

# CAFO Annual Compliance Report

version 1.0

(Submission #: HQA-D5VJ-17VVK, version 1)

## Details

Submission Alias      Adventure Dairy  
Originally Started By   MICHAEL CONTESSA  
Alternate Identifier      NYA00E512  
Submission ID            HQA-D5VJ-17VVK  
Status                    Draft

## Form Input

### Section I: Facility Information

This Annual Compliance Report is for the following date range:  
Calendar Year (January-December)

DEC SPDES ID No.  
NYA00E512

Owner/Operator Name

Owner/Operator Contact Information

| Owner/Operator Contact Name | Phone Number | Email |
|-----------------------------|--------------|-------|
|                             |              |       |

Facility/Farm Name  
Adventure Dairy

AEM Certified Planner Name  
Eric Bever

Is this facility in the process of termination or sale and no longer has animals or nutrients remaining on the premises?  
No

## **Section II: Type and Number of Animals**

Report the ACTUAL MAXIMUM number of each type of animal that were confined at this facility at any one time for the past year.

| Animal Type                         | Total Number in Confinement | Total Number Planned for in the CNMP |
|-------------------------------------|-----------------------------|--------------------------------------|
| Mature Dairy Cattle (milked or dry) | 490                         | 490                                  |
| Dairy Heifers                       | 290                         | 290                                  |
| Other Cattle                        | 30                          | 30                                   |

## **Section III: Nutrient Management**

1. Provide the estimated amount of manure, litter, and process wastewater that was generated at this facility in the reporting period covered by this report:

a) Amount of liquid manure generated in the reporting period covered by this report (gallons)  
4041144

b) Amount of litter, dry or solid manure generated in the reporting period covered by this report (tons)  
4099

c) Amount of process wastewater generated and collected in the reporting period covered by this report (gallons)  
805152

2. Provide the amount of liquid manure/process wastewater and litter, dry or solid manure (including digestate) that was exported during this reporting period:

a) Amount of liquid manure/process wastewater exported in the reporting period covered by this report (gallons)  
0

b) Amount of litter, dry or solid manure exported during this reporting period (tons)  
0

3. Total amount of nutrients (e.g., manure, litter, process wastewater, food wastes, digestate, etc.) imported during this reporting period (gallons or tons, do not include commercial chemical fertilizers or lime or imported feedstocks).  
0

4. Is there a third party owned/operator digester onsite?  
No

5. Report the total land application acres that are covered by this facility's Comprehensive Nutrient Management Plan (CNMP) (i.e. the total spreadable acres). Include all land application acres covered by the nutrient management plan, whether or not they were used for land application during the reporting period covered by this report (acres).

983

6. Report the total number of acres of land where manure, litter, process wastewater, digestate, or other nutrients that were generated at or imported to this facility were spread. Do not include land that received nutrients meeting the definition of "export" (i.e. land applications not under control of the CAFO) (acres).

759

7. Did the farm utilize a defoaming agent in the storage or when land applying?  
No

#### **Section IV: Record Keeping & Instances of Non-Compliance**

1. During the reporting period has your facility complied with the following recordkeeping requirements:

a) Records of precipitation events in excess of 0.3 inches?  
Yes

b) Records of weather conditions at the time of application and for 24 hours prior to and following application including actual precipitation and forecasted conditions?  
Yes

c) Weekly inspections of depth readings for any open liquid storage structures?  
Yes

d) Weekly inspections of all stormwater diversion devices?  
Yes

e) Records of handling and disposing of mortalities?  
Yes

f) Records of all land application of manure, litter, food processing waste, digestate, and process wastewater?  
Yes

g) Annual check of all waste transfer system valves/shut offs?  
Yes

h) Records of manure application equipment inspection and calibration?  
Yes

i) Records of Planner On-Site CNMP Review?  
Yes

j) Records of all non-farm generated waste?  
N/A

k) Records associated with Anaerobic Digester (if applicable)?  
N/A

If no to any of the above, please provide additional details including the cause of noncompliance and corrective actions taken to ensure compliance with these requirements:

NONE PROVIDED

2. During the reporting period have Operation and Maintenance (O&M) deficiencies for structural practices been identified?  
No

3. During the reporting period has your facility:

a) Applied manure, litter or process wastewater either at or below planned application rates provided in the CNMP?  
Yes

b) Obtained required soil tests?  
Yes

c) Obtained required nutrient source analyses (e.g. manure, process wastewater, digestate, etc.)?  
Yes

If no to any of the above questions, please provide additional details including field specific information (if applicable), cause of noncompliance and corrective actions taken to ensure future compliance with these requirements or attach the submitted incident report, if applicable:

NONE PROVIDED

4. During the reporting period have there been any additional instances of non-compliance which have not already been reported to the Department and are on-going as of the date this report was submitted?  
No

If yes to above question, please describe the information requested, as necessary, below.

- a) Description of non-compliance and its cause.
- b) The period that the non-compliance began and the anticipated date the non-compliance will cease.
- c) Description of the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the non-compliance.

Description

NONE PROVIDED

**Section V: Annual Compliance Certification**

1. Did this facility discharge Non-Contact Cooling Water associated with their milk production operation?  
No

2. Were waste transfer systems (extending beyond the production area and having a mechanical component) manned while actively transferring material?  
N/A

3a. Do you know of a storage overflow during the last reporting period?  
No

3b. Do you know of any discharge of your CAFO's process wastewater during the last reporting period?  
No

4. During the reporting period were there any changes in design, construction, operation (e.g. bunk/feed storage expansion, addition of NCCW discharge) or maintenance of your facility, where such changes have a significant effect on the amount, storage or disposal of manure, litter or process wastewater by the CAFO facility?  
No

5. Did the CAFO add any farmsteads/satellite facilities associated with this operation during this reporting period?  
No

**Section VI: CNMP Structural Practice Inventory & Completion Schedule (1 of 1)**

Facility/Farmstead Name:  
Adventure Dairy Farm

Facility/Farmstead Address  
21 DOG HOLLOW RD  
BOMBAY, NY 12914

Facility/Farmstead Coordinates

Structural Practices Table

| Unique identifier (1) | BMP Name and NRCS Standard (2)     | BMP Description (3)           | BMP Description (3) | Is the storage structure: | Predominate manure type in storage? | BMP design volume (gallons/tons) (4) | Required, Replacement, Upgrade, Repair, or Enhancement (5) | Equivalent Protection provided? (6) | Date of Certification or Estimated Completion Date (7) |
|-----------------------|------------------------------------|-------------------------------|---------------------|---------------------------|-------------------------------------|--------------------------------------|--|-------------------------------------|--|
| Slurrystore           | Waste Storage Facility – NY 313    |                               | Structural          | Uncovered                 | Unseparated liquids                 | 406000                               | Required   | N/A                                 | 10/31/1982   |
| EWSF                  | Waste Storage Facility – NY 313    |                               | Earthen, clay-lined | Uncovered                 | Unseparated solids                  | 1170300                              | Required   | N/A                                 | 12/01/2020   |
| VTA                   | Vegetated Treatment Areas – NY 635 | Leachate Collection/Treatment |                     |                           |                                     | 0                                    | Required   | N/A                                 | 09/16/2019   |
| CWSF                  | Waste Storage Facility – NY 313    |                               | Structural          | Uncovered                 | Unseparated liquids                 | 1175900                              | Required   | N/A                                 | 12/01/2024   |

## Section VII: Implementation Status

Are all practices required by the CNMP fully implemented?  
Yes

## Section VIII: Certifications

### CNMP Certification

Please upload the CNMP Certification signed by the AEM certified planner. The CNMP Certification form can be found using the link below:  
[CNMP Certification \(PDF\)](#)

### CNMP Certification

Comprehensive Nutrient Management Plan (CNMP) Certification.pdf - 03/20/2024 09:26 AM

Comment

NONE PROVIDED

Owner/Operator Certification

Please upload the Owner/Operator Certification signed by the Legally Responsible Party for the CAFO. The Owner/Operator Certification form can be found using the link below:  
[Owner/Operator Certification \(PDF, 223KB\)](#)

**Owner/Operator Certification**

Owner Operator Certification SPDES General Permit.pdf - 03/20/2024 09:26 AM

**Comment**  
NONE PROVIDED

**Attachments**

| Date              | Attachment Name   | Context    | User             |
|-------------------|---|------------|------------------|
| 3/20/2024 9:26 AM | Owner Operator Certification SPDES General Permit.pdf           | Attachment | MICHAEL CONTESSA |
| 3/20/2024 9:26 AM | Comprehensive Nutrient Management Plan (CNMP) Certification.pdf | Attachment | MICHAEL CONTESSA |

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**Division of Water**

625 Broadway, Albany, New York 12233-3500

P: (518) 402-8233 | F: (518) 402-9029

[www.dec.ny.gov](http://www.dec.ny.gov)

**Owner/Operator Certification**

State Pollutant Discharge Elimination System (SPDES)  
General Permits (GP-0-22-001) for  
Concentrated Animal Feeding Operations (CAFOs)

**INSTRUCTIONS:**

This form shall be used to certify that the Owner/Operator for the CAFO operation identified below has reviewed the information included on the nForm identified in Section I and that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

**SECTION I:** This certification is for the following nForm:

- ☐ Request to Continue Coverage
- ☐ Notice of Intent
- ☐ Change of Operation
- ☒ Annual Compliance Report

Date of nForm Submission 3/10/2024

**SECTION II: FACILITY INFORMATION**

DEC SPDES ID No. (If previously assigned by DEC) NYA000E512

Name of CAFO Facility [REDACTED]

Address of CAFO Facility 21 Dog Hollow Road, Bombay NY 12914

Name of Owner/Operator [REDACTED]

AEM Certified Planner Name Eric Bever

**SECTION III: OWNER/OPERATOR CERTIFICATION:**

To the best of my knowledge, the Comprehensive Nutrient Management Plan (CNMP) that has been developed for this operation is in full conformance with the requirements of the New York State Pollutant Discharge Elimination System General Permit for Concentrated Animal Feeding Operations (CAFOs).

I certify under penalty of law that I am the owner/operator of this CAFO. As the owner/operator of this CAFO, I am responsible for implementation of the CNMP and compliance with the requirements of the New York State Pollutant Discharge Elimination System (SPDES) General Permit for CAFOs.

I certify under penalty of law that this form and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

[Redacted Signature]

3-10-25

Name (print)

Signature

Date

# ACR 00 Certification

Final Audit Report

2025-03-10

|                 |   |
|-----------------|---|
| Created:        | 2025-03-10                                  |
| By:             | Kevin Compeau (kevin@champlainvalleyag.com) |
| Status:         | Signed                                      |
| Transaction ID: | CBJCHBCAABAARINFUVd5sJoxwvyUEwBAFLu0wsFNiW  |

## "ACR 00 Certification" History

 Document created by Kevin Compeau (kevin@champlainvalleyag.com)  
2025-03-10 - 2:19:18 PM GMT

 Document emailed to [redacted] for signature  
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2025-03-10 - 4:30:12 PM GMT

 Signer [redacted] entered name at signing as [redacted]  
2025-03-10 - 4:31:33 PM GMT

 Document e-signed by [redacted]  
Signature Date: 2025-03-10 - 4:31:35 PM GMT - Time Source: server

