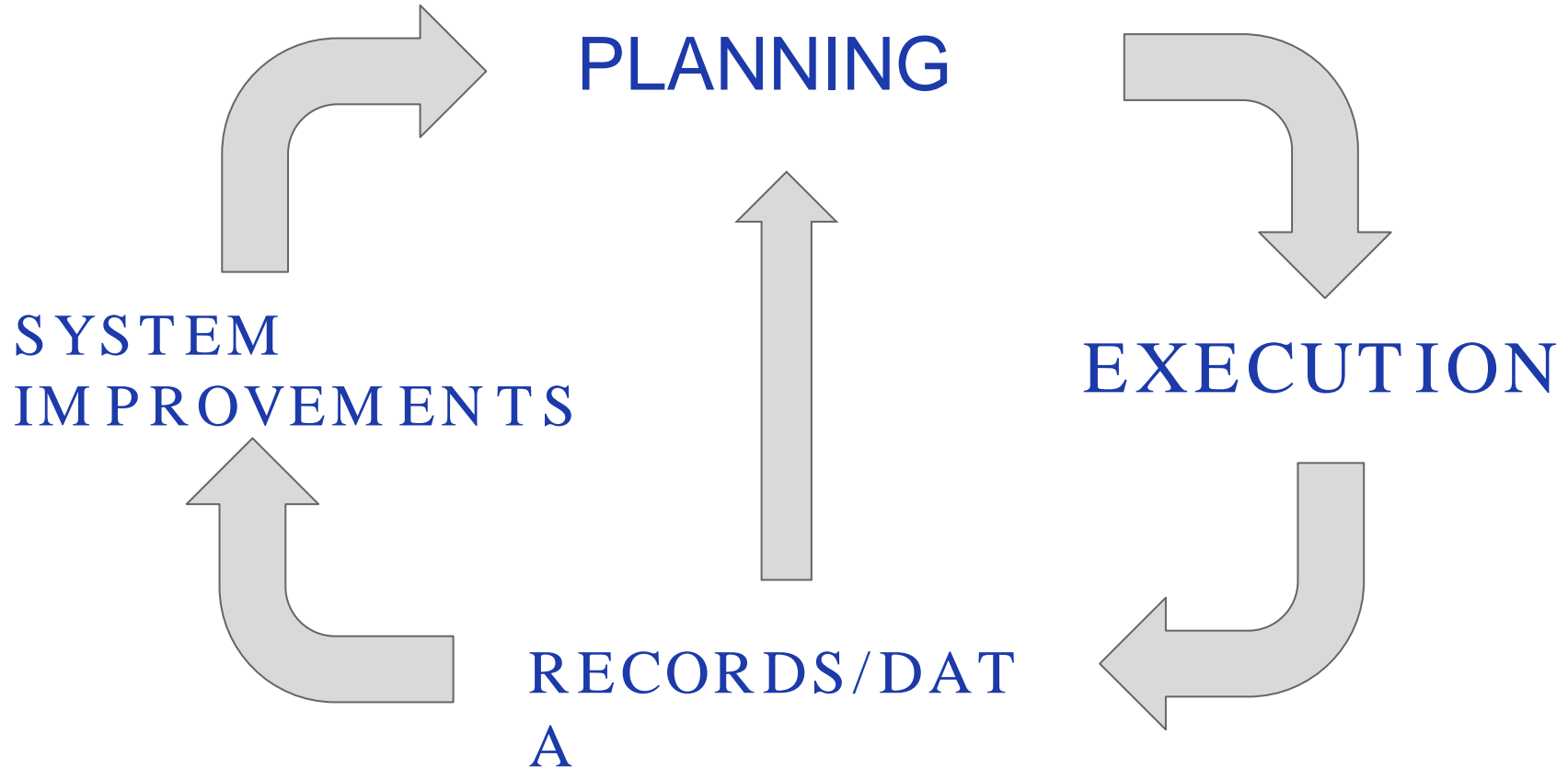
Goals for Today

- 1) Explain why we find record keeping to be important,
- 2) Provide insight into our record keeping systems at Field Good Farms,
- 3) Provide alternatives to our systems,
- 4) Answer as many questions as we can.

Why do we keep *GOOD* records?

- ❖ Decision making tool : efficiency and effectiveness
- ❖ Defining success : are we meeting our farm and life goals?
- ❖ Meeting (or exceeding) Standards :
 - Organic certification/customer assurance,
 - Health and safety

Production Improvement Cycle



What records do we keep and how?

- 1) Production Records,
- 2) Sales Records,
- 3) Income/Expense Records,
- 4) Environmental and Social Records,
- 5) Technical Records.



Production Records - Yearly Farm Plan

Search
Computer repair near Boston
Get Directions History

Places

- ✓ No-till 3 (transition) (Plot 11)
Crop rotations:
2018 - Short-season crops (greens)
- ✓ No-till 1 (Plot 12)
Crop rotations:
2018 - Apiaceae
- ✓ No-till (Plot 13)
Crop rotations:
2018 - Fallow
- ✓ Low-till annual veg
Crop rotations:
2018 - Chickens to the west, brassicas to the east
- ✓ Low-till (Plot 3)
Crop rotations:
2018 - Chickens to the west, brassicas to the east
- ✓ Low-till (Plot 4)
Crop rotations:
2018 - Cucurbits
- ✓ Low-till (Plot 5)
Crop rotations:
2018 - Cucurbits
- ✓ Low-till (Plot 7)
Crop rotations:
2018 - Fabaceae then chickens to the east, fallow
- ✓ Low-till (Plot 8)
Crop rotations:
2018 - Fabaceae to the east, Amaranthaceae to the west
- ✓ Low-till (Plot 9)
Crop rotations:
2018 - Buckwheat (CC) to the east,
- ✓ Low-till (Plot 10)
Crop rotations:
2018 - Buckwheat (CC) to the east,

Layers

- Primary Database
 - Announcements
 - Borders and Labels
 - Places
 - Photos
 - Roads
 - 3D Buildings
 - Weather
 - Gallery
 - More
 - Terrain

No-till 3 (transition) (Plot 11)
Crop rotations:
2018 - Short-season crops (greens)
2019 - Solanaceae (peppers) and fabaceae (peas). Winter rye in fall (CC) halfway to the north.
2020 - Buckwheat in summer, weak crop terminated by frost (CC) then fallow to the south, rye to the north. Rye and vetch (CC) in fall.
2021 - Create raised beds, fertilize and tarp. Spring crop of onions (200 bed feet). Summer crop of brassicaceae (FLRP broccoli & kohlrab), and beets. CC as available.
2022 - tarp in the spring if it is rye/vetch, or simply clear off of peas and oats, then summer crop.
2023 - Crop with CC as available
2024 - Crop with CC as available
2025 - Crop with CC as available
2026 - Crop with CC as available
2027 - Crop with CC as available

Levac Rd
FieldGood Farms
Google Earth
1985
46°22'51.02" N 80°01'35.03" W elev. 198 m eye alt. 4

Production Records - Seedling Plan

2021 Greenhouse Schedule (incl Plant Sales) ☆ 📄 🌐

File Edit View Insert Format Data Tools Extensions Help Last edit was on 20 April 2021