 Agreement completed.  
2025-03-10 - 4:31:35 PM GMT

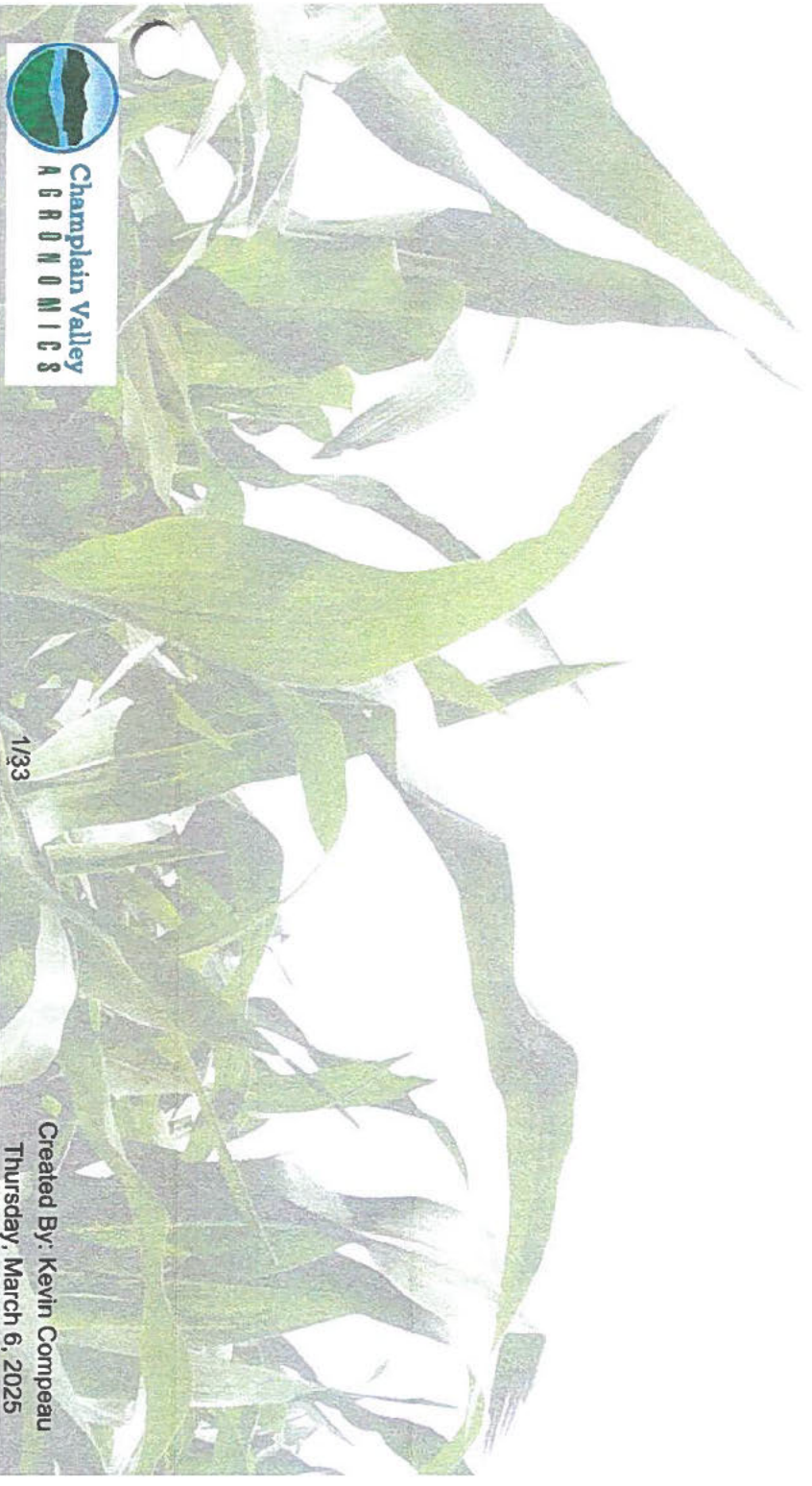


Adobe Acrobat Sign



# 2025 Crop Planner

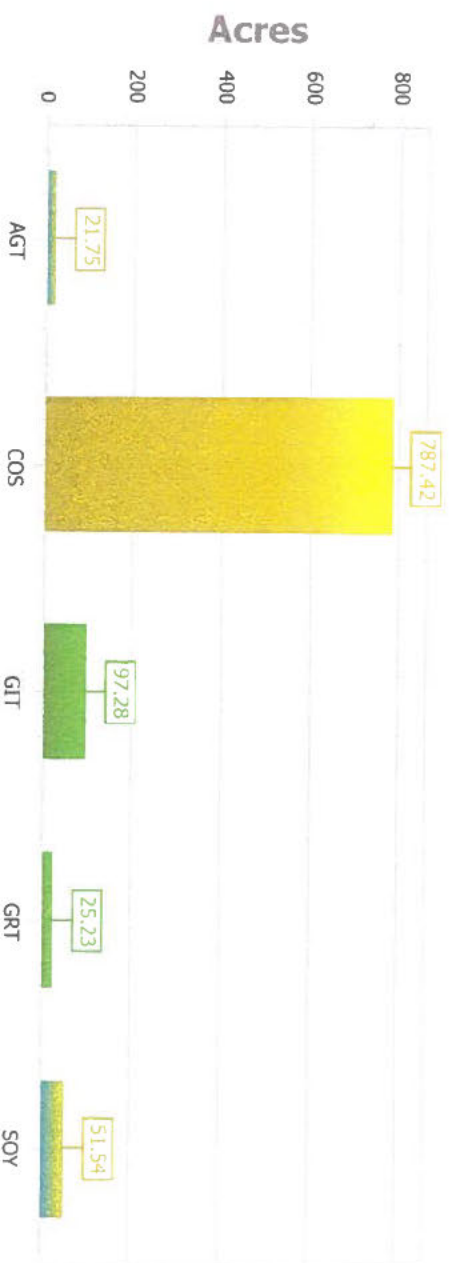
*Prepared by: Champlain Valley Agronomics Inc.*



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## Planned Crop Chart



## Treatment Totals

| Type       | Treatment        | Acres | Fields | Total     | Unit    |
|------------|------------------|-------|--------|-----------|---------|
| Fertilizer | 32% UAN          | 971.1 | 52     | 21,163    | Gallons |
|            | 5-10-40          | 51.5  | 2      | 3         | Tons    |
|            | Ammonium Sulfate | 55.7  | 5      | 3         | Tons    |
|            | Potash           | 59.9  | 3      | 4         | Tons    |
|            | Triple 18        | 731.7 | 28     | 38        | Tons    |
| Manure     | Urea             | 21.8  | 2      | 1         | Tons    |
|            | Calves           | 32.3  | 2      | 65        | Tons    |
|            | Cow Barn         | 818.7 | 42     | 4,584,940 | Gallons |
|            | Heifer Barn DS   | 129.4 | 10     | 406,720   | Gallons |
|            | Slurry Store     | 200.6 | 12     | 717,295   | Gallons |

**Notes:** \* *Italicized text indicates that a treatment has already been applied.*



Champlain Valley  
Agronomics

## Planned Crop Detail

Farm Name

Field Name

Planned Crop

Acres

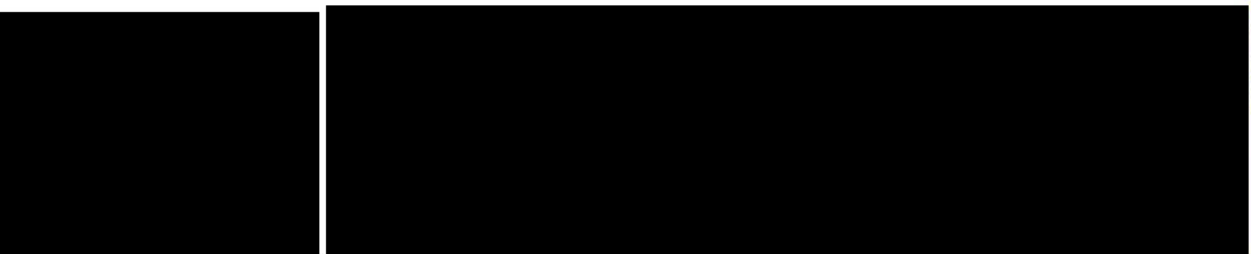
### AGT Alfalfa-Grass Mix - Established



|                     |      |      |
|---------------------|------|------|
| Back hill on Rickys | AGT5 | 9.8  |
| The hill on Rickys  | AGT5 | 12.0 |

Total: 21.8

### COS Corn-Silage - Annual



|                     |      |      |
|---------------------|------|------|
| Across from fathers | COS4 | 9.4  |
| AR 11               | COS6 | 10.9 |
| AR 13               | COS6 | 16.0 |
| AR 20               | COS1 | 18.2 |
| AR 5                | COS6 | 4.4  |
| AR 6                | COS3 | 6.3  |
| Bottom of Rickies   | COS6 | 18.8 |
| Co Rt 4 East        | COS3 | 27.1 |
| Co Rt 4 West        | COS4 | 14.1 |
| Con 2               | COS5 | 29.9 |
| Con Pit Side        | COS9 | 44.3 |
| Durants hill        | COS4 | 10.7 |
| Eddie Across Road   | COS3 | 3.8  |
| Eddie Hill          | COS5 | 3.3  |
| Eddie House         | COS5 | 13.3 |
| Fathers Rock Hill   | COS3 | 30.8 |
| FC Back             | COS2 | 25.1 |
| FC CR 42            | COS2 | 31.7 |
| FC Frye Road        | COS2 | 29.4 |
| Masuk C East        | COS1 | 77.7 |
| Masuk C West        | COS1 | 14.2 |
| Masuk Greenhouse    | COS1 | 7.5  |
| Masuk H West        | COS1 | 19.8 |
| Masuk North         | COS1 | 7.9  |
| McDonald 70         | COS2 | 58.3 |
| Scanlon A           | COS2 | 17.6 |
| Scanlon B           | COS2 | 4.7  |



Champlain Valley  
AGRONOMICS

Farm Name

Field Name

Planned Crop

Acres

**COS Corn-Silage - Annual**

|                 |      |       |
|-----------------|------|-------|
| Scary Hill      | COS5 | 10.6  |
| Smillie         | COS5 | 52.2  |
| Steen House     | COS3 | 10.2  |
| Steen Pond Corn | COS4 | 11.3  |
| The 100 Acres   | COS2 | 106.5 |
| Western Fields  | COS1 | 41.8  |

**Total: 787.4**

**GIT Grass-Intensive Mgmt. - Established**

|                      |       |      |
|----------------------|-------|------|
| Across Road          | GIT3  | 5.0  |
| Apartment Fields     | GIT12 | 6.0  |
| Bernards             | GIT11 | 16.9 |
| Fathers across ditch | GIT8  | 2.8  |
| Ghostlaw 1           | GIT8  | 28.5 |
| Ghostlaw 2           | GIT8  | 18.1 |
| Ghostlaw 3           | GIT8  | 7.2  |
| Mainville Triangle   | GIT11 | 3.6  |
| River field          | GIT3  | 1.6  |
| Tracks               | GIT8  | 7.7  |

**Total: 97.3**

**GRT Grasses - Established**

|                  |       |      |
|------------------|-------|------|
| Murphys          | GRT19 | 11.9 |
| Pasture          | GRT4  | 7.5  |
| Steen Pond Grass | GRT4  | 5.9  |

**Total: 25.2**

**SOY Soybeans - Annual**

|            |      |      |
|------------|------|------|
| AR 32      | SOY1 | 30.3 |
| Powerlines | SOY1 | 21.2 |

**Total: 51.5**



Champlain Valley  
Agricultural

100

| Back hill on Rickys             |              |                                |           | Acres: 9.8        |   |
|---------------------------------|--------------|--------------------------------|-----------|-------------------|---|
| Sample Date: 11/7/2022          |              | Crop: AGT5                     |           | Mgt. Implication: | N-Based   |
| P: 5 K: 134 pH: 7.0 OM (%): 2.7 |              |                                |           | PI Method:        | Surface spread with >= 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path) |
| Comments:                       |              |                                |           | PI Timing:        | Growing sod or row crop/planting green  |
| Type                            | Treatment    | Method                         | Rate/Acre | Timing            |   |
| Manure                          | Slurry Store | Top Dress/Incorp. After 5 Days | 2,500     | Between Cuttings  |   |
| Fertilizer                      | Urea         | Broadcast                      | 100       | Greenup           |   |
| The hill on Rickys              |              |                                |           | Acres: 12.0       |   |
| Sample Date: 11/2022            |              | Crop: AGT5                     |           | Mgt. Implication: | N-Based   |
| P: 5 K: 134 pH: 7.0 OM (%): 2.7 |              |                                |           | PI Method:        | Surface spread with >= 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path) |
| Comments:                       |              |                                |           | PI Timing:        | Sod after last cutting (fall/winter)  |
| Type                            | Treatment    | Method                         | Rate/Acre | Timing            |   |
| Manure                          | Slurry Store | Top Dress/Incorp. After 5 Days | 4,000     | Between Cuttings  |   |
| Fertilizer                      | Urea         | Broadcast                      | 150       | Greenup           |   |



# COS      Corn-Silage - Annual

| Across from fathers  |           |  |           |                   | Acre: 9.4 |                  |
|--|-----------|--|-----------|-------------------|-----------|------------------|
| Sample Date: 11 / 2022   |           | Crop: COS4   |           | Mgt. Implication: | P-Based   | P-Index: 80 / 48 |
| P: 5    K: 105    pH: 5.8    OM (%): 2.6   |           | PI Method:    Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |           |                   |           |                  |
| Comments: High P Index - Manure requires incorporation for higher rates. If incorporation is feasible call for adjusted rates. |           | PI Timing:    Bare ground/more than 2 weeks before planting  |           |                   |           |                  |
| Type   | Treatment | Method   | Rate/Acre | Timing            |           |                  |
| Manure   | Cow Barn  | Top Dress/Incorp. After 5 Days   | 4,000     | Before Planting   |           |                  |
| Fertilizer   | Triple 18 | Starter 2x2  | 100       | At Planting       |           |                  |
| Fertilizer   | 32% UAN   | SideDress  | 25        | SideDress         |           |                  |

| AR 11   |                  |   |           |                   | Acre: 10.9 |                  |
|---|------------------|---|-----------|-------------------|------------|------------------|
| Sample Date: 4 / 2024   |                  | Crop: COS6  |           | Mgt. Implication: | N-Based    | P-Index: 70 / 35 |
| P: 11    K: 144    pH: 6.9    OM (%): 3.5   |                  |   |           |                   |            |                  |
| Comments: If field is not planned for incorporation call for updated rates, as gallons/acre will be reduced |                  | PI Method: Incorporation/within 24h with >= 15-ft setback |           |                   |            |                  |
|   |                  | PI Timing: Bare ground/more than 2 weeks before planting  |           |                   |            |                  |
| Type  | Treatment        | Method  | Rate/Acre | Timing            |            |                  |
| Manure  | Cow Barn         | Spring Incorp. Within 1 Day                               | 4,000     | Before Planting   |            |                  |
| Manure  | Heifer Barn DS   | Spring Incorp. Within 1 Day                               | 5,000     | Before Planting   |            |                  |
| Fertilizer  | Ammonium Sulfate | Starter 2x2   | 125       | At Planting       |            |                  |

| AR 13                                    |              |   |           | Acre: 16.0        |         |                 |
|--|--------------|---|-----------|-------------------|---------|-----------------|
| Sample Date: 4 / 2024                    |              | Crop: COS6  |           | Mgt. Implication: | N-Based | P-Index: 32 / 8 |
| P: 5    K: 109    pH: 6.5    OM (%): 4.0 |              | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |           |                   |         |                 |
|  |              | PI Timing: Bare ground/more than 2 weeks before planting  |           |                   |         |                 |
| Comments:                                |              |   |           |                   |         |                 |
| Type                                     | Treatment    | Method  | Rate/Acre | Timing            |         |                 |
| Manure                                   | Slurry Store | Top Dress/Incorp. After 5 Days  | 4,000     | Before Planting   |         |                 |
| Manure                                   | Cow Barn     | Top Dress/Incorp. After 5 Days  | 4,000     | Before Planting   |         |                 |
| Fertilizer                               | Triple 18    | Broadcast   | 100       | Before Planting   |         |                 |
| Fertilizer                               | 32% UAN      | SideDress   | 25        | SideDress         |         |                 |



|                                 |                  |   |           |                           |                  |
|---------------------------------|------------------|---|-----------|---------------------------|------------------|
| AR 20                           |                  |   |           | Acres: 18.2               |                  |
| Sample Date: 4 / 2024           |                  | Crop: COS1  |           | Mgt. Implication: N-Based | P-Index: 64 / 40 |
| P: 9 K: 154 pH: 6.7 OM (%): 2.7 |                  | PI Method: Surface spread without setback                     |           |                           |                  |
| Comments:                       |                  | PI Timing: Bare ground/within 2 weeks of planting (in spring) |           |                           |                  |
| Type                            | Treatment        | Method  | Rate/Acre | Timing                    |                  |
| Manure                          | Calves           | Top Dress/Incorp. After 5 Days                                | 2         | Previously Applied        |                  |
| Manure                          | Cow Barn         | Top Dress/Incorp. After 5 Days                                | 8,000     | Before Planting           |                  |
| Fertilizer                      | Ammonium Sulfate | Starter 2x2   | 100       | At Planting               |                  |
| Fertilizer                      | 32% UAN          | SideDress   | 20        | SideDress                 |                  |

|                                  |                  |   |           |                           |                  |
|----------------------------------|------------------|---|-----------|---------------------------|------------------|
| AR 5                             |                  |   |           | Acres: 4.4                |                  |
| Sample Date: 4 / 2024            |                  | Crop: COS6  |           | Mgt. Implication: N-Based | P-Index: 64 / 32 |
| P: 16 K: 125 pH: 7.0 OM (%): 3.7 |                  | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |           |                           |                  |
| Comments:                        |                  | PI Timing: Bare ground/within 2 weeks of planting (in spring)   |           |                           |                  |
| Type                             | Treatment        | Method  | Rate/Acre | Timing                    |                  |
| Manure                           | Slurry Store     | Top Dress/Incorp. After 5 Days  | 3,000     | Before Planting           |                  |
| Manure                           | Cow Barn         | Top Dress/Incorp. After 5 Days  | 6,000     | Before Planting           |                  |
| Fertilizer                       | Ammonium Sulfate | Starter 2x2   | 100       | At Planting               |                  |
| Fertilizer                       | 32% UAN          | SideDress   | 15        | SideDress                 |                  |

|                                 |              |   |           |                           |                  |
|---------------------------------|--------------|---|-----------|---------------------------|------------------|
| AR 6                            |              |   |           | Acres: 6.3                |                  |
| Sample Date: 4 / 2024           |              | Crop: COS3  |           | Mgt. Implication: N-Based | P-Index: 64 / 40 |
| P: 4 K: 134 pH: 6.7 OM (%): 2.4 |              | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |           |                           |                  |
| Comments:                       |              | PI Timing: Bare ground/more than 2 weeks before planting  |           |                           |                  |
| Type                            | Treatment    | Method  | Rate/Acre | Timing                    |                  |
| Manure                          | Slurry Store | Top Dress/Incorp. After 5 Days  | 2,000     | Before Planting           |                  |
| Manure                          | Cow Barn     | Top Dress/Incorp. After 5 Days  | 6,000     | Before Planting           |                  |
| Fertilizer                      | Triple 18    | Starter 2x2   | 100       | At Planting               |                  |
| Fertilizer                      | 32% UAN      | SideDress   | 15        | SideDress                 |                  |



| Bottom of Rickies              |           |   |                           | Acre: 18.8       |
|--------------------------------|-----------|---|---------------------------|------------------|
| Sample Date: 4 / 2024          |           | Crop: COS6  | Mgt. Implication: N-Based | P-Index: 64 / 48 |
| P: 3 K: 59 pH: 6.8 OM (%): 2.7 |           | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |                           |                  |
| Comments:                      |           | PI Timing: Bare ground/more than 2 weeks before planting  |                           |                  |
| Type                           | Treatment | Method  | Rate/Acre                 | Timing           |
| Manure                         | Cow Barn  | Top Dress/Incorp. After 5 Days  | 8,000                     | Before Planting  |
| Fertilizer                     | Triple 18 | Starter 2x2   | 100                       | At Planting      |
| Fertilizer                     | 32% UAN   | SideDress   | 20                        | SideDress        |

| Co Rt 4 East                    |                |   |                           | Acre: 27.0       |
|---------------------------------|----------------|---|---------------------------|------------------|
| Sample Date: 4 / 2024           |                | Crop: COS3  | Mgt. Implication: N-Based | P-Index: 64 / 40 |
| P: 6 K: 151 pH: 7.1 OM (%): 5.2 |                | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |                           |                  |
| Comments:                       |                | PI Timing: Bare ground/more than 2 weeks before planting  |                           |                  |
| Type                            | Treatment      | Method  | Rate/Acre                 | Timing           |
| Manure                          | Heifer Barn DS | Top Dress/Incorp. After 5 Days  | 2,000                     | Before Planting  |
| Manure                          | Cow Barn       | Top Dress/Incorp. After 5 Days  | 6,000                     | Before Planting  |
| ertilizer                       | Triple 18      | Starter 2x2   | 100                       | At Planting      |
| Fertilizer                      | 32% UAN        | SideDress   | 15                        | SideDress        |

| Co Rt 4 West                                     |           |   |                          | Acre: 14.1         |
|--|-----------|---|--------------------------|--------------------|
| Sample Date: 4 / 2024                            |           | Crop: COS4  | Mgt. Implication: Zero-P | P-Index: 112 / 88  |
| P: 6 K: 90 pH: 6.7 OM (%): 2.9                   |           | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |                          |                    |
| Comments: High P Index - No Further Applications |           | PI Timing: Bare ground/more than 2 weeks before planting  |                          |                    |
| Type   | Treatment | Method  | Rate/Acre                | Timing             |
| Manure   | Calves    | Top Dress/Incorp. After 5 Days  | 2                        | Previously Applied |
| Fertilizer                                       | Triple 18 | Starter 2x2   | 150                      | At Planting        |
| Fertilizer                                       | 32% UAN   | SideDress   | 30                       | SideDress          |





|                                 |           |   |                                |                           |                  |
|---------------------------------|-----------|---|--------------------------------|---------------------------|------------------|
| Con 2                           |           |   |                                | Acres: 29.9               |                  |
| Sample Date: 11 / 2022          |           | Crop: COS5  |                                | Mgt. Implication: N-Based | P-Index: 64 / 48 |
| P: 5 K: 117 pH: 6.1 OM (%): 3.2 |           | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |                                |                           |                  |
| Comments:                       |           | PI Timing: Bare ground/more than 2 weeks before planting  |                                |                           |                  |
| Type                            | Treatment |   | Method                         | Rate/Acre                 | Timing           |
| Manure                          | Cow Barn  |   | Top Dress/Incorp. After 5 Days | 8,000                     | Before Planting  |
| Fertilizer                      | Triple 18 |   | Starter 2x2                    | 100                       | At Planting      |
| Fertilizer                      | 32% UAN   |   | SideDress                      | 20                        | SideDress        |

|  |           |   |                             |                           |                  |
|--|-----------|---|-----------------------------|---------------------------|------------------|
| Con Pit Side   |           |   |                             | Acres: 44.3               |                  |
| Sample Date: 11 / 2022                                 |           | Crop: COS9  |                             | Mgt. Implication: N-Based | P-Index: 67 / 56 |
| P: 4 K: 104 pH: 6.9 OM (%): 2.4                        |           | PI Method: Incorporation/within 24h with >= 15-ft setback     |                             |                           |                  |
| Comments: High P Index - Manure requires incorporation |           | PI Timing: Bare ground/within 2 weeks of planting (in spring) |                             |                           |                  |
| Type   | Treatment |   | Method                      | Rate/Acre                 | Timing           |
| Manure   | Cow Barn  |   | Spring Incorp. Within 1 Day | 8,000                     | Before Planting  |
| Fertilizer   | Triple 18 |   | Starter 2x2                 | 100                       | At Planting      |
| Fertilizer   | 32% UAN   |   | SideDress                   | 10                        | SideDress        |

|                                 |              |   |                                |                           |                  |
|---------------------------------|--------------|---|--------------------------------|---------------------------|------------------|
| Durants hill                    |              |   |                                | Acres: 10.7               |                  |
| Sample Date: 11 / 2022          |              | Crop: COS4  |                                | Mgt. Implication: N-Based | P-Index: 67 / 45 |
| P: 7 K: 144 pH: 6.3 OM (%): 3.8 |              | PI Method: Incorporation/within 24h with >= 15-ft setback     |                                |                           |                  |
| Comments:                       |              | PI Timing: Bare ground/within 2 weeks of planting (in spring) |                                |                           |                  |
| Type                            | Treatment    |   | Method                         | Rate/Acre                 | Timing           |
| Manure                          | Slurry Store |   | Top Dress/Incorp. After 5 Days | 2,000                     | Before Planting  |
| Manure                          | Cow Barn     |   | Top Dress/Incorp. After 5 Days | 4,000                     | Before Planting  |
| Fertilizer                      | Triple 18    |   | Starter 2x2                    | 100                       | At Planting      |
| Fertilizer                      | 32% UAN      |   | SideDress                      | 20                        | SideDress        |



| Eddie Across Road               |           |            |                                | Acres: 3.8  |                         |
|---------------------------------|-----------|------------|--------------------------------|---|-------------------------|
| Sample Date: 4 / 2024           |           | Crop: COS3 |                                | Mgt. Implication:   | N-Based P-Index: 32 / 8 |
| P: 5 K: 125 pH: 7.4 OM (%): 3.3 |           |            |                                | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |                         |
| Comments:                       |           |            |                                | PI Timing: Bare ground/more than 2 weeks before planting  |                         |
| Type                            | Treatment |            | Method                         | Rate/Acre   | Timing                  |
| Manure                          | Cow Barn  |            | Top Dress/Incorp. After 5 Days | 8,000   | Before Planting         |
| Fertilizer                      | Triple 18 |            | Starter 2x2                    | 100   | At Planting             |
| Fertilizer                      | 32% UAN   |            | SideDress                      | 20  | SideDress               |

| Eddie Hill                     |           |            |                                | Acres: 3.3  |                         |
|--------------------------------|-----------|------------|--------------------------------|---|-------------------------|
| Sample Date: 4 / 2024          |           | Crop: COS5 |                                | Mgt. Implication:   | N-Based P-Index: 48 / 8 |
| P: 2 K: 84 pH: 7.3 OM (%): 3.3 |           |            |                                | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |                         |
| Comments:                      |           |            |                                | PI Timing: Bare ground/more than 2 weeks before planting  |                         |
| Type                           | Treatment |            | Method                         | Rate/Acre   | Timing                  |
| Manure                         | Cow Barn  |            | Top Dress/Incorp. After 5 Days | 8,000   | Before Planting         |
| Fertilizer                     | Triple 18 |            | Starter 2x2                    | 100   | Before Planting         |
| Fertilizer                     | 32% UAN   |            | SideDress                      | 20  | SideDress               |

| Eddie House  |           |            |                                | Acres: 13.3   |                          |
|--|-----------|------------|--------------------------------|---|--------------------------|
| Sample Date: 4 / 2024                                      |           | Crop: COS5 |                                | Mgt. Implication:   | P-Based P-Index: 90 / 73 |
| P: 3 K: 76 pH: 6.4 OM (%): 1.9                             |           |            |                                | PI Method: Incorporation/within 24h with >= 15-ft setback     |                          |
| Comments: P Based Management - Reduce Rate and Incorporate |           |            |                                | PI Timing: Bare ground/within 2 weeks of planting (in spring) |                          |
| Type   | Treatment |            | Method                         | Rate/Acre   | Timing                   |
| Manure   | Cow Barn  |            | Top Dress/Incorp. After 5 Days | 4,500   | Before Planting          |
| Fertilizer   | Potash    |            | Broadcast                      | 150   | Before Planting          |
| Fertilizer   | Triple 18 |            | Starter 2x2                    | 125   | At Planting              |
| Fertilizer   | 32% UAN   |            | SideDress                      | 35  | SideDress                |