75% £ % .0 .00 123 Arial 10 B I A

						Date March												
						4	11	18	22	25	29	Flats reported	Reported flat size	Notes				
Type	Variety	Batch #	Flat size	Seeds/ cell	Seed depth													
Lettuce	One-cut Mix	1	50	1	1/8"	3.85												
Lettuce	New Red Fire	1	50	1	1/8"	2.25												
Tomato, GH	Cosmonaut Volkov-Graft	1	72	1	1/4"		0.15					0.50	15					
Tomato, GH	Cherokee Purple-Graft	1	72	1	1/4"		0.15					0.50	15					
Tomato, GH	Estamino F1-Graft	1	72	1	1/4"		0.30					1.00	15					
Kale	Darkibor F1	1	50	1	1/4-1/2"	1.75												
Lettuce	New Red Fire	2	50	1	1/8"		1.35											
Cherry Tomato, GH	Sakura F1	1	105	1	1/4"		1.16					6.75	15					
Cherry Tomato, GH	Esterina F1	1	105	1	1/4"		0.21					1.25	15					
Tea	Anise Hyssop	1	105	1	1/4-1/2"		1.43					3.89	36 seeds on layer of moist potting mix in the fridge (strat)					
Swiss Chard	Rainbow Chard	1	264	1	1/2"			2.00										
Scallions	Parade	1	72	6-8	1/4-1/2"		1.75											
Lettuce	One-cut Mix	2	50	1	1/8"			2.90										
Celeriac	Balena F1	1	300	1	1/8"			1.75				12.00	36					
Pepper/Hot Pepper	King of the North	1	105	1	1/4"			0.40				2.00	15					
Pepper/Hot Pepper	Ajvarski	1	105	1	1/4"			1.20				6.25	15					
Pepper/Hot Pepper	Ancho Poblano	1	105	1	1/4"			0.50				2.75	15					
Pepper/Hot Pepper	Early Jalapeno	1	105	1	1/4"			0.50				2.75	15					
Eggplant	Traviata	PS1	105	1	1/4"			0.13				12 pots	Split 18					
Pepper/Hot Pepper	Misc. Pepper	PS1	105	1	1/4"			2.38				226 pot	Split 18 see breakdown on May 29 Plant Sales					
Onion	Misc. Onion	PS1	105	6-8	1/8"-1/4"			0.26				25 pots	Split 18 8x Ailsa Craig, 17x Cortland, 3 seedlings/pot					
Scallions	Parade	2	72	6-8	1/4-1/2"					1.50								
Beets	Rhonda	1	264	1	1/2"					3.00								
Tomato, GH	Marbonne F1	1	105	1	1/4"					0.95	5.50		15					
Lettuce	Mirlo	1	50	1	1/8"					2.25								
Pac Choi	Shanghai Green	1	72	1	1/4"					2.00								
Parsley	Wega/Darki/Italian Flat	PS1	105	6-8	1/4"			0.29				27 pots	Split 18 15x Wega/Darki, 12x Italian Flat, 4 seedlings/pot					
Round Cherry	Goldie	PS1	105	1	1/8"-1/4"					0.34		32 pots	Split 18					

Production Records - Seedling Records

- Notes on Greenhouse seedlings
- Lives with the seeds goes to greenhouse during seeding



Type	Variety	Batch #	Flat size	Seedling cells	Seed depth	Date March					Firm Propagated	Repropagated Flat Size	Notes		
						4	11	18	22	25				29	
Lettuce	One-cut Mix	1	50	1	1/8"	3.85									
Lettuce	New Red Fire	1	50	1	1/8"	2.25									
Tomato, GH	Championaut Volkov-Graft	1	72	1	1/4"	0.15	✓					0.50	✓	15	→ 8 plants, no grafts
Tomato, GH	Cherokee Purple-Graft	1	72	1	1/4"	0.15	✓					0.50	✓	15	→ 5 plants, no grafts
Tomato, GH	Estimmo F1-Graft	1	72	1	1/4"	0.15	✓					1.00	✓	15	
Kale	Darkbor F1	1	50	1	1/4-1/2"	1.75									
Lettuce	New Red Fire	2	50	1	1/8"	1.35									
Cherry Tomato, GH	Sakura F1	1	105	1	1/4"	1.15									
Cherry Tomato, GH	Estimmo F1	1	105	1	1/4"	0.21									
Tea	Anise Hyssop	1	105	1	1/4-1/2"	1.43									
Swiss Chard	Rainbow Chard	1	264	1	1/2"										
Scallions	Parade	1	72	6-8	1/4-1/2"										
Lettuce	One-cut Mix	2	50	1	1/8"							2.90	✓		
Celery	Balena F1	1	300	1	1/8"							1.75	✓		
Pepper/Hot Pepper	King of the North	1	105	1	1/4"							0.48	✓		
Pepper/Hot Pepper	Apavski	1	105	1	1/4"							2.00	✓		
Pepper/Hot Pepper	Ancho Poblano	1	105	1	1/4"							6.25	✓		
Pepper/Hot Pepper	Early Jalapeno	1	105	1	1/4"							0.58	✓		
Pepper/Hot Pepper	Travata	PS1	105	1	1/4"							0.58	✓		
Pepper/Hot Pepper	Misc. Pepper	PS1	105	1	1/4"							0.13	✓		
Onion	Misc. Onion	PS1	105	6-8	1/8"-1/4"							2.38	✓		
Scallions	Parade	2	72	6-8	1/4-1/2"							0.26	✓		
Beets	Rhonda	1	264	1	1/2"							1.50	✓		
Tomato, GH	Marbonne F1	1	105	1	1/4"							3.00	✓		
Lettuce	Mito	1	50	1	1/8"							0.95	✓		
Pac Choi	Shanghai Green	1	72	1	1/4"							2.25	✓		
Parsley	Waga/Dark/Italian Flat	PS1	105	6-8	1/4"							2.00	✓		
Ground Cherry	Goldie	PS1	105	1	1/8"-1/4"							0.29	✓		
Thyme	Thyme	PS1	105	8	1/4"							0.34	✓		
Tea	Mountain Mint	1	105	Scatter	LC							0.22	✓		
												1.00	✓		
												2.75	✓		
												36.00	✓		

Scallions Parcel 0 72 6-8 1/4" 3.00
 Seeds Cindy 1 105 8 1/4" 4.00

0.21 ✓ 22 cells sanded, 5 germinated, check germ needs/rate

*germ on Marbonne not quite enough. Increase factor security. Used 5x Country taste to replace what was missing

Greenhouse Seedling Example

PLANNING

Year 1: Plant flowers in 72 cell trays for plant sales
Year 2: Plant flowers in 128 cell trays

EXECUTION

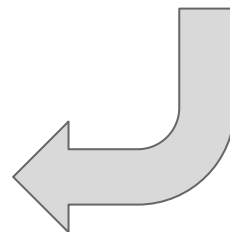
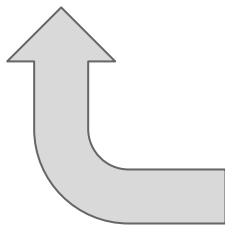
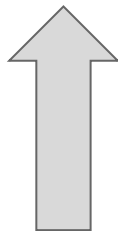
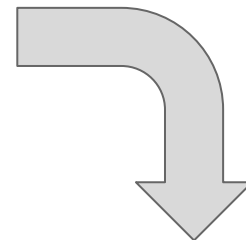
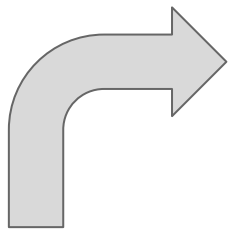
RECORDS/DATA

A

Year 1: Poor germination
Year 2: Great germination

SYSTEM IMPROVEMENT

Year 1: Soil mix? Watering? Heat?
Seed Quality? Etc.