Champlain Valley  
Agronomics



| Fathers Rock Hill               |              |   |           | Acres: 30.8               |                  |
|---------------------------------|--------------|---|-----------|---------------------------|------------------|
| Sample Date: 11 / 2022          |              | Crop: COS3  |           | Mgt. Implication: N-Based | P-Index: 67 / 45 |
| P: 3 K: 131 pH: 6.3 OM (%): 3.4 |              | PI Method: Incorporation/within 24h with >= 15-ft setback     |           |                           |                  |
| Comments:                       |              | PI Timing: Bare ground/within 2 weeks of planting (in spring) |           |                           |                  |
| Type                            | Treatment    | Method  | Rate/Acre | Timing                    |                  |
| Manure                          | Slurry Store | Spring Incorp. Within 1 Day                                   | 2,000     | Before Planting           |                  |
| Manure                          | Cow Barn     | Spring Incorp. Within 1 Day                                   | 4,000     | Before Planting           |                  |
| Fertilizer                      | Triple 18    | Starter 2x2   | 100       | At Planting               |                  |
| Fertilizer                      | 32% UAN      | SideDress   | 10        | SideDress                 |                  |

| FC Back  |              |   |           | Acres: 25.1              |                   |
|--|--------------|---|-----------|--------------------------|-------------------|
| Sample Date: 11 / 2022                           |              | Crop: COS2  |           | Mgt. Implication: Zero-P | P-Index: 112 / 96 |
| P: 4 K: 118 pH: 6.1 OM (%): 3.5                  |              | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |           |                          |                   |
| Comments: High P Index - No Further Applications |              | PI Timing: Bare ground/more than 2 weeks before planting  |           |                          |                   |
| Type   | Treatment    | Method  | Rate/Acre | Timing                   |                   |
| Manure   | Slurry Store | Top Dress/Incorp. After 5 Days  | 4,000     | Previously Applied       |                   |
| Fertilizer                                       | Triple 18    | Starter 2x2   | 100       | At Planting              |                   |
| Fertilizer                                       | 32% UAN      | SideDress   | 30        | SideDress                |                   |

| FC CR 42   |              |   |           | Acres: 31.7              |                   |
|--|--------------|---|-----------|--------------------------|-------------------|
| Sample Date: 11 / 2022                           |              | Crop: COS2  |           | Mgt. Implication: Zero-P | P-Index: 112 / 96 |
| P: 3 K: 101 pH: 5.8 OM (%): 3.1                  |              | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |           |                          |                   |
| Comments: High P Index - No Further Applications |              | PI Timing: Bare ground/more than 2 weeks before planting  |           |                          |                   |
| Type   | Treatment    | Method  | Rate/Acre | Timing                   |                   |
| Manure   | Slurry Store | Top Dress/Incorp. After 5 Days  | 4,000     | Previously Applied       |                   |
| Fertilizer                                       | Triple 18    | Starter 2x2   | 125       | At Planting              |                   |
| Fertilizer                                       | 32% UAN      | SideDress   | 25        | SideDress                |                   |



| FC Frye Road           |              |   |           | Acre: 29.4                |
|------------------------|--------------|---|-----------|---------------------------|
| Sample Date: 11 / 2022 |              | Crop: COS2  |           | Mgt. Implication: N-Based |
| P: 5                   |              | K: 175 pH: 6.7 OM (%): 3.9  |           | P-Index: 64 / 51          |
| Comments:              |              | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |           |                           |
| Comments:              |              | PI Timing: Bare ground/within 2 weeks of planting (in spring)   |           |                           |
| Type                   | Treatment    | Method  | Rate/Acre | Timing                    |
| Manure                 | Slurry Store | Top Dress/Incorp. After 5 Days  | 5,000     | Before Planting           |
| Fertilizer             | Triple 18    | Starter 2x2   | 100       | At Planting               |
| Fertilizer             | 32% UAN      | SideDress   | 30        | SideDress                 |

| Masuk C East          |           |   |           | Acre: 77.7                |
|-----------------------|-----------|---|-----------|---------------------------|
| Sample Date: 4 / 2024 |           | Crop: COS1  |           | Mgt. Implication: N-Based |
| P: 6                  |           | K: 78 pH: 6.6 OM (%): 4.1   |           | P-Index: 64 / 32          |
| Comments:             |           | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |           |                           |
| Comments:             |           | PI Timing: Bare ground/within 2 weeks of planting (in spring)   |           |                           |
| Type                  | Treatment | Method  | Rate/Acre | Timing                    |
| Manure                | Cow Barn  | Top Dress/Incorp. After 5 Days  | 8,000     | Before Planting           |
| Fertilizer            | Triple 18 | Starter 2x2   | 100       | At Planting               |
| ertilizer             | 32% UAN   | SideDress   | 25        | SideDress                 |

| Masuk C West          |           |   |           | Acre: 14.2                |
|-----------------------|-----------|---|-----------|---------------------------|
| Sample Date: 1 / 2000 |           | Crop: COS1  |           | Mgt. Implication: N-Based |
| P: 3                  |           | K: 100 pH: 7.0 OM (%): 0.0  |           | P-Index: 64 / 32          |
| Comments:             |           | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |           |                           |
| Comments:             |           | PI Timing: Bare ground/within 2 weeks of planting (in spring)   |           |                           |
| Type                  | Treatment | Method  | Rate/Acre | Timing                    |
| Manure                | Cow Barn  | Top Dress/Incorp. After 5 Days  | 8,000     | Before Planting           |
| Fertilizer            | Triple 18 | Starter 2x2   | 100       | At Planting               |
| Fertilizer            | 32% UAN   | SideDress   | 25        | SideDress                 |

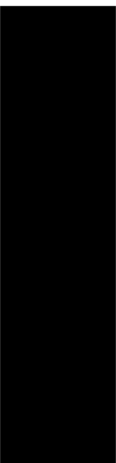




| Masuk Greenhouse                        |           |   |           | Acres: 7.5                |                  |
|---|-----------|---|-----------|---------------------------|------------------|
| Sample Date: 4 / 2024                   |           | Crop: COS1  |           | Mgt. Implication: N-Based | P-Index: 64 / 32 |
| P: 5    K: 78    pH: 6.8    OM (%): 3.8 |           | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |           |                           |                  |
| Comments:                               |           | PI Timing: Bare ground/within 2 weeks of planting (in spring)   |           |                           |                  |
| Type                                    | Treatment | Method  | Rate/Acre | Timing                    |                  |
| Manure                                  | Cow Barn  | Top Dress/Incorp. After 5 Days  | 8,000     | Before Planting           |                  |
| Fertilizer                              | Triple 18 | Starter 2x2   | 100       | At Planting               |                  |
| Fertilizer                              | 32% UAN   | SideDress   | 25        | SideDress                 |                  |

| Masuk H West                                |           |   |           | Acres: 19.8               |                  |
|---|-----------|---|-----------|---------------------------|------------------|
| Sample Date: 4 / 2024                       |           | Crop: COS1  |           | Mgt. Implication: P-Based | P-Index: 77 / 45 |
| P: 4    K: 85    pH: 6.9    OM (%): 5.3     |           | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |           |                           |                  |
| Comments: P Based Management - Reduced Rate |           | PI Timing: Bare ground/within 2 weeks of planting (in spring)   |           |                           |                  |
| Type  | Treatment | Method  | Rate/Acre | Timing                    |                  |
| Manure                                      | Cow Barn  | Top Dress/Incorp. After 5 Days  | 4,000     | Before Planting           |                  |
| Fertilizer                                  | Triple 18 | Starter 2x2   | 100       | At Planting               |                  |
| Fertilizer                                  | 32% UAN   | SideDress   | 30        | SideDress                 |                  |

| Masuk North                             |           |   |           | Acres: 7.9                |                  |
|---|-----------|---|-----------|---------------------------|------------------|
| Sample Date: 4 / 2024                   |           | Crop: COS1  |           | Mgt. Implication: N-Based | P-Index: 64 / 40 |
| P: 8    K: 80    pH: 6.5    OM (%): 5.3 |           | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |           |                           |                  |
| Comments:                               |           | PI Timing: Bare ground/more than 2 weeks before planting  |           |                           |                  |
| Type                                    | Treatment | Method  | Rate/Acre | Timing                    |                  |
| Manure                                  | Cow Barn  | Top Dress/Incorp. After 5 Days  | 9,000     | Before Planting           |                  |
| Fertilizer                              | Triple 18 | Starter 2x2   | 100       | At Planting               |                  |
| Fertilizer                              | 32% UAN   | SideDress   | 30        | SideDress                 |                  |



| McDonald 70                                |           |   |           | Acre: 58.3  |
|--|-----------|---|-----------|---|
| Sample Date: 4 / 2024                      |           | Crop: COS2  |           | Mgt Implication: P-Based P-Index: 77 / 51                     |
| P: 2 K: 104 pH: 6.0 OM (%): 3.1            |           | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |           |   |
| Comments: P Based Management - Reduce Rate |           |   |           | PI Timing: Bare ground/within 2 weeks of planting (in spring) |
| Type                                       | Treatment | Method  | Rate/Acre | Timing  |
| Manure                                     | Cow Barn  | Top Dress/Incorp. After 5 Days  | 4,000     | Before Planting   |
| Fertilizer                                 | Triple 18 | Starter 2x2   | 100       | At Planting   |
| Fertilizer                                 | 32% UAN   | SideDress   | 20        | SideDress   |

| Scanlon A   |                  |   |           | Acre: 17.6  |
|---|------------------|---|-----------|---|
| Sample Date: 11 / 2022  |                  | Crop: COS2  |           | Mgt Implication: P-Based P-Index: 90 / 78                     |
| P: 16 K: 184 pH: 7.2 OM (%): 2.8                                  |                  | PI Method: Incorporation/within 24h with >= 15-ft setback |           |   |
| Comments: P Based Management - Reduce Rate Incorporation Required |                  |   |           | PI Timing: Bare ground/within 2 weeks of planting (in spring) |
| Type  | Treatment        | Method  | Rate/Acre | Timing  |
| Manure  | Cow Barn         | Spring Incorp. Within 1 Day                               | 4,000     | Before Planting   |
| Fertilizer  | Ammonium Sulfate | Starter 2x2   | 100       | At Planting   |
| ertilizer   | 32% UAN          | SideDress   | 20        | SideDress   |

| Scanlon B                       |                  |   |           | Acre: 4.7   |
|---------------------------------|------------------|---|-----------|---|
| Sample Date: 11 / 2022          |                  | Crop: COS2  |           | Mgt Implication: P-Based P-Index: 78 / 56                     |
| P: 8 K: 128 pH: 6.8 OM (%): 3.6 |                  | PI Method: Incorporation/within 24h with >= 15-ft setback |           |   |
| Comments:                       |                  |   |           | PI Timing: Bare ground/within 2 weeks of planting (in spring) |
| Type                            | Treatment        | Method  | Rate/Acre | Timing  |
| Manure                          | Cow Barn         | Spring Incorp. Within 1 Day                               | 4,000     | Before Planting   |
| Fertilizer                      | Ammonium Sulfate | Starter 2x2   | 100       | At Planting   |
| Fertilizer                      | 32% UAN          | SideDress   | 20        | SideDress   |





| Scary Hill                              |           |                                |  |   | Acres: 10.6     |                  |
|---|-----------|--------------------------------|--|---|-----------------|------------------|
| Sample Date: 4 / 2024                   |           | Crop: COS5                     |  | Mgt. Implication:   | N-Based         | P-Index: 64 / 40 |
| P: 3    K: 98    pH: 7.4    OM (%): 4.1 |           |                                |  | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |                 |                  |
| Comments:                               |           |                                |  | PI Timing: Bare ground/more than 2 weeks before planting  |                 |                  |
| Type                                    | Treatment | Method                         |  | Rate/Acre   | Timing          |                  |
| Manure                                  | Cow Barn  | Top Dress/Incorp. After 5 Days |  | 8,000   | Before Planting |                  |
| Fertilizer                              | Triple 18 | Starter 2x2                    |  | 100   | At Planting     |                  |
| Fertilizer                              | 32% UAN   | SideDress                      |  | 20  | SideDress       |                  |

| Smillie                                 |           |                                |  |   | Acres: 52.2     |                  |
|---|-----------|--------------------------------|--|---|-----------------|------------------|
| Sample Date: 4 / 2024                   |           | Crop: COS5                     |  | Mgt. Implication:   | N-Based         | P-Index: 64 / 38 |
| P: 2    K: 79    pH: 6.6    OM (%): 1.1 |           |                                |  | PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path) |                 |                  |
| Comments:                               |           |                                |  | PI Timing: Bare ground/within 2 weeks of planting (in spring)   |                 |                  |
| Type                                    | Treatment | Method                         |  | Rate/Acre   | Timing          |                  |
| Manure                                  | Cow Barn  | Top Dress/Incorp. After 5 Days |  | 8,000   | Before Planting |                  |
| Fertilizer                              | Triple 18 | Starter 2x2                    |  | 100   | At Planting     |                  |
| Fertilizer                              | 32% UAN   | SideDress                      |  | 25  | SideDress       |                  |

| Steen House                             |           |                             |  |   | Acres: 10.2     |                  |
|---|-----------|-----------------------------|--|---|-----------------|------------------|
| Sample Date: 4 / 2024                   |           | Crop: COS3                  |  | Mgt. Implication:   | P-Based         | P-Index: 90 / 73 |
| P: 5    K: 74    pH: 6.9    OM (%): 2.4 |           |                             |  | PI Method: Incorporation/within 24h with >= 15-ft setback     |                 |                  |
| Comments:                               |           |                             |  | PI Timing: Bare ground/within 2 weeks of planting (in spring) |                 |                  |
| Type                                    | Treatment | Method                      |  | Rate/Acre   | Timing          |                  |
| Manure                                  | Cow Barn  | Spring Incorp. Within 1 Day |  | 4,000   | Before Planting |                  |
| Fertilizer                              | Triple 18 | Starter 2x2                 |  | 100   | At Planting     |                  |
| Fertilizer                              | 32% UAN   | SideDress                   |  | 25  | SideDress       |                  |



| Steen Pond Corn   |           |                             |           |                           | Acres: 11.3 |                  |
|---|-----------|-----------------------------|-----------|---------------------------|-------------|------------------|
| Sample Date: 4 / 2024   |           | Crop: COS4                  |           | Mgt. Implication: P-Based |             | P-Index: 90 / 78 |
| P: 3  |           | K: 112                      |           | pH: 7.1                   |             |                  |
|   |           | OM (%): 3.4                 |           |                           |             |                  |
| Comments: P Based Management - Reduce Rate and Incorporation Required |           |                             |           |                           |             |                  |
| Type  | Treatment | Method                      | Rate/Acre | Timing                    |             |                  |
| Manure  | Cow Barn  | Spring Incorp. Within 1 Day | 4,000     | Before Planting           |             |                  |
| Fertilizer  | Triple 18 | Starter 2x2                 | 100       | At Planting               |             |                  |
| Fertilizer  | 32% UAN   | SideDress                   | 35        | SideDress                 |             |                  |

| The 100 Acres   |           |   |           | Acres: 106.5      |                  |
|---|-----------|---|-----------|-------------------|------------------|
| Sample Date: 4 / 2024   |           | Crop: COS2  |           | Mgt. Implication: | P-Index: 78 / 56 |
| P: 4    K: 123    pH: 6.3    OM (%): 1.4                          |           | PI Method: Incorporation/within 24h with >= 15-ft setback |           |                   |                  |
| Comments: P Based Management - Reduce Rate and Incorporate Manure |           |   |           |                   |                  |
| Type  | Treatment | Method  | Rate/Acre | Timing            |                  |
| Manure  | Cow Barn  | Spring Incorp. Within 1 Day                               | 4,000     | Before Planting   |                  |
| Fertilizer  | Triple 18 | Starter 2x2   | 100       | At Planting       |                  |
| ertilizer   | 32% UAN   | SideDress   | 25        | SideDress         |                  |

| Western Fields                          |           |   |           | Acres: 41.8       |                  |
|---|-----------|---|-----------|-------------------|------------------|
| Sample Date: 4 / 2024                   |           | Crop: COS1  |           | Mgt. Implication: | P-Index: 90 / 73 |
| P: 2    K: 48    pH: 6.6    OM (%): 2.2 |           | Comments: P Based Management - Reduce Rate and Incorporation Required |           |                   |                  |
|   |           |   |           |                   |                  |
| Type                                    | Treatment | Method  | Rate/Acre | Timing            |                  |
| Manure                                  | Cow Barn  | Spring Incorp. Within 1 Day   | 5,000     | Before Planting   |                  |
| Fertilizer                              | Triple 18 | Starter 2x2   | 100       | At Planting       |                  |
| Fertilizer                              | 32% UAN   | SideDress   | 25        | SideDress         |                  |

GIT Grass-Intensive Mgmt. - Established



| Across Road                      |                |  |           | Acres: 5.0                |                  |
|----------------------------------|----------------|--|-----------|---------------------------|------------------|
| Sample Date: 4 / 2024            |                | Crop: GIT3   |           | Mgt. Implication: N-Based | P-Index: 34 / 21 |
| P: 13 K: 138 pH: 6.5 OM (%): 6.1 |                | PI Method: Surface spread with >= 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path) |           |                           |                  |
| Comments:                        |                | PI Timing: Sod after last cutting (fall/winter)  |           |                           |                  |
| Type                             | Treatment      | Method   | Rate/Acre | Timing                    |                  |
| Manure                           | Heifer Barn DS | Top Dress/Incorp. After 5 Days   | 2,000     | Between Cuttings          |                  |
| Manure                           | Cow Barn       | Top Dress/Incorp. After 5 Days   | 4,000     | Between Cuttings          |                  |
| Fertilizer                       | 32% UAN        | Broadcast  | 20        | Greenup                   |                  |
| Fertilizer                       | 32% UAN        | Broadcast  | 15        | Between Cuttings          |                  |

| Apartment Fields                        |                |  |           |                   | Acres: 6.0 |                  |
|---|----------------|--|-----------|-------------------|------------|------------------|
| Sample Date: 11 / 2022                  |                | Crop: GIT12  |           | Mgt. Implication: | N-Based    | P-Index: 34 / 25 |
| P: 4    K: 98    pH: 7.3    OM (%): 3.8 |                | PI Method: Surface spread with >= 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path) |           |                   |            |                  |
| Comments:                               |                | PI Timing: Sod after last cutting (fall/winter)  |           |                   |            |                  |
| Type                                    | Treatment      | Method   | Rate/Acre | Timing            |            |                  |
| Manure                                  | Cow Barn       | Top Dress/Incorp. After 5 Days   | 4,000     | Between Cuttings  |            |                  |
| Manure                                  | Heifer Barn DS | Top Dress/Incorp. After 5 Days   | 2,000     | Between Cuttings  |            |                  |
| Fertilizer                              | 32% UAN        | Broadcast  | 20        | Greenup           |            |                  |
| Fertilizer                              | 32% UAN        | Broadcast  | 15        | Between Cuttings  |            |                  |



| Bernards                                 |                |  |           | Acres: 16.9      |  |
|--|----------------|--|-----------|------------------|--|
| Sample Date: 11/7/2022                   |                | Crop: GIT11  |           |                  |  |
| P: 6    K: 109    pH: 6.5    OM (%): 3.9 |                | Mgt. Implication:    N-Based    P-Index: 34 / 34   |           |                  |  |
| Comments:                                |                | PI Method: Surface spread with >= 35-ft managed vegetated<br>(sod harvested) setback from the field boundary<br>(start of the predominant flow path) |           |                  |  |
|  |                | PI Timing: Sod after last cutting (fall/winter)  |           |                  |  |
| Type                                     | Treatment      | Method   | Rate/Acre | Timing           |  |
| Manure                                   | Heifer Barn DS | Top Dress/Incorp. After 5 Days   | 2,000     | Between Cuttings |  |
| Manure                                   | Slurry Store   | Top Dress/Incorp. After 5 Days   | 4,000     | Between Cuttings |  |
| Fertilizer                               | 32% UAN        | Broadcast  | 20        | Greenup          |  |
| Fertilizer                               | 32% UAN        | Broadcast  | 15        | Between Cuttings |  |

| Fathers across ditch   |                |                                |           |                  | Acres: 2.8                |  |                  |
|------------------------|----------------|--------------------------------|-----------|------------------|---------------------------|--|------------------|
| Sample Date: 12 / 2021 |                | Crop: GIT8                     |           |                  | Mgt. Implication: N-Based |  | P-Index: 67 / 67 |
| P: 2                   |                | K: 158                         | pH: 6.4   | OM (%): 2.6      |                           |  |                  |
| Comments:              |                |                                |           |                  |                           |  |                  |
|                        |                |                                |           |                  |                           |  |                  |
| Type                   | Treatment      | Method                         | Rate/Acre | Timing           |                           |  |                  |
| Manure                 | Heifer Barn DS | Top Dress/Incorp. After 5 Days | 2,000     | Between Cuttings |                           |  |                  |
| Manure                 | Cow Barn       | Top Dress/Incorp. After 5 Days | 4,000     | Between Cuttings |                           |  |                  |
| Fertilizer             | 32% UAN        | Broadcast                      | 20        | Greenup          |                           |  |                  |
| Fertilizer             | 32% UAN        | Broadcast                      | 15        | Between Cuttings |                           |  |                  |

| Ghostlaw 1                              |           |   |           | Acres: 28.5               |  |                  |
|---|-----------|---|-----------|---------------------------|--|------------------|
| Sample Date: 4 / 2024                   |           | Crop: GIT8  |           | Mgt. Implication: N-Based |  | P-Index: 67 / 55 |
| P: 8    K: 41    pH: 7.4    OM (%): 3.4 |           | <div>PI Method: Surface spread with &gt;= 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path)</div> <div>PI Timing: Sod after last cutting (fall/winter)</div> |           |                           |  |                  |
| Comments:                               |           |   |           |                           |  |                  |
|   |           |   |           |                           |  |                  |
| Type                                    | Treatment | Method  | Rate/Acre | Timing                    |  |                  |
| Manure                                  | Cow Barn  | Top Dress/Incorp. After 5 Days  | 4,000     | Between Cuttings          |  |                  |
| Manure                                  | Cow Barn  | Top Dress/Incorp. After 5 Days  | 4,000     | Between Cuttings          |  |                  |
| Fertilizer                              | Potash    | Broadcast   | 150       | Between Cuttings          |  |                  |
| Fertilizer                              | 32% UAN   | Broadcast   | 20        | Greenup                   |  |                  |
| Fertilizer                              | 32% UAN   | Broadcast   | 15        | Between Cuttings          |  |                  |





| Ghostlaw 2                      |           |  |           | Acres: 18.1               |                  |
|---------------------------------|-----------|--|-----------|---------------------------|------------------|
| Sample Date: 4 / 2024           |           | Crop: GIT8   |           | Mgt. Implication: N-Based | P-Index: 42 / 21 |
| P: 15 K: 40 pH: 7.3 OM (%): 4.4 |           | PI Method: Surface spread with >= 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path) |           |                           |                  |
| Comments:                       |           | PI Timing: Sod after last cutting (fall/winter)  |           |                           |                  |
| Type                            | Treatment | Method   | Rate/Acre | Timing                    |                  |
| Manure                          | Cow Barn  | Top Dress/Incorp. After 5 Days   | 4,000     | Between Cuttings          |                  |
| Manure                          | Cow Barn  | Top Dress/Incorp. After 5 Days   | 4,000     | Between Cuttings          |                  |
| Fertilizer                      | Polash    | Broadcast  | 150       | Between Cuttings          |                  |
| Fertilizer                      | 32% UAN   | Broadcast  | 20        | Greenup                   |                  |
| Fertilizer                      | 32% UAN   | Broadcast  | 15        | Between Cuttings          |                  |

| Ghostlaw 3                      |           |  |           | Acres: 7.2                |                  |
|---------------------------------|-----------|--|-----------|---------------------------|------------------|
| Sample Date: 4 / 2024           |           | Crop: GIT8   |           | Mgt. Implication: N-Based | P-Index: 59 / 38 |
| P: 10 K: 54 pH: 7.2 OM (%): 3.4 |           | PI Method: Surface spread with >= 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path) |           |                           |                  |
| Comments:                       |           | PI Timing: Sod after last cutting (fall/winter)  |           |                           |                  |
| Type                            | Treatment | Method   | Rate/Acre | Timing                    |                  |
| Manure                          | Cow Barn  | Top Dress/Incorp. After 5 Days   | 6,000     | Previously Applied        |                  |
| Manure                          | Cow Barn  | Top Dress/Incorp. After 5 Days   | 4,000     | Between Cuttings          |                  |
| Fertilizer                      | 32% UAN   | Broadcast  | 20        | Greenup                   |                  |
| Fertilizer                      | 32% UAN   | Broadcast  | 15        | Between Cuttings          |                  |

| Mainville Triangle               |           |  |           | Acres: 3.6                |                  |
|----------------------------------|-----------|--|-----------|---------------------------|------------------|
| Sample Date: 4 / 2024            |           | Crop: GIT11  |           | Mgt. Implication: N-Based | P-Index: 42 / 21 |
| P: 13 K: 292 pH: 7.1 OM (%): 4.3 |           | PI Method: Surface spread with >= 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path) |           |                           |                  |
| Comments:                        |           | PI Timing: Sod after last cutting (fall/winter)  |           |                           |                  |
| Type                             | Treatment | Method   | Rate/Acre | Timing                    |                  |
| Manure                           | Cow Barn  | Top Dress/Incorp. After 5 Days   | 6,000     | Previously Applied        |                  |
| Manure                           | Cow Barn  | Top Dress/Incorp. After 5 Days   | 4,000     | Between Cuttings          |                  |
| Fertilizer                       | 32% UAN   | Broadcast  | 20        | Greenup                   |                  |
| Fertilizer                       | 32% UAN   | Broadcast  | 15        | Between Cuttings          |                  |



| River field                      |                |                                |           | Acres: 1.6   |                  |
|----------------------------------|----------------|--------------------------------|-----------|--|------------------|
| Sample Date: 11 / 2022           |                | Crop: GIT3                     |           | Mgt. Implication:  | P-Index: 67 / 67 |
| P: 11 K: 171 pH: 6.3 OM (%): 4.1 |                |                                |           | PI Method: Surface spread with >= 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path) |                  |
| Comments:                        |                |                                |           | PI Timing: Sod after last cutting (fall/winter)  |                  |
| Type                             | Treatment      | Method                         | Rate/Acre | Timing   |                  |
| Manure                           | Cow Barn       | Top Dress/Incorp. After 5 Days | 6,000     | Previously Applied   |                  |
| Manure                           | Heifer Barn DS | Top Dress/Incorp. After 5 Days | 2,000     | Between Cuttings   |                  |
| Manure                           | Cow Barn       | Top Dress/Incorp. After 5 Days | 4,000     | Between Cuttings   |                  |
| Fertilizer                       | 32% UAN        | Broadcast                      | 20        | Greenup  |                  |
| Fertilizer                       | 32% UAN        | Broadcast                      | 15        | Between Cuttings   |                  |

| Tracks                                   |                |  |           |                  | Acres: 7.7 |                  |
|--|----------------|--|-----------|------------------|------------|------------------|
| Sample Date: 11 / 2022                   |                | Crop: GIT8   |           | Mgt Implication: | N-Based    | P-Index: 67 / 59 |
| P: 4    K: 154    pH: 6.6    OM (%): 4.9 |                | PI Method: Surface spread with >= 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path) |           |                  |            |                  |
| Comments:                                |                | PI Timing: Sod after last cutting (fall/winter)  |           |                  |            |                  |
| Type                                     | Treatment      | Method   | Rate/Acre | Timing           |            |                  |
| Manure                                   | Heifer Barn DS | Top Dress/Incorp. After 5 Days   | 2,000     | Between Cuttings |            |                  |
| Manure                                   | Slurry Store   | Top Dress/Incorp. After 5 Days   | 4,000     | Between Cuttings |            |                  |
| Fertilizer                               | 32% UAN        | Broadcast  | 20        | Greenup          |            |                  |
| Fertilizer                               | 32% UAN        | Broadcast  | 15        | Between Cuttings |            |                  |