Production Records - The Blue Binder

Field Planting Records

- Variety
- Tool Notes
- Spacing
- Seed Depth
- Bed Feet
- Notes



Field Good Farms Planting Schedule
2021

Culture	Space between rows	Tool Notes	Rows / bed	Space between plants, TP or DS	22-Mar	25-Mar	28-Mar	Notes
Brassicaceae								
Argula/non-lettuce greens		Brassicaceae						
FGF Bistro Mix	Every hopper	6RS at 1" spacing, hole B	12	DS - 14"		✓ 20(0)		MAR 25 if space avail. (CF) Mar 25
Astro	Every hopper	6RS at 1" spacing, hole B	12	DS - 14"			12 (1)	
Apiaceae								
Carrots		Apiaceae						
Napoli F1	6"	J - Plate M24; Gears: F14, R9	*5*	DS - 14"			100 (1)	Mar 30
Asteraceae								
Greens		Asteraceae						
Gourmet Lettuce Blend	Every hopper	6RS at 1" spacing, hole B	12	DS - 14"	32 (1)	✓		added more to fill bed space
Chic-Cut	6"		4	TP - 6"			✓ 20 (1)	APR 3 (to cut) per bed + 1 hopper later
Asteraceae								
Lettuce		Asteraceae						
New Red Fire	12"		3	TP - 12"			28 (1) 32 (1)	APR 9, for 2nd bed
Brassicaceae								
Radish		Brassicaceae						
French Breakfast	Every other hopper	6RS at 1" Spacing, hole B	6	DS - 12"		✓ 15 (1)		MAR 25
Amaranthaceae								
Spinach		Amaranthaceae						
Corvair F1	Every hopper	6RS at 1" spacing, hole B	12	DS - 14"			70 (1)	Mar 20
Uchida Tokyo Market			12	DS - 14"			20(0)	Mar 20

Production Records - The Blue Binder

CLINE HOODY
CORNWALL

96GH #1

SPRING/SUMMER

1ST PEPPERS 1 40' BALDWIN 1 30'
CORN 4 90' OCT 8
PEPPERS 1 90'
CORN 4 80' OCT 8
SQUASH ETC. 90'

MARIGOLD ETC. 90'
* FLEW TURTLES *
CORN 1 50'

96GH #2

SPRING/SUMMER

1ST PEPPERS 1 40' BALDWIN 1 30'
CORN 4 90' OCT 8
PEPPERS 1 90'
CORN 4 80' OCT 8
SQUASH ETC. 90'

MARIGOLD ETC. 90'
* FLEW TURTLES *
CORN 1 50'

2021

COMPOST + AMENDMENTS

See reverse for Amendments (Spring)

See reverse for Amendments (Spring)

SHRUBS
SALAD
CORN
(1/2)

COMPOST + AMENDMENTS

HT2

SPRING/SUMMER

OATS APRIL 6
+ PEAS
OATS APRIL 6
+ PEAS
OATS APRIL 6
+ PEAS

MARIGOLD 30' MAY 8

96GH #3

SPRING/SUMMER

1ST PEPPERS 1 40' BALDWIN 1 30'
CORN 4 90' OCT 8
PEPPERS 1 90'
CORN 4 80' OCT 8
SQUASH ETC. 90'

MARIGOLD ETC. 90'
* FLEW TURTLES *
CORN 1 50'

2021

COMPOST + AMENDMENTS

See reverse for Amendments (Spring)

See reverse for Amendments (Spring)

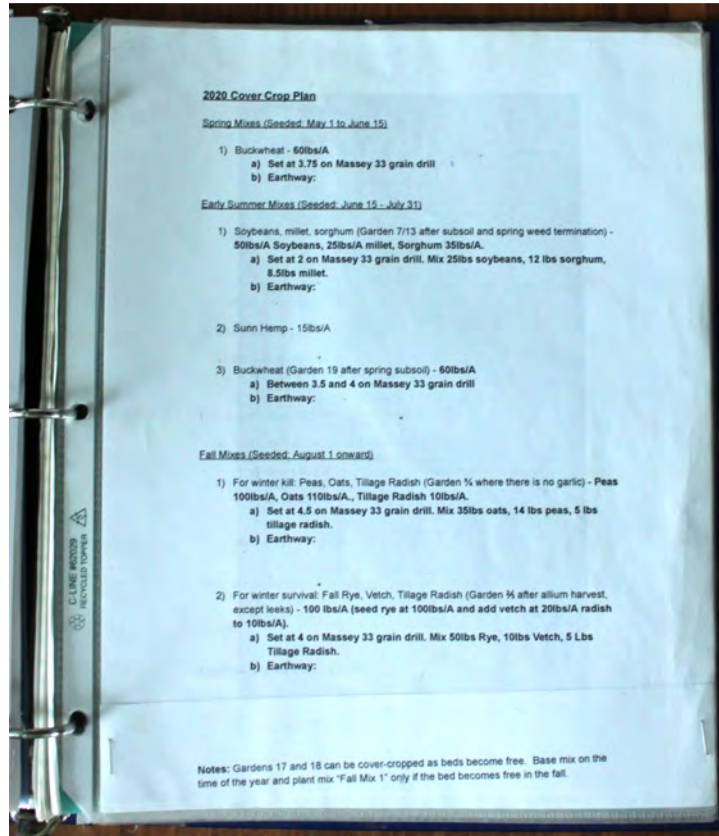
SHRUBS
SALAD
CORN
(1/2)

COMPOST + AMENDMENTS



Production Records - The Blue Binder

- Cover Crop Records



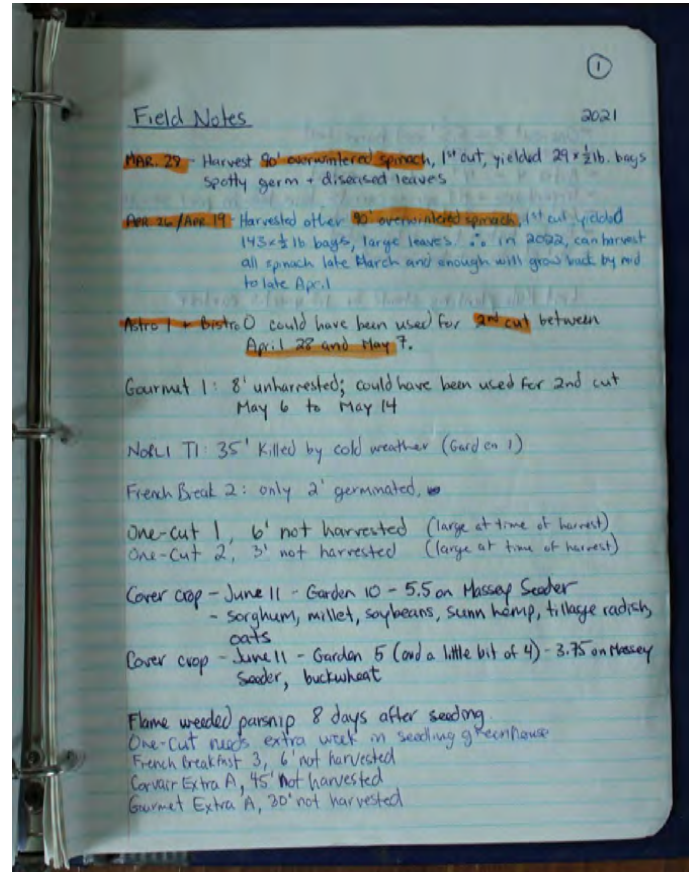
Production Records - The Blue Binder

- Compost Records
- Doesn't change future production
- Important due to food safety and/or organic certification records

Schedule	Records
Cow manure pile	① Turned May 14
Turn on May 8, 2020	② Temp = 60 F May 22
	③ Temp = 63 F May 31
Measure temperatures	④ Turned June 30
Turn again once temperatures of 155C have been reached for 4 consecutive days	⑤ Temp = 82 F July 2
Repeat two times until compost is finished	⑥ Temp = 91 F July 16
Tarp until use	
On-farm pile from 2019	① Turned May 14
Turn on May 8, 2020	② Temp = 104 F May 22
	③ Temp = 90 F May 31
Measure temperatures	④ Turned June 30
Turn again once temperatures of 155C have been reached for 4 consecutive days	⑤ Temp = 115 F July 2
Repeat two times until compost is finished	⑥ Temp = 113 F July 16
Tarp until use	

Production Records - The Blue Binder

- Field Notes/Observations
 - Which fields need help with fertility or weed management
 - Record of unharvested crops



Sales Records - Why?