**GRT**      Grasses - Established

**Murphys**

Acres: 11.9

Sample Date: 4 / 2024      Crop: GRT19

Mgt. Implication:      N/A

P-Index: 50 / 38

P: 4    K: 144    pH: 7.0    OM (%): 4.3

Comments:

**PI Method:** Surface spread with >= 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path)

**PI Timing:** Sod after last cutting (fall/winter)

| Type | Treatment | Method | Rate/Acre | Timing |
|------|-----------|--------|-----------|--------|
|------|-----------|--------|-----------|--------|

**Pasture**

Acres: 7.5

Sample Date: 4 / 2024      Crop: GRT14

Mgt. Implication:      N/A

P-Index: 67 / 67

P: 16    K: 200    pH: 7.0    OM (%): 2.9

Comments:

**PI Method:** Surface spread with >= 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path)

**PI Timing:** Sod after last cutting (fall/winter)

| Type | Treatment | Method | Rate/Acre | Timing |
|------|-----------|--------|-----------|--------|
|------|-----------|--------|-----------|--------|

**Steen Pond Grass**

Acres: 5.9

Sample Date: 4 / 2024      Crop: GRT14

Mgt. Implication:      N/A

P-Index: 67 / 55

P: 24    K: 269    pH: 7.4    OM (%): 4.5

Comments:

**PI Method:** Surface spread with >= 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path)

**PI Timing:** Sod after last cutting (fall/winter)

| Type | Treatment | Method | Rate/Acre | Timing |
|------|-----------|--------|-----------|--------|
|------|-----------|--------|-----------|--------|

# SOY Soybeans - Annual

AR 32

Acres: 30.3

Sample Date: 4 / 2024 Crop: SOY1

P-Based

P-Index: 80 / 40

P: 28 K: 248 pH: 6.7 OM (%): 3.1

Comments:

PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path)

PI Timing: Bare ground/more than 2 weeks before planting

| Type | Treatment | Method | Rate/Acre | Timing |
|------|-----------|--------|-----------|--------|
|------|-----------|--------|-----------|--------|

Manure Heifer Barn DS Top Dress/Incorp. After 5 Days 3,000 Before Planting

Fertilizer 5-10-40 Starter 2x2 100 At Planting

Powerlines

Acres: 21.2

Sample Date: 4 / 2024 Crop: SOY1

P-Based

P-Index: 80 / 40

P: 7 K: 52 pH: 6.7 OM (%): 1.6

Comments:

PI Method: Surface spread with >= 100-ft setback from the field boundary (start of the predominant flow path)

PI Timing: Bare ground/more than 2 weeks before planting

| Type | Treatment | Method | Rate/Acre | Timing |
|------|-----------|--------|-----------|--------|
|------|-----------|--------|-----------|--------|

Manure Heifer Barn DS Top Dress/Incorp. After 5 Days 6,000 Previously Applied

Fertilizer 5-10-40 Broadcast 100 At Planting



Champlain Valley  
AGRONOMICS



Spring Fertilizer Broadcast Plan

Greenup



| Field Name           | Crop | Acres | Fertilizer | Rate/ac. | Unit    |
|----------------------|------|-------|------------|----------|---------|
| Across Road          | GIT  | 5.0   | 32% UAN    | 20       | Gallons |
| Apartment Fields     | GIT  | 6.0   | 32% UAN    | 20       | Gallons |
| Bernards             | GIT  | 16.9  | 32% UAN    | 20       | Gallons |
| Fathers across ditch | GIT  | 2.8   | 32% UAN    | 20       | Gallons |
| Ghostlaw 1           | GIT  | 28.5  | 32% UAN    | 20       | Gallons |
| Ghostlaw 2           | GIT  | 18.1  | 32% UAN    | 20       | Gallons |
| Ghostlaw 3           | GIT  | 7.2   | 32% UAN    | 20       | Gallons |
| Mainville Triangle   | GIT  | 3.6   | 32% UAN    | 20       | Gallons |
| River field          | GIT  | 1.6   | 32% UAN    | 20       | Gallons |
| Tracks               | GIT  | 7.7   | 32% UAN    | 20       | Gallons |
| Total:               |      | 97.3  |            | 1,946    | Gallons |

Before Planting



| Field Name  | Crop | Acres | Fertilizer | Rate/ac. | Unit   |
|-------------|------|-------|------------|----------|--------|
| Eddie House | COS  | 13.3  | Potash     | 150      | Pounds |
| Total:      |      | 13.3  |            | 1,998    | Pounds |

Before Planting



| Field Name | Crop | Acres | Fertilizer | Rate/ac. | Unit   |
|------------|------|-------|------------|----------|--------|
| AR 13      | COS  | 16.0  | Triple 18  | 100      | Pounds |
| Eddie Hill | COS  | 3.3   | Triple 18  | 100      | Pounds |
| Total:     |      | 19.3  |            | 1,932    | Pounds |



Greenup



| Field Name          | Crop | Acres | Fertilizer | Rate/ac. | Unit   |
|---------------------|------|-------|------------|----------|--------|
| Back hill on Rickys | AGT  | 9.8   | Urea       | 100      | Pounds |
| The hill on Rickys  | AGT  | 12.0  | Urea       | 150      | Pounds |
| Total:              |      | 21.8  |            | 2,773    | Pounds |

Notes: S is recommended to be applied before planting prior to the final tillage pass.

## Spring Manure Spreading Plan

**Notes:** \* Blue = 100-ft setback from the field boundary (start of the predominant flow path)

\* Bold = Apply within 2 weeks of planting (in spring)

### Before Planting

| Field Name        | Crop | Acres | Source   | Method                         | Rate/ac | Unit    |
|-------------------|------|-------|----------|--------------------------------|---------|---------|
| Western Fields    | COS1 | 41.8  | Cow Barn | Spring Incorp. Within 1 Day    | 5,000   | Gallons |
| The 100 Acres     | COS2 | 106.5 | Cow Barn | Spring Incorp. Within 1 Day    | 4,000   | Gallons |
| Steen Pond Corn   | COS4 | 11.3  | Cow Barn | Spring Incorp. Within 1 Day    | 4,000   | Gallons |
| Steen House       | COS3 | 10.2  | Cow Barn | Spring Incorp. Within 1 Day    | 4,000   | Gallons |
| Smillie           | COS5 | 52.2  | Cow Barn | Top Dress/Incorp. After 5 Days | 8,000   | Gallons |
| Scary Hill        | COS5 | 10.6  | Cow Barn | Top Dress/Incorp. After 5 Days | 8,000   | Gallons |
| Scanlon B         | COS2 | 4.7   | Cow Barn | Spring Incorp. Within 1 Day    | 4,000   | Gallons |
| Scanlon A         | COS2 | 17.6  | Cow Barn | Spring Incorp. Within 1 Day    | 4,000   | Gallons |
| McDonald 70       | COS2 | 58.3  | Cow Barn | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| Masuk North       | COS1 | 7.9   | Cow Barn | Top Dress/Incorp. After 5 Days | 9,000   | Gallons |
| Masuk H West      | COS1 | 19.8  | Cow Barn | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| Masuk Greenhouse  | COS1 | 7.5   | Cow Barn | Top Dress/Incorp. After 5 Days | 8,000   | Gallons |
| Masuk C West      | COS1 | 14.2  | Cow Barn | Top Dress/Incorp. After 5 Days | 8,000   | Gallons |
| Masuk C East      | COS1 | 77.7  | Cow Barn | Top Dress/Incorp. After 5 Days | 8,000   | Gallons |
| Fathers Rock Hill | COS3 | 30.8  | Cow Barn | Spring Incorp. Within 1 Day    | 4,000   | Gallons |
| Eddie House       | COS5 | 13.3  | Cow Barn | Top Dress/Incorp. After 5 Days | 4,500   | Gallons |
| Eddie Hill        | COS5 | 3.3   | Cow Barn | Top Dress/Incorp. After 5 Days | 8,000   | Gallons |
| Eddie Across Road | COS3 | 3.8   | Cow Barn | Top Dress/Incorp. After 5 Days | 8,000   | Gallons |
| Durants hill      | COS4 | 10.7  | Cow Barn | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| Con Pit Side      | COS9 | 44.3  | Cow Barn | Spring Incorp. Within 1 Day    | 8,000   | Gallons |
| Con 2             | COS5 | 29.9  | Cow Barn | Top Dress/Incorp. After 5 Days | 8,000   | Gallons |
| Co Rt 4 East      | COS3 | 27.1  | Cow Barn | Top Dress/Incorp. After 5 Days | 6,000   | Gallons |
| Bottom of Rickies | COS6 | 18.8  | Cow Barn | Top Dress/Incorp. After 5 Days | 8,000   | Gallons |
| AR 6              | COS3 | 6.3   | Cow Barn | Top Dress/Incorp. After 5 Days | 6,000   | Gallons |
| AR 5              | COS6 | 4.4   | Cow Barn | Top Dress/Incorp. After 5 Days | 6,000   | Gallons |

## Before Planting

| Field Name          | Crop | Acres | Source   | Method                         | Rate/ac   | Unit    |
|---------------------|------|-------|----------|--------------------------------|-----------|---------|
| AR 20               | COS1 | 18.2  | Cow Barn | Top Dress/Incorp. After 5 Days | 8,000     | Gallons |
| AR 13               | COS6 | 16.0  | Cow Barn | Top Dress/Incorp. After 5 Days | 4,000     | Gallons |
| AR 11               | COS6 | 10.9  | Cow Barn | Spring Incorp. Within 1 Day    | 4,000     | Gallons |
| Across from fathers | COS4 | 9.4   | Cow Barn | Top Dress/Incorp. After 5 Days | 4,000     | Gallons |
| Total:              |      | 687.2 |          |                                | 4,034,100 | Gallons |

| Field Name   | Crop | Acres | Source         | Method                         | Rate/ac | Unit    |
|--------------|------|-------|----------------|--------------------------------|---------|---------|
| Co Rt 4 East | COS3 | 27.1  | Heifer Barn DS | Top Dress/Incorp. After 5 Days | 2,000   | Gallons |
| AR 11        | COS6 | 10.9  | Heifer Barn DS | Spring Incorp. Within 1 Day    | 5,000   | Gallons |
| AR 32        | SOY1 | 30.3  | Heifer Barn DS | Top Dress/Incorp. After 5 Days | 3,000   | Gallons |
| Total:       |      | 68.3  |                |                                | 199,540 | Gallons |

| Field Name        | Crop | Acres | Source       | Method                         | Rate/ac | Unit    |
|-------------------|------|-------|--------------|--------------------------------|---------|---------|
| FC Frye Road      | COS2 | 29.4  | Slurry Store | Top Dress/Incorp. After 5 Days | 5,000   | Gallons |
| Fathers Rock Hill | COS3 | 30.8  | Slurry Store | Spring Incorp. Within 1 Day    | 2,000   | Gallons |
| Durants hill      | COS4 | 10.7  | Slurry Store | Top Dress/Incorp. After 5 Days | 2,000   | Gallons |
| AR 6              | COS3 | 6.3   | Slurry Store | Top Dress/Incorp. After 5 Days | 2,000   | Gallons |
| AR 5              | COS6 | 4.4   | Slurry Store | Top Dress/Incorp. After 5 Days | 3,000   | Gallons |
| AR 13             | COS6 | 16.0  | Slurry Store | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| Total:            |      | 97.5  |              |                                | 319,340 | Gallons |

**Notes:** \* This report outlines the fields that are planned for manure application prior to planting.

\* Blue = 100-ft setback from the field boundary (start of the predominant flow path)

\* Bold = Apply within 2 weeks of planting (in spring)



Champlain Valley  
Agricultural

## Summer Fertilizer Broadcast Plan

Treatment : 32% UAN

| Field Name           | Crop | Acres | Fertilizer | Rate/ac. | Unit    |
|----------------------|------|-------|------------|----------|---------|
| Across Road          | GIT  | 5.0   | 32% UAN    | 15       | Gallons |
| Tracks               | GIT  | 7.7   | 32% UAN    | 15       | Gallons |
| Apartment Fields     | GIT  | 6.0   | 32% UAN    | 15       | Gallons |
| Ghostlaw 3           | GIT  | 7.2   | 32% UAN    | 15       | Gallons |
| Mairville Triangle   | GIT  | 3.6   | 32% UAN    | 15       | Gallons |
| Ghostlaw 1           | GIT  | 28.5  | 32% UAN    | 15       | Gallons |
| Ghostlaw 2           | GIT  | 18.1  | 32% UAN    | 15       | Gallons |
| Bernards             | GIT  | 16.9  | 32% UAN    | 15       | Gallons |
| River field          | GIT  | 1.6   | 32% UAN    | 15       | Gallons |
| Fathers across ditch | GIT  | 2.8   | 32% UAN    | 15       | Gallons |
| Total:               |      | 97.3  |            | 1,459    | Gallons |

## Treatment : Potash

| Field Name | Crop | Acres | Fertilizer | Rate/ac. | Unit   |
|------------|------|-------|------------|----------|--------|
| Ghostlaw 1 | GIT  | 28.5  | Potash     | 150      | Pounds |
| Ghostlaw 2 | GIT  | 18.1  | Potash     | 150      | Pounds |
| Total:     |      | 46.5  |            | 6,980    | Pounds |

**Notes:** This report outlines the fertilizer treatments that are recommended to be applied between cuttings.

Summer Manure Spreading Plan

Notes: \* Green = 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path)

Between Cuttings

| Field Name           | Crop | Acres | Source         | Method                         | Rate/ac | Unit    |
|----------------------|------|-------|----------------|--------------------------------|---------|---------|
| Across Road          | GIT  | 5.0   | Heifer Barn DS | Top Dress/Incorp. After 5 Days | 2,000   | Gallons |
| Across Road          | GIT  | 5.0   | Cow Barn       | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| Apartment Fields     | GIT  | 6.0   | Cow Barn       | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| Apartment Fields     | GIT  | 6.0   | Heifer Barn DS | Top Dress/Incorp. After 5 Days | 2,000   | Gallons |
| Back hill on Rickys  | AGT  | 9.8   | Slurry Store   | Top Dress/Incorp. After 5 Days | 2,500   | Gallons |
| Bernards             | GIT  | 16.9  | Heifer Barn DS | Top Dress/Incorp. After 5 Days | 2,000   | Gallons |
| Bernards             | GIT  | 16.9  | Slurry Store   | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| athers across ditch  | GIT  | 2.8   | Cow Barn       | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| Fathers across ditch | GIT  | 2.8   | Heifer Barn DS | Top Dress/Incorp. After 5 Days | 2,000   | Gallons |
| Ghostlaw 1           | GIT  | 28.5  | Cow Barn       | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| Ghostlaw 1           | GIT  | 28.5  | Cow Barn       | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| Ghostlaw 2           | GIT  | 18.1  | Cow Barn       | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| Ghostlaw 2           | GIT  | 18.1  | Cow Barn       | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| Ghostlaw 3           | GIT  | 7.2   | Cow Barn       | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| Mainville Triangle   | GIT  | 3.6   | Cow Barn       | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| River field          | GIT  | 1.6   | Heifer Barn DS | Top Dress/Incorp. After 5 Days | 2,000   | Gallons |
| River field          | GIT  | 1.6   | Cow Barn       | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| The hill on Rickys   | AGT  | 12.0  | Slurry Store   | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| Tracks               | GIT  | 7.7   | Heifer Barn DS | Top Dress/Incorp. After 5 Days | 2,000   | Gallons |
| Tracks               | GIT  | 7.7   | Slurry Store   | Top Dress/Incorp. After 5 Days | 4,000   | Gallons |
| Total:               |      | 205.5 |                |                                | 727,475 | Gallons |

Notes: \* This report outlines the fields that are planned for manure application between cuttings.





\* Green = 35-ft managed vegetated (sod harvested) setback from the field boundary (start of the predominant flow path)



Champlain Valley  
A G R O N O M I C S



## Spring pH & Liming Report

### COS

Min. pH: 6.00

Desired. pH: 6.20

|                     | Sample Date | Acres | pH   | Lime Tons/Acre | Lime Tons/Field |
|---------------------|-------------|-------|------|----------------|-----------------|
| [REDACTED]          |             |       |      |                |                 |
| Across from fathers | 11/14/2022  | 9.36  | 5.80 | 0.60           | 5.6             |
| FC CR 42            | 11/14/2022  | 31.68 | 5.80 | 1.10           | 34.8            |
|                     |             |       |      |                | 40.5            |

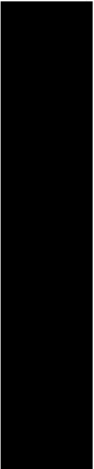
Total Tons Lime Needed: 40.5  
ENV% 87

**Note:** If the soil pH is 6.0 or less and a new legume seeding is planned, the liming material should be applied at least six months before seeding. If the pH is 5.5 or lower, apply lime a year in advance of the new legume seeding. When the lime requirement is more than 4 tons/acre, use a split application. If there is insufficient time for an adequate reaction, half of the recommended lime should be plowed down and the remainder disked into the soil surface before seeding.

<http://nmisp.cals.cornell.edu/publications/factsheets/factsheet5.pdf>  
<http://nmisp.cals.cornell.edu/publications/factsheets/factsheet6.pdf>  
<http://nmisp.cals.cornell.edu/publications/factsheets/factsheet7.pdf>  
<http://nmisp.cals.cornell.edu/publications/factsheets/factsheet48.pdf>  
<http://nmisp.cals.cornell.edu/publications/factsheets/factsheet54.pdf>



Champlain Valley  
Agricultural Experiment Station



Soil Test Report

| Field Name           | Sample Date | pH  | P  | K   | Mg    | Ca    | Mn | Zn  | Fe | Al  | OM   |
|----------------------|-------------|-----|----|-----|-------|-------|----|-----|----|-----|------|
| Across from fathers  | 11/14/2022  | 5.8 | 5  | 105 | 331   | 1,835 | 9  | 1.4 | 46 | 123 | 2.6% |
| Across Road          | 4/20/2024   | 6.5 | 13 | 138 | 2,071 | 6,687 | 8  | 1.8 | 4  | 23  | 6.1% |
| Apartment Fields     | 11/14/2022  | 7.3 | 4  | 98  | 824   | 3,951 | 19 | 1.5 | 5  | 13  | 3.8% |
| AR 11                | 4/20/2024   | 6.9 | 11 | 144 | 1,371 | 5,821 | 6  | 2.3 | 5  | 21  | 3.5% |
| AR 13                | 4/20/2024   | 6.5 | 5  | 109 | 981   | 3,812 | 13 | 2.6 | 3  | 21  | 4.0% |
| AR 20                | 4/20/2024   | 6.7 | 9  | 154 | 1,063 | 4,104 | 10 | 1.6 | 7  | 27  | 2.7% |
| AR 32                | 4/20/2024   | 6.7 | 28 | 248 | 1,336 | 5,431 | 8  | 3.2 | 8  | 22  | 3.1% |
| AR 5                 | 4/20/2024   | 7.0 | 16 | 125 | 1,247 | 4,722 | 7  | 2.9 | 4  | 13  | 3.7% |
| AR 6                 | 4/20/2024   | 6.7 | 4  | 134 | 1,149 | 4,371 | 10 | 1.8 | 7  | 24  | 2.4% |
| Back hill on Rickys  | 11/14/2022  | 7.0 | 5  | 134 | 700   | 3,539 | 16 | 2.4 | 9  | 46  | 2.7% |
| Bernards             | 11/14/2022  | 6.5 | 6  | 109 | 916   | 4,196 | 12 | 1.6 | 10 | 28  | 3.9% |
| Bottom of Rickies    | 4/20/2024   | 6.8 | 3  | 59  | 727   | 3,714 | 14 | 0.7 | 3  | 19  | 2.7% |
| Co Rt 4 East         | 4/20/2024   | 7.1 | 6  | 151 | 1,945 | 7,333 | 10 | 2.4 | 4  | 38  | 5.2% |
| Co Rt 4 West         | 4/20/2024   | 6.7 | 6  | 90  | 839   | 3,340 | 9  | 1.4 | 8  | 39  | 2.9% |
| Con 2                | 11/14/2022  | 6.1 | 5  | 117 | 1,197 | 5,174 | 11 | 1.8 | 19 | 54  | 3.2% |
| Con Pit Side         | 11/14/2022  | 6.9 | 4  | 104 | 987   | 4,561 | 10 | 0.9 | 7  | 35  | 2.4% |
| Durants hill         | 11/14/2022  | 6.3 | 7  | 144 | 1,023 | 4,010 | 17 | 2.0 | 26 | 53  | 3.8% |
| Eddie Across Road    | 4/20/2024   | 7.4 | 5  | 125 | 966   | 3,990 | 10 | 1.4 | 3  | 16  | 3.3% |
| Eddie Hill           | 4/20/2024   | 7.3 | 2  | 84  | 1,137 | 4,291 | 12 | 1.2 | 2  | 17  | 3.3% |
| Eddie House          | 4/20/2024   | 6.4 | 3  | 76  | 216   | 1,473 | 6  | 1.3 | 9  | 70  | 1.9% |
| Fathers across ditch | 12/1/2021   | 6.4 | 2  | 158 | 1,534 | 4,658 | 14 | 3.1 | 13 | 88  | 2.6% |
| Fathers Rock Hill    | 11/14/2022  | 6.3 | 3  | 131 | 1,119 | 4,131 | 17 | 1.8 | 15 | 55  | 3.4% |
| FC Back              | 11/14/2022  | 6.1 | 4  | 118 | 1,360 | 5,433 | 8  | 0.8 | 12 | 58  | 3.5% |
| FC CR 42             | 11/14/2022  | 5.8 | 3  | 101 | 995   | 4,334 | 18 | 1.1 | 31 | 134 | 3.1% |
| FC Frye Road         | 11/14/2022  | 6.7 | 5  | 175 | 1,345 | 7,272 | 11 | 0.8 | 8  | 55  | 3.9% |
| Ghostlaw 1           | 4/20/2024   | 7.4 | 8  | 41  | 471   | 5,195 | 16 | 0.7 | 4  | 18  | 3.4% |
| Ghostlaw 2           | 4/20/2024   | 7.3 | 15 | 40  | 470   | 5,302 | 13 | 0.7 | 4  | 21  | 4.4% |
| Ghostlaw 3           | 4/20/2024   | 7.2 | 10 | 54  | 450   | 4,627 | 13 | 0.6 | 4  | 27  | 3.4% |
| Mainville Triangle   | 4/20/2024   | 7.1 | 13 | 292 | 1,377 | 5,143 | 14 | 2.7 | 3  | 20  | 4.3% |
| Masuk C East         | 4/24/2024   | 6.6 | 6  | 78  | 1,013 | 4,976 | 13 | 0.8 | 3  | 16  | 4.1% |

| Field Name         | Sample Date | pH  | P  | K   | Mg    | Ca    | Mn | Zn  | Fe | Al | OM   |
|--------------------|-------------|-----|----|-----|-------|-------|----|-----|----|----|------|
| Masuk C West       | 1/1/2000    | 7.0 | 3  | 100 | 0     | 0     | 0  | 0.0 | 0  | 0  | 0.0% |
| Masuk Greenhouse   | 4/20/2024   | 6.8 | 5  | 78  | 1,000 | 4,754 | 15 | 0.7 | 3  | 20 | 3.8% |
| Masuk H West       | 4/20/2024   | 6.9 | 4  | 85  | 1,189 | 5,851 | 17 | 0.8 | 3  | 16 | 5.3% |
| Masuk North        | 4/20/2024   | 6.5 | 8  | 80  | 772   | 3,907 | 23 | 1.3 | 3  | 23 | 5.3% |
| McDonald 70        | 4/20/2024   | 6.0 | 2  | 104 | 743   | 3,918 | 16 | 1.0 | 9  | 38 | 3.1% |
| Murphys            | 4/20/2024   | 7.0 | 4  | 144 | 767   | 4,062 | 20 | 1.5 | 3  | 11 | 4.3% |
| Pasture            | 4/20/2024   | 7.0 | 16 | 200 | 719   | 3,200 | 9  | 1.5 | 7  | 21 | 2.9% |
| Powerlines         | 4/20/2024   | 6.7 | 7  | 52  | 300   | 2,048 | 7  | 1.6 | 8  | 26 | 1.6% |
| River field        | 11/14/2022  | 6.3 | 11 | 171 | 1,105 | 3,665 | 10 | 2.7 | 26 | 56 | 4.1% |
| Scanlon A          | 11/14/2022  | 7.2 | 16 | 184 | 981   | 4,501 | 12 | 2.3 | 11 | 38 | 2.8% |
| Scanlon B          | 11/14/2022  | 6.8 | 8  | 128 | 1,244 | 5,171 | 9  | 1.9 | 7  | 35 | 3.6% |
| Scary Hill         | 4/20/2024   | 7.4 | 3  | 98  | 1,003 | 4,926 | 15 | 0.9 | 2  | 13 | 4.1% |
| Smille             | 4/20/2024   | 6.6 | 2  | 79  | 875   | 3,423 | 7  | 0.9 | 11 | 37 | 1.1% |
| Steen House        | 4/20/2024   | 6.9 | 5  | 74  | 373   | 2,232 | 7  | 1.4 | 4  | 31 | 2.4% |
| Steen Pond Corn    | 4/20/2024   | 7.1 | 3  | 112 | 825   | 4,070 | 14 | 1.0 | 3  | 17 | 3.4% |
| Steen Pond Grass   | 4/24/2024   | 7.4 | 24 | 269 | 1,065 | 4,904 | 24 | 2.8 | 7  | 12 | 4.5% |
| The 100 Acres      | 4/20/2024   | 6.3 | 4  | 123 | 1,187 | 4,000 | 8  | 1.0 | 9  | 54 | 1.4% |
| The hill on Rickys | 11/14/2022  | 7.0 | 5  | 134 | 700   | 3,539 | 16 | 2.4 | 9  | 46 | 2.7% |
| Tracks             | 11/14/2022  | 6.6 | 4  | 154 | 1,557 | 6,257 | 12 | 1.2 | 11 | 64 | 4.9% |
| Western Fields     | 4/20/2024   | 6.6 | 2  | 48  | 326   | 2,016 | 13 | 0.9 | 2  | 17 | 2.2% |

\* Soil was analyzed by the Dairy One Agronomy Services.