- 1) Gross Revenue/Taxes
- 2) Yield by Crop
- 3) Future Sales Projections
- 4) Organic Certification
- 5) Traceability

Sales Records - CSA

Production Week

CSA Delivery

Contents

Quantity

Variety and Batch #

Take photo, e mail for records

FIELD GOOD FARMS
CSA HARVEST CHART

Week: Sept 6-12, 2020

VARIETY/BATCH #	Unit	NBCSA ⁽¹⁶⁾	WNCSA ⁽²⁰⁾
Napoli 3	Bunch	76 ^{✓✓}	20 ^{✓✓}
Improved Rainbow / One-cut 4	Bunch 1/16	7 ^{✓✓} 69 ^{✓✓}	20 ^{✓✓}
Rocombale Garlic 1	Head	76 ^{✓✓}	20 ^{✓✓}
Goldie 1	Pint	76 ^{✓✓}	20 ^{✓✓}
^{Siaglinde +} German Butter 1	2lbs	76 ^{✓✓}	20 ^{✓✓}
Parade 5	Bunch	76 ^{✓✓}	20 ^{✓✓}
Goldy / Dunja 1	Fruit	37 ^{✓✓}	(5)
6-Star / 4-Star 1	1/2pt	39 ^{✓✓}	-----
Delicata JS 1	Fruit	152 ^{✓✓}	40 ^{✓✓}
Marbonne / Hagold / Haraal	Fruit	27 ^{✓✓}	20 ^{✓✓}
Bortelgrestorina / Sakura 1	Pint	49 ^{✓✓}	-----

NOTES: Pay = 31 (1890) Pay = 31 (1890)
Isabelle = 12 OF = 2 Wn = 19 OF = 1



Sales Records - Market

Production Date

Which Market

Variety and Batch #

Unit and Cost

Inventory In, Inventory Out

Totals

Time sold out

NBFM Sales Records

Date: _____

Vegetable	Unit	\$	Variety & Batch #	Start Qty	End Qty	Qty Sold	Total \$
Arugula	1/4lb	3.00					
FGF Mix	1/4lb	3.00					
Basil	Bu	2.50					
Beans	Qt	5.00					
Beets	2lb bag	4.00					
	Bu	4.00					
Broccoli	Hd	4.50					
Cabbage	Hd-Red	3.00					
	Hd-Stor	6.00					
Carrots	2lb-MC	4.00					
	2lb-O	4.00					
	Bu-MC	3.00					
	Bu-O	3.00					
Cauliflower	Hd	6.00					
Chard	Bu	2.50					
Cilantro	Bu	2.00					
Cucumbers	Frt-Field	1.00					
	Frt-GH	2.50					
	Frt w6	4.00					
Dill	Bu (4)	2.00					
Fennel	Hd	2.50					
Garlic	Hd	2.50					
	Lb	15.50					
Garlic Scapes	1/4lb	3.00					
Greens	1/4lb	3.00					
Ground Cherry	HPl	2.50					
Kale	Bu	3.00					
Kohlrabi	Hd	3.00					
Leeks	Bu (4)	6.00					
Lettuce	Hd	3.00					
Melons	Frt	5.00					
Microgreens	45g bag	3.00					
Mint	Bu	2.00					
Onions	Lb	3.00					
	Bu (2)	3.00					
Oregano	Bu	2.00					
Pac Choi	Bg (3-4)	3.50					
Parsley	Bu	2.00					
Parsnip	Lb	2.50					
Patty Pan	Pt	3.00					



Sales Records - Wholesale (The White Binder)

Production Day

Product

Variety and Batch #

Unit

Quantity

Day Sold Out

POP Pick Lists

Jan 31 '22

Variety and Batch	Weight	Quantity	Price
Beans	2 LBS	17	5.25
Beans-BLK	20 lbs	2	42.5
Carrots - Sweet - Chopped	bag	3	8.9
Carrots (Chopped) - 2 Bk.	21.00	47	8.18
Carrots (Chopped) - Bulk (25kg)	25 lbs	4	10.5
Corn (Chopped) - Juicing/Processing	20lbs	1	28.25
Corn (Chopped) - 2 Bk.	1 lb	24	7.28
Corn (Hand-sown) - Juicing/Processing	20lbs	3	36.25
Corn	bag	5	5.49
Corn (Sweet)	8lb	50	2.63
Corn, Medium - Bulk		21	2.29
Corn, Processing Grade - 1 lb.	1 lb.	10	11.44
Microgreens (Pea)	box	18V	4.30
Microgreens (Sunflower)	box	24	4.39
Onions (White Cooking)	10 lb	4	25
Onions (White Cooking) - BULK 25 lbs	25lbs	2	40.98
Onions (Yellow Cooking)	10 lb	10	12.99
Potatoes (German Butter) - 10lb	10 lbs	7	24
Potatoes (German Butter)	5 LBS	8	12.9
Potatoes (Wentworth) - 20lb	20lb	13	6.29
Squash - Butternut - 10lb	Fruit	1	7.18
Squash - Delicata - 10lb	1 x squash	10	2.75
Squash - Delicata - 10lb	3 x squash	5	6
Squash - Sweet - 10lb	Fruit	13	3.05
Turnip - Rutabaga - 10lb		3	5.49
Tea - Loose Leaf - Oolong Tea		2	10.25
Tea - Loose Leaf - Earl Grey Tea	1lb	3	10.25
Tea - Loose Leaf - Fruit Tea		3	10.25
Tea - Loose Leaf - Earl Grey		3	10.25
10 lbs kung pao bags		3	2.75
Discrepancy from Dec 19 Delivery			
Oregano, dried		5	5.49
Carrots, Rainbow Bulk	25lbs	1	

Sales Records - Yield

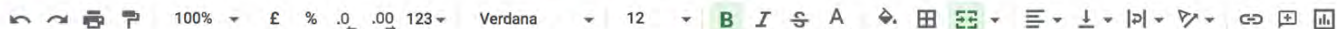


2021 Sales Summary and Profit_Loss by Crop

.XLSX



File Edit View Insert Format Data Tools Help Last edit was on 15 January



	A	B	C	D	E	F	G	H	I	J	K	L	M
1	2021 Sales Summary												
2													
4													
5	Vegetable	Unit	Total Units Produced	Retail Price	Total Retail Units	Retail \$ Total	WLS Price	Total WLS Units Sold	WLS \$ Total	Total Donations Produced	Donations and Gifts \$ Total	Total \$ Value per Crop	
6	Arugula	1/4 Lb	662	4.00	554	\$ 2,216.00	\$ 3.00	108	\$ 324.00	0	\$ -	\$ 2,540.00	
7	Basil	Bu	402	3.00	275	\$ 825.00	\$ 2.25	127	\$ 285.75	0	\$ -	\$ 1,110.75	
8	Beans	Qt	460	5.75	415	\$ 2,383.61	\$ 4.31	45	\$ 194.06	0	\$ -	\$ 2,577.67	
9	Beets	Lb	4029	2.50	2679	\$ 6,697.25	\$ 1.88	830	\$ 1,556.25	520	\$ 1,300.00	\$ 9,553.50	
10	Broccoli	Hd	197	5.00	173	\$ 865.00	\$ 3.75	24	\$ 90.00	0	\$ -	\$ 955.00	
11	Cabbage (red)	Hd	0	4.00	0	\$ -	\$ 3.00	0	\$ -	0	\$ -	\$ -	
12	Cabbage (storage)	Hd	335	8.00	265	\$ 2,120.00	\$ 6.00	70	\$ 420.00	0	\$ -	\$ 2,540.00	
13	Carrots	Lb.	7995	2.25	5555	\$ 12,497.63	\$ 1.69	1920	\$ 3,240.00	520	\$ 1,170.00	\$ 16,907.63	
14	Cauliflower	Hd	238	6.00	128	\$ 768.00	\$ 4.50	110	\$ 495.00	0	\$ -	\$ 1,263.00	
15	Celeriac	Hd	310	5.00	240	\$ 1,200.00	\$ 3.75	70	\$ 262.50	0	\$ -	\$ 1,462.50	
16	Chard	Bu	608	3.00	447	\$ 1,341.00	\$ 2.25	161	\$ 362.25	0	\$ -	\$ 1,703.25	
17	Cilantro	Bu	10	2.50	0	\$ -	\$ 1.88	10	\$ 18.75	0	\$ -	\$ 18.75	
18	Cucumbers-Field	Fr	672	1.00	523	\$ 523.00	\$ 0.75	149	\$ 111.75	0	\$ -	\$ 634.75	
19	Cucumbers-GH	Fr	80	2.50	40	\$ 100.00	\$ 1.88	40	\$ 75.00	0	\$ -	\$ 175.00	
20	Cucumbers-Snacking	Fr x 4	664	5.00	469	\$ 2,343.75	\$ 3.75	195	\$ 731.25	0	\$ -	\$ 3,075.00	
21	Dill	Bu	0	2.50	0	\$ -	\$ 1.88	0	\$ -	0	\$ -	\$ -	



Click Fork 2021 Product Sales

December 2021 Remaining Invento

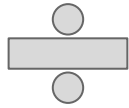
2021 WNFB Donations

2021 NBF B Donations

S

Sales Records - Yield

Total Units
Sold



Bed Feet
Planted



Units per Bed
Foot (Yield)

Sales Records - Yield

Field Good Farms Planning Schedule 2021

Culture	Species	Plant Name	Species	Plant Name	Start	End	Notes
Mediterranean Herbaceous	1489	at 17 opening	152	at 17 opening	15	206	1.07
	152	at 17 opening	152	at 17 opening	15	206	1.07
Tomato	152	at 17 opening	152	at 17 opening	15	206	1.07
Spiced Oil	152	at 17 opening	152	at 17 opening	15	206	1.07
Arugula	152	at 17 opening	152	at 17 opening	15	206	1.07
Broccoli	152	at 17 opening	152	at 17 opening	15	206	1.07
Cabbage	152	at 17 opening	152	at 17 opening	15	206	1.07
Carrots	152	at 17 opening	152	at 17 opening	15	206	1.07
Cauliflower	152	at 17 opening	152	at 17 opening	15	206	1.07
Celery	152	at 17 opening	152	at 17 opening	15	206	1.07
Chard	152	at 17 opening	152	at 17 opening	15	206	1.07
Cilantro	152	at 17 opening	152	at 17 opening	15	206	1.07
Cucumbers	152	at 17 opening	152	at 17 opening	15	206	1.07
Eggplant	152	at 17 opening	152	at 17 opening	15	206	1.07
Fennel	152	at 17 opening	152	at 17 opening	15	206	1.07
Garlic	152	at 17 opening	152	at 17 opening	15	206	1.07

Field Notes 2021

2021 Harvest Harvested all **Arugula** **Beets**, 1st cut, picked 21 1/2 bags. Spently given + delivered leaves.

2021 Harvest Harvested all **Arugula** **Beets**, 1st cut, picked 14 1/2 bags, large leaves 2 1/2 in diameter, can't harvest all, sprouts late March and usually with good luck by mid to late Apr.

2021 Harvest **Cucumbers** could have been used for **Arugula** between April 28 and May 7.

Garment 1: 8' unharvested; could have been used for 2nd cut May 6 to May 14

Note: TI 35" killed by cold weather (Garden 1)

French Brod 2: only 2 germinated.

One-cut 1, 6' not harvested (large at time of harvest)
One-cut 2, 3' not harvested (large at time of harvest)

Cover crop - June 11 - Garden 10 - 5.5m Massey Seeder
- sorghum, millet, soybeans, sun hemp, fava beans, clover
Cover crop - June 11 - Garden 5 (and a little bit of 4) - 3.7m Massey Seeder, buckwheat

Have wanted to prep 8 days after seeding
One-cut 2: extra week in seeding of **Arugula**
French brod 1, 3, 6' not harvested
Larder box A, 75' not harvested
Garment Extra A, 30' not harvested

Field Good Farms Yield and COP Comparative Data 2015-2021 .XLSX

File Edit View Insert Format Data Tools Help Last edit was seconds ago

75% £ % .0 .00 123 Times New... 11 B I A

Crop	Retail Price/Unit	2020						2021						2016-2021 Average Yield	2019-2021 Average Yield Per Bed Foot	
		Bed Feet Planted	Bed Feet Unharvested	Unit	Total Yield	Yield as Units per Bed Foot	\$/bed foot	Notes	Bed Feet Planted	Bed Feet Unharvested	Unit	Total Yield	Yield as Units per Bed Foot			\$/bed foot
3	Arugula \$4.00	346.7	50	1/4 Lb.	945	3.19	\$12.76								2.37	2.65
4	Basil \$3.00	96.86	10	Bunch	292	3.36	\$10.08								3.76	4.11
5	Beans \$5.75	825	400	Quart (~400g)	1054	2.48	\$14.26	Timely picking + irrigation							1.15	1.60
6	Beets \$2.50	911	147	Lb.	2745	3.59	\$8.98		1069.87	170	Lb.	4029	4.48	\$11.20	2.91	3.62
7	Broccoli \$5.00	499.5	15	Head	293	0.6	\$3.00	FLRP Broccoli + batch 1 loss	246		Head	197	0.8	\$4.00	0.84	0.91
8	Cabbage (red) \$4.00	213	116	Head	63	0.65	\$2.60	Quite variable in field, seed vigor?	0		Head	0	#DIV/0!	#DIV/0!	1.09	1.08
9	Cabbage (storage) \$8.00	265	0	Head	212	0.8	\$6.40		406		Head	335	0.83	\$6.64	0.78	0.84
10	Carrots \$2.25	1654	0	Lb.	7758	4.69	\$10.55		2135	300	Lb.	7995	4.36	\$9.81	3.73	4.08
11	Cauliflower \$6.00	342	0	Head	249	0.73	\$4.38		378		Head	238	0.63	\$3.78	0.61	0.67
12	Celery \$5.00	104.17	0		192	1.84	\$9.20		203			310	1.53	\$7.65	1.73	1.73
13	Chard \$3.00	34	0	Bunch	490	14.41	\$43.23		48		Bunch	608	12.67	\$38.01	7.14	10.73
14	Cilantro \$2.50	80	25	Bunch	1	0.02	\$0.05		12		Bunch	10	0.83	\$2.08	1.86	1.45
15	Cucumbers-Field \$1.50	0	0	Fruit	0	#DIV/0!	1		181		Fruit	672	3.71	\$5.57	7.23	3.71
16	Cucumbers-GH \$2.50	20	0	Fruit	93	4.65	\$11.63		12		Fruit	80	6.67	\$16.68	8.52	4.90
17	Cucumbers-Snack \$5.00	171.25	0	Fruit x 4	439	2.56	\$12.80		148		Fruit x 4	664	4.49	\$22.45	3.19	3.79
18	Dill \$2.50	15	15	Bunch	0	#DIV/0!	1		0		Bunch	0	#DIV/0!	#DIV/0!	4.62	#DIV/0!
19	Eggplant \$2.50	51	0	Fruit	27	0.53	\$1.33		20		Fruit	21	1.05	\$2.63	0.79	0.79
20	Fennel \$3.00	28	0	Head	64	2.29	\$6.87		66		Head	127	1.92	\$5.76	2.33	2.33
21	Garlic \$7.50															

+ Yields 2015-2021 Yield Notes Yields COP 2016-2018

Cost of Production Records

EFAO COP Spreadsheet 2016

File Edit View Insert Format Data Tools Add-ons Help All changes saved in Drive

100% £ % .0 .00 123 Arial 10 B I U A

fx =16.68*(176/60)

6	Crop Year:	2016	Crop:	Arugula/Non-Lettuce Greens: 1/4 lbs.	Unit Area:	7 x 100' beds	Note: Seventy 100' beds = 1 acre
7					Bed feet:	873	1/10A factor 0.80
8	Today's Date:		Rows per bed & plant spacing:		Field:	5 rows/bed, 5' apart	
9	Costs in \$:	Remember to prorate to unit area					
10		\$	\$	\$			
11	Prepare Soil:	Labour cost	Machinery cost	Product cost	NOTES:		
12	Equipment Maintenance	10.44					
13	Kubota Rototilling:	25.24	16.27				
14	Kubota Plowing	12.38	6.28				
15	Kubota S-Tine	4.13	2.88				
16	Kubota Chisel Plow	0.00	0.00				
17	Kubota Manure Application	8.25	7.13				
18	Kubota Bush Hog	0.00	0.00				
19	Kubota Manure Turning	1.46	0.85				
20	Kubota Mulch Applicator						
21	Honda Tiller Bed Prep	6.55	3.93				
22	Honda Tiller Maintenance	2.67					
23	Honda Tiller Weed Control	1.21	0.73				
24	Weedwhacker	0.49	0.14				
25	Other						
26	Plastic mulch (by hand)						
27							
28	Seed/Transplant:						
29	Seeding in field	48.93		80.00			
30	Cost of transplants						
31	Transplanting labor						
32							
33	Cultivation:						
34	Row Cover	8.34		28.72			
35	Insect Netting	97.58		225.76			
36	Hand weeding 1	45.31					
37	Hand weeding 2	4.17					
38	Hand weeding 3						
39	Straw mulch						
40	Irrigating	21.36					
41	Tractor cultivating 6x						
42	Weed whack						
43	Spraying						

SEED: ARUGULA/MILD MUSTARD 1. =176m

May 17 9:56-10:16, 30m
 May 23 8:12-9:00, 48m
 June 1 11:25-12:05, 40m
 June 8 7:00-7:45, 45m
 June 14 9:00-9:19, 19m
 June 21 1:10-1:30, 20m
 June 29 7:00-7:04, 4m
 " 7:16-7:30, 14m
 July 6 11:20-11:55, 35m
 July 12 2:48-3:01, 13m

July 22, 3:17-3:37, 20m
 July 28, 6:43-7:00, 17m
 Aug. 2, 11:25-11:35, 10m
 Aug. 10, 1:50-2:10, 20m
 Aug. 17, 11:25-11:49, 24m
 Aug. 25, 2:05-2:38, 33m
 Aug. 30, 11:38-12:15, 37m
 Sept. 8, 11:00-11:30, 30m
 Sept. 15, 1:13-1:46, 33m
 Sept. 21, 2:45-3:05, 20m

Income/Expense Plan

Master Budget 2022 ☆ 📄 ☁

File Edit View Insert Format Data Tools Extensions Help [Last edit was 4 days ago](#)

100% £ % .0 .00 123 Arial 10 B I S A

Field Good Farms / Ferme j'me champ bien Farm Operating Budget 2022				Split between farm and personal			
INCOME				2022			
CSA SHARES							
Winter	4 months/monthly (Jan-April)	\$350.00 /share	40 shares	\$14,000.00			
Spring	8 weeks/bi-weekly (4 deliveries, May-June)	\$140.00 /share	60 shares	\$8,400.00			
Summer	13 weeks/weekly (13 deliveries, July-Sept)	\$430.00 /share	88 shares	\$37,840.00			
Fall	10 weeks/bi-weekly (5 deliveries, Oct-Dec)	\$375.00 /share	70 shares	\$26,250.00			
ON-FARM SALES				Wholesale	\$125.00 /week	52 weeks	\$6,500.00
ONLINE ORDERS				Click Fork	\$1,825.00 /delivery	13 deliveries	\$23,725.00
PLANT SALES					\$3.25 /plant	1,800 plants	\$5,850.00
VALUE ADDED				tea and medicinals	\$7.45 /bag	500 bags	\$3,260.00
EGGS				30 chickens	\$108.50 /week	39 weeks	\$4,231.50
DELIVERY							
Urban	Winter	\$6.00 /delivery	120 deliveries	\$720.00			
Rural		\$9.00 /delivery	40 deliveries	\$360.00			
Urban	Spring	\$6.00 /delivery	160 deliveries	\$960.00			

+ ☰ 4 Farm Budget 4 Personal Budget GH Breakdown CCA Depreciation



Income/Expense Records



Income:

- Cash
- Etransfer
- Cheques

Expense:

- Receipts
- Debit, Cash,
Cheque,
VISA,
Etransfer



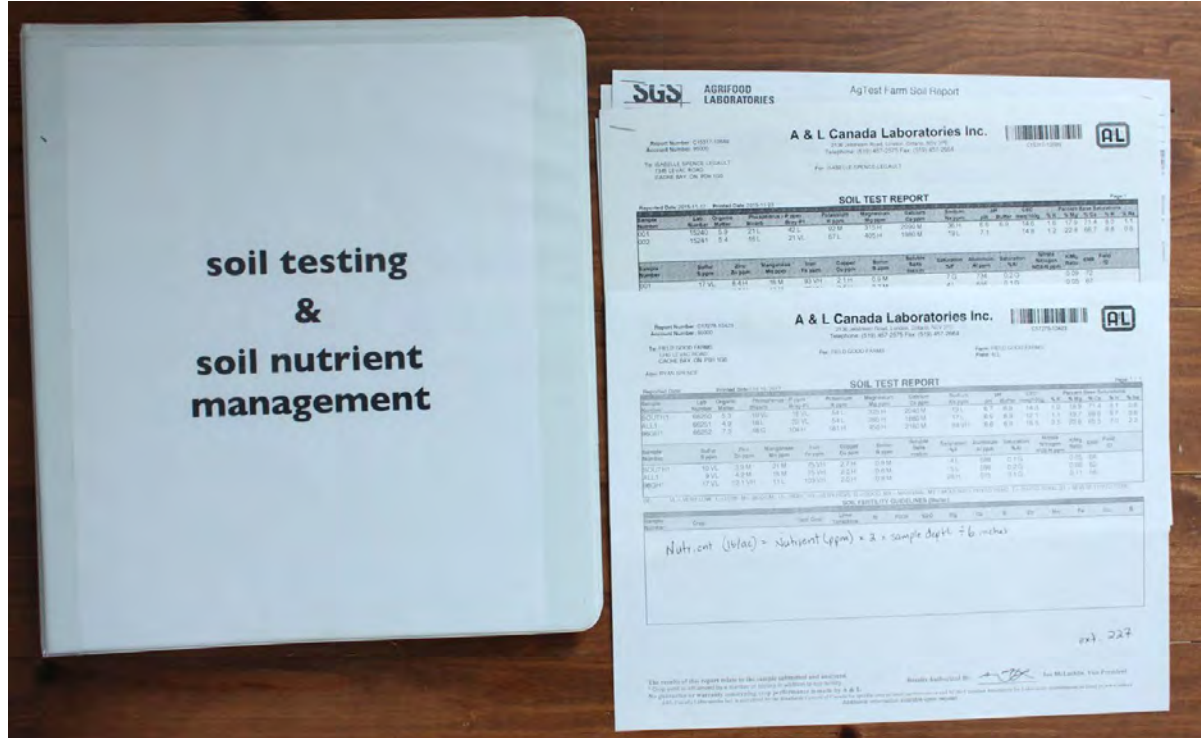
Income/Expense Records



- Compare projection to actual (income, expenses, labour requirements)
- Taxes (HST, Income taxes)
- Grants

Environmental Records

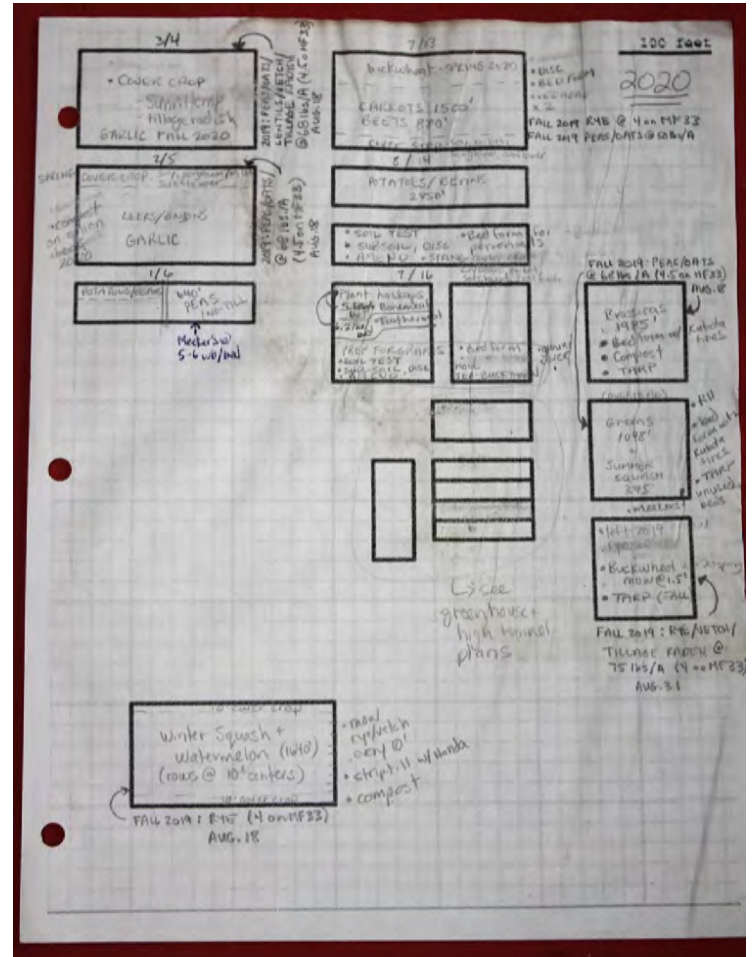
- Soil Tests





Environmental Records

- Compost/
Amendments:
application date,
rate, and garden plot
- Food Safety
- Organic Certification



Environmental Records

- Water Tests (free)
- Food safety

1 of 1
Near North Laboratories Inc. Environmental Services
1381 LEVAC ROAD, CADIZ OH 44201
1-800-333-3333
www.nearnorthlab.com
www.environmentalservices.com

Statement of Analytical Results - Final Job 56355

Field Good Farms

Field Good Farms
Field Operator: Isabelle Lopez
1381 LEVAC ROAD, CADIZ OH 44201

Lab ID: 125073
Collection Date: 2012 Feb 07
Time: 11:50
Site Name: Rice Water
Description: Rice Water
Ref: 101982

Criteria Not Registered
Sampler: Ryan Serrano
Report Period: 2012 Feb 02 to 15

Criteria	Measured	2012 Feb 02 to 15	Criteria	Method	Method	Completed Analyzed
Height (ft)	Turn Around	10 Day	MDL	Units		
of Analytical						
Operational						
(AO) Limits						
ppm						
(%)						
Alkalinity, total ¹	209	-	-	-	-	-
Alkalinity, phenolphthalein	<0.75	-	-	-	-	-
Appearance	cloudy (A)	-	-	-	-	-
Ascaricides	200.65	-	-	1.0	mg/L	Titration 2012 Feb 02 15
Calcium, total ²	28	-	-	0.05	mg/L	ICP/MS 2012 Feb 02 15
Carbonate	<1.0	-	-	1.0	mg/L	Calculation 2012 Mar 07 31
Chloride ³	7.41	-	-	250 (AO)	0.020	mg/L IC 2012 Feb 02 15
Conductivity ⁴	412	-	-	0.17	uS/cm	Autoprobe 2012 Feb 02 15
Copper, total ⁵	0.0195	-	-	1.0 (AO)	0.003	mg/L ICP/MS 2012 Feb 02 15
Hardness, total	121	-	-	80 (AO)	0.02	mg/L Calculation 2012 Feb 02 15
Hardness	<1	-	-	1.0	mg/L	Calculation 2012 Mar 07 31
Iron, total ⁶	1.3	-	-	0.30 (AO)	0.2	mg/L ICP/MS 2012 Feb 02 15
Langmuir Index	0.888	-	-	-	-	-
Lead, total ⁷	0.0026	-	-	0.01 (H)	0.001	mg/L ICP/MS 2012 Feb 02 15
Magnesium, total ⁸	12.4	-	-	0.00 (AO)	0.001	mg/L ICP/MS 2012 Feb 02 15
Manganese, total ⁹	0.0061	-	-	10.0 (H)	0.020	mg/L IC 2012 Feb 02 15
Nitrate (as N) ¹⁰	<0.026	-	-	1.0 (H)	0.004	mg/L IC 2012 Feb 02 15
Nitrite (as N) ¹¹	<0.004	-	-	10.0 (H)	0.001	mg/L IC 2012 Feb 02 15
Nitrate + nitrite (as N) ¹²	<0.025	-	-	10.0 (H)	0.001	mg/L IC 2012 Feb 02 15
pH ¹³	7.88	-	-	6.5 to 8.5 (AO)	-	Probe 2012 Feb 02 15
pH sat	7.69	-	-	-	-	-
Phosphate, total ¹⁴	6.83	-	-	0.1	mg/L	ICP/MS 2012 Feb 02 15
Sulfate, total ¹⁵	42.2	-	-	200 (AO)	0.1	mg/L ICP/MS 2012 Feb 02 15
Sulphate ¹⁶	8.61	-	-	500 (AO)	0.024	mg/L IC 2012 Feb 02 15
Total coliform ¹⁷	>100	-	-	0 (H)	0	cfu/100mL Membrane Filteration

© 2012 Mar 07 14:50 This document may be copied using it in entirety. Accuracy cannot be guaranteed for the service listed. Job 56355

NON COMPLIANCE & TESTS

NO.

Technical Records

Tool and Machine Settings

**Field Good Farms Planting Schedule
2021**

Culture	Space between rows	Tool Notes	Rows / bed	Space between plants, TP or DS	22-Mar	25-Mar	29-Mar	Notes
Arugula/non-lettuce greens		Brassicaceae						
FGF Bistro Mix	Every hopper	6RS at 1" spacing, hole B	12	DS - 1/4"		20(0) ✓		MAR 25 if space avail. (CF)
Astro	Every hopper	6RS at 1" spacing, hole B	12	DS - 1/4"		12(1) ✓		Mar. 25
Carrots		Apiaceae						
Napoli F1	6"	J - Plate: MJ24; Gears: F14, R9	*5*	DS - 1/4"			100(1) ✓	Mar. 30
Greens		Asteraceae						
Gourmet Lettuce Blend	Every hopper	6RS at 1" spacing, hole B	12	DS - 1/4"	32(1) ✓			added more to fill bed space
One-Cut	6"		4	TP - 6"			20(1) ✓	APR 3, (low row), per bed + put in plants later.
Lettuce		Asteraceae						
New Red Fire	12"		3	TP - 12"			28(1) ✓ 32(1) ✓	APR 4, too cold before
Radish		Brassicaceae						
French Breakfast	Every other hopper	6RS at 1" Spacing, hole B	6	DS - 1/2"		15(1) ✓		MAR 25
Spinach		Amaranthaceae						
Corvair F1	Every hopper	6RS at 1" spacing, hole B	12	DS - 1/4"			70(1) ✓	Mar. 30

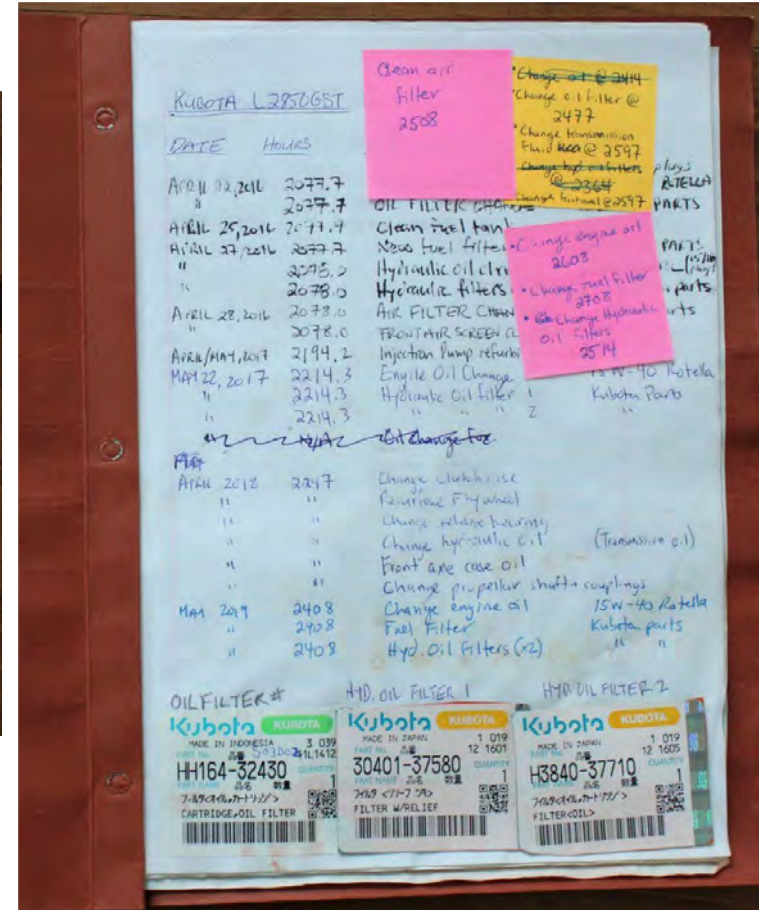
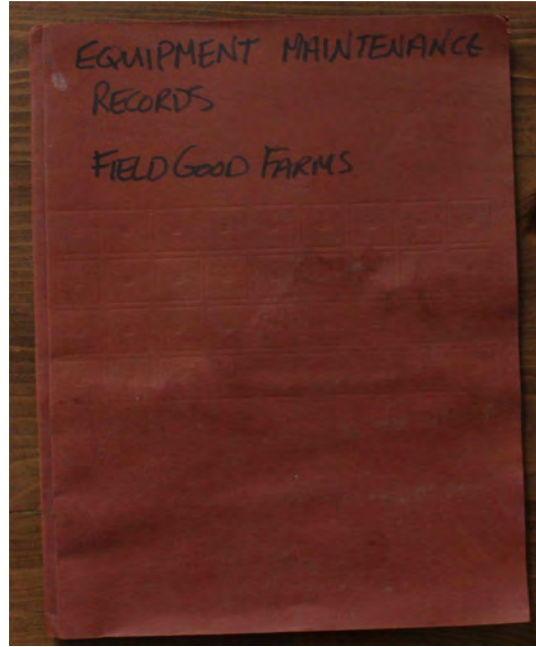
Turkey
Tahyo Market

6RS @ 1" spacing 12 DS - 1/4" hole A

20(1) ✓ Mar. 30

Technical Records

Tool and Machine Maintenance



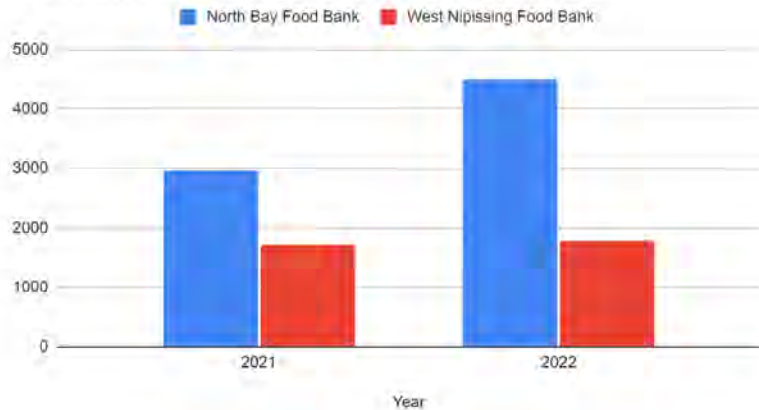
Telling our Story...



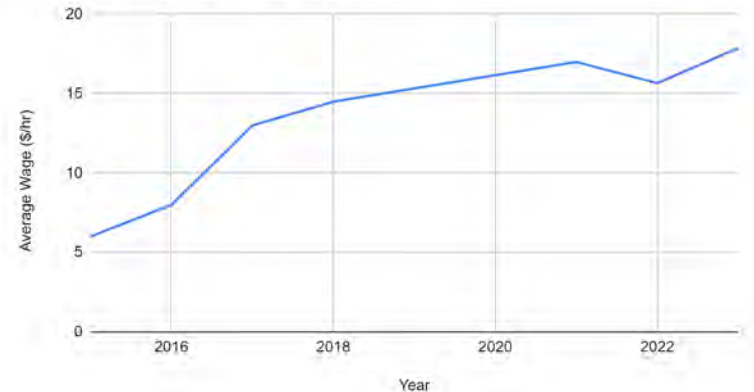


Social and Environmental Success

North Bay Food Bank and West Nipissing Food Bank



Average Wage (\$/hr) vs Year



Work 7-4, Monday to Friday, May-October;
8-3:30 Monday to Friday, November-April

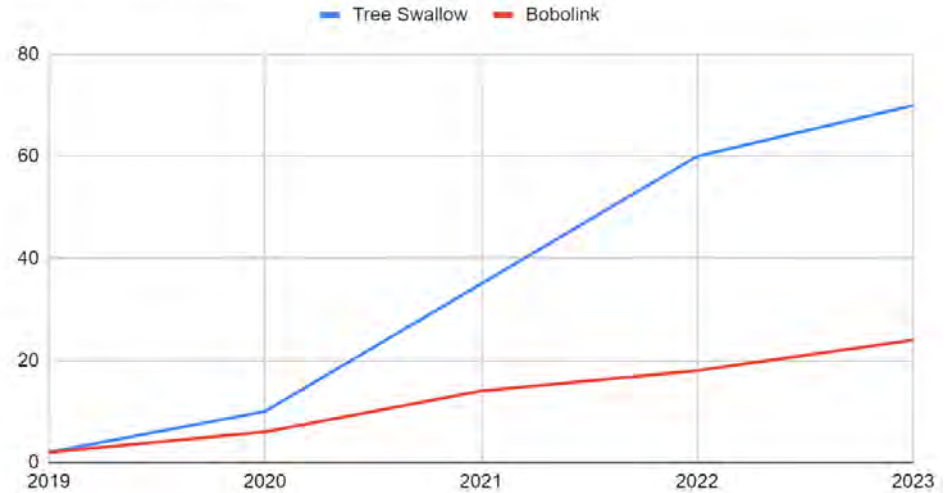
All full-time employees work 4 day weeks



Social and Environmental Success



Tree Swallow and Bobolink



Alternative Record Keeping Systems

Tend (pay service/year)

Farmlite (opensource)

COG-Pro

VeggieTables

And more ...

Thank-you!

Q & A time :)