\* Test Methods: All soil samples were analyzed using the original Morgan extraction method. All nutrient levels are reported as lbs/ac in dry soil. Organic Matter is reported as percent by weight.

\* Sample Dates highlighted yellow indicate that the sample is > 3 years old.

\* Soil Test P values > 9lbs/ac are colored red.



Champlain Valley  
Agronomics



## Crop Rotation Plan 2025

The accuracy of the information below will directly relate to the accuracy of our fall recommendations. Please fill out the information to the best of your knowledge understanding that some (or many) things will change before the 2021 crop season. If you have questions or need assistance, someone in our office will be more than happy to assist you in any way that we can.

Cornell Crop Codes: (The number after the crop code denotes the year in crop, please specify.)  
 COS=Corn Silage / COG=Corn Grain / AGE = Alfalfa/Grass Seeding / AGT=Alfalfa/Grass / GIT=Grass 3+ cuttings / GRT=Grass 1-2 cuttings

| Field Name           | Acres | 2024 Crop<br>Planned | 2024 Crop<br>Confirmed | 2025 Crop<br>Planned | Comments |
|----------------------|-------|----------------------|------------------------|----------------------|----------|
| Across from fathers  | 9.36  | SOY1                 | COS11age               | COS                  |          |
| Across Road          | 4.95  | GIT2                 | GRT                    | GIT3                 |          |
| Apartment Fields     | 5.96  | GIT11                | GIT11                  | GIT12                |          |
| AR 11                | 10.89 | SOY1                 | COS11age               | COS11age             |          |
| AR 13                | 15.99 | COS5                 | COS5                   | COS                  |          |
| AR 20                | 18.22 | SOY1                 | SOY1                   | COS1                 |          |
| AR 32                | 30.33 | COS3                 | COS3                   | SOY                  |          |
| AR 5                 | 4.37  | COS5                 | COS5                   | COS                  |          |
| AR 6                 | 6.26  | SOY1                 | COS                    | COS                  |          |
| Back hill on Rickys  | 9.79  | AGT4                 | AGE4                   | AGE5                 |          |
| Bernards             | 16.90 | GIT10                | GIT10                  | GIT11                |          |
| Bottom of Rickies    | 18.83 | COS5                 | COS5                   | COS6                 |          |
| Co Rt 4 East         | 27.05 | COS2                 | COS2                   | COS                  |          |
| Co Rt 4 West         | 14.10 | COS3                 | COS3                   | GCOS                 |          |
| Con 2                | 29.88 | COS4                 | COS4                   | COS                  |          |
| Con Pit Side         | 44.27 | SOY1                 | COS                    | COS                  |          |
| Durants hill         | 10.69 | COS3                 | COS                    | COS                  |          |
| Eddie Across Road    | 3.84  | COS2                 | COS                    | COS                  |          |
| Eddie Hill           | 3.33  | COS4                 | COS                    | COS                  |          |
| Eddie House          | 13.32 | COS4                 | COS                    | COS                  |          |
| Fathers across ditch | 2.84  | GIT7                 | COS                    | COS                  |          |
| Fathers Rock Hill    | 30.81 | COS2                 | COS                    | COS                  |          |
| FC Back              | 25.09 | COS1                 | COS                    | COS                  |          |
| FC CR 42             | 31.68 | COS1                 | COS                    | COS                  |          |
| FC Frye Road         | 29.35 | COS1                 | COS                    | COS                  |          |
| Ghostlaw 1           | 28.46 | GIT7                 | GRT7                   | GRT8                 |          |



Champlain Valley  
AGRONOMICS

| Field Name         | Acres  | 2024 Crop<br>Planned | 2024 Crop<br>Confirmed | 2025 Crop<br>Planned | Comments |
|--------------------|--------|----------------------|------------------------|----------------------|----------|
| Ghostlaw 2         | 18.07  | GIT7                 |                        |                      |          |
| Ghostlaw 3         | 7.20   | GIT7                 |                        |                      |          |
| Mainville Triangle | 3.59   | GIT10                |                        |                      |          |
| McDonald 70        | 58.29  | COS1                 |                        |                      |          |
| Pasture            | 7.47   | GR13                 |                        |                      |          |
| Powerlines         | 21.21  | COS4                 |                        |                      |          |
| River field        | 1.57   | GIT2                 |                        |                      |          |
| Scanlon A          | 17.57  | COS1                 |                        |                      |          |
| Scanlon B          | 4.66   | COS1                 |                        |                      |          |
| Scary Hill         | 10.55  | COS4                 |                        |                      |          |
| Smillie            | 52.17  | COS4                 |                        |                      |          |
| Steen House        | 10.15  | COS2                 |                        |                      |          |
| Steen Pond         | 17.47  | COS7                 |                        |                      |          |
| The 100 Acres      | 106.48 | COS1                 |                        |                      |          |
| The hill on Rickys | 11.96  | AGT4                 |                        |                      |          |
| Tracks             | 7.74   | GIT7                 |                        |                      |          |
| Total              | 802.71 |                      |                        |                      |          |



Champlain Valley  
AGRONOMICS

| Field Name         | Acres  | 2024 Crop<br>Planned | 2024 Crop<br>Confirmed | 2025 Crop<br>Planned | Comments           |
|--------------------|--------|----------------------|------------------------|----------------------|--------------------|
| Ghostlaw 2         | 18.07  | GIT7                 | 6FT7                   | GIT 8                |                    |
| Ghostlaw 3         | 7.20   | GIT7                 | 6FT7                   | GIT 8                |                    |
| Mainville Triangle | 3.59   | GIT10                | 6FT10                  | GIT 11               |                    |
| McDonald 70        | 58.29  | COS1                 | COS1                   | COS1                 |                    |
| Pasture            | 7.47   | GRT3                 | 6FT3                   | 6FT4                 |                    |
| Powerlines         | 21.21  | COS4                 | COS4                   | <del>6FT</del> 504   |                    |
| River field        | 1.57   | GIT2                 | 6FT2                   | 6FT3                 |                    |
| Scanlon A          | 17.57  | COS1                 | COS1                   | COS2                 |                    |
| Scanlon B          | 4.66   | COS1                 | COS1                   | COS2                 |                    |
| Scary Hill         | 10.55  | COS4                 | COS4                   | COS5                 | winter wheat cover |
| Smillie            | 52.17  | COS4                 | COS4                   | COS4                 |                    |
| Steen House        | 10.15  | COS2                 | COS2                   | COS3                 |                    |
| Steen Pond         | 17.47  | COS7                 | COS7                   | COS8                 |                    |
| The 100 Acres      | 106.48 | COS1                 | COS1                   | COS1                 |                    |
| The hill on Rickys | 11.96  | AGT4                 | AGT4                   | AGT4                 |                    |
| Tracks             | 7.74   | GIT7                 | 6FT7                   | 6FT8                 |                    |
| Total              | 802.71 |                      |                        |                      |                    |



Champlain Valley  
Agronomics

# Waste Storage, Transfer, and Containment Structure Inspection Sheet

| Week | Date | Initials | Depth | Notes/Maintenance | Date Corrected |
|------|------|----------|-------|-------------------|----------------|
| 1    |      |          |       |                   |                |
| 2    |      |          |       |                   |                |
| 3    |      |          |       |                   |                |
| 4    |      |          |       |                   |                |
| 5    |      |          |       |                   |                |
| 6    |      |          |       |                   |                |
| 7    |      |          |       |                   |                |
| 8    |      |          |       |                   |                |
| 9    |      |          |       |                   |                |
| 10   |      |          |       |                   |                |
| 11   |      |          |       |                   |                |
| 12   |      |          |       |                   |                |
| 13   |      |          |       |                   |                |
| 14   |      |          |       |                   |                |

# Waste Storage, Transfer, and Containment Structure Inspection Sheet

| Week | Date | Initials | Depth | Notes/Maintenance | Date Corrected |
|------|------|----------|-------|-------------------|----------------|
| 1    |      |          |       |                   |                |
| 2    |      |          |       |                   |                |
| 3    |      |          |       |                   |                |
| 4    |      |          |       |                   |                |
| 5    |      |          |       |                   |                |
| 6    |      |          |       |                   |                |
| 7    |      |          |       |                   |                |
| 8    |      |          |       |                   |                |
| 9    |      |          |       |                   |                |
| 10   |      |          |       |                   |                |
| 11   |      |          |       |                   |                |
| 12   |      |          |       |                   |                |
| 13   |      |          |       |                   |                |
| 14   |      |          |       |                   |                |

# Waste Storage, Transfer, and Containment Structure Inspection Sheet

| Week | Date | Initials | Depth | Notes/Maintenance | Date Corrected |
|------|------|----------|-------|-------------------|----------------|
| 1    |      |          |       |                   |                |
| 2    |      |          |       |                   |                |
| 3    |      |          |       |                   |                |
| 4    |      |          |       |                   |                |
| 5    |      |          |       |                   |                |
| 6    |      |          |       |                   |                |
| 7    |      |          |       |                   |                |
| 8    |      |          |       |                   |                |
| 9    |      |          |       |                   |                |
| 10   |      |          |       |                   |                |
| 11   |      |          |       |                   |                |
| 12   |      |          |       |                   |                |
| 13   |      |          |       |                   |                |
| 14   |      |          |       |                   |                |

# Stormwater Devices Inspection Sheet

| Week | Date | Initials | Notes/Maintenance | Date Corrected |
|------|------|----------|-------------------|----------------|
| 1    |      |          |                   |                |
| 2    |      |          |                   |                |
| 3    |      |          |                   |                |
| 4    |      |          |                   |                |
| 5    |      |          |                   |                |
| 6    |      |          |                   |                |
| 7    |      |          |                   |                |
| 8    |      |          |                   |                |
| 9    |      |          |                   |                |
| 10   |      |          |                   |                |
| 11   |      |          |                   |                |
| 12   |      |          |                   |                |
| 13   |      |          |                   |                |
| 14   |      |          |                   |                |

# Leachate Collection and Treatment System Inspection Sheet

| Week | Date | Initials | Depth | Notes/Maintenance | Date Corrected |
|------|------|----------|-------|-------------------|----------------|
| 1    |      |          |       |                   |                |
| 2    |      |          |       |                   |                |
| 3    |      |          |       |                   |                |
| 4    |      |          |       |                   |                |
| 5    |      |          |       |                   |                |
| 6    |      |          |       |                   |                |
| 7    |      |          |       |                   |                |
| 8    |      |          |       |                   |                |
| 9    |      |          |       |                   |                |
| 10   |      |          |       |                   |                |
| 11   |      |          |       |                   |                |
| 12   |      |          |       |                   |                |
| 13   |      |          |       |                   |                |
| 14   |      |          |       |                   |                |

11/14/2022 15:00 17  
0.2  
26

# Soil Test Report

| Field Name           | Sample Date | pH  | P  | K   | Mg    | Ca    | Mn | Zn  | Fe | Al  | OM   |
|----------------------|-------------|-----|----|-----|-------|-------|----|-----|----|-----|------|
| Across from fathers  | 11/14/2022  | 5.8 | 5  | 105 | 331   | 1,835 | 9  | 1.4 | 46 | 123 | 2.6% |
| Across Road          | 4/20/2024   | 6.5 | 13 | 138 | 2,071 | 6,687 | 8  | 1.8 | 4  | 23  | 6.1% |
| Apartment Fields     | 11/14/2022  | 7.3 | 4  | 98  | 824   | 3,951 | 19 | 1.5 | 5  | 13  | 3.8% |
| AR 11                | 4/20/2024   | 6.9 | 11 | 144 | 1,371 | 5,821 | 6  | 2.3 | 5  | 21  | 3.5% |
| AR 13                | 4/20/2024   | 6.5 | 5  | 109 | 981   | 3,812 | 13 | 2.6 | 3  | 21  | 4.0% |
| AR 20                | 4/20/2024   | 6.7 | 9  | 154 | 1,063 | 4,104 | 10 | 1.6 | 7  | 27  | 2.7% |
| AR 32                | 4/20/2024   | 6.7 | 28 | 248 | 1,336 | 5,431 | 8  | 3.2 | 8  | 22  | 3.1% |
| AR 5                 | 4/20/2024   | 7.0 | 16 | 125 | 1,247 | 4,722 | 7  | 2.9 | 4  | 13  | 3.7% |
| AR 6                 | 4/20/2024   | 6.7 | 4  | 134 | 1,149 | 4,371 | 10 | 1.8 | 7  | 24  | 2.4% |
| Back hill on Rickys  | 11/14/2022  | 7.0 | 5  | 134 | 700   | 3,539 | 16 | 2.4 | 9  | 46  | 2.7% |
| Bernards             | 11/14/2022  | 6.5 | 6  | 109 | 916   | 4,196 | 12 | 1.6 | 10 | 28  | 3.9% |
| Bottom of Rickies    | 4/20/2024   | 6.8 | 3  | 59  | 727   | 3,714 | 14 | 0.7 | 3  | 19  | 2.7% |
| Co Rt 4 East         | 4/20/2024   | 7.1 | 6  | 151 | 1,945 | 7,333 | 10 | 2.4 | 4  | 38  | 5.2% |
| Co Rt 4 West         | 4/20/2024   | 6.7 | 6  | 90  | 839   | 3,340 | 9  | 1.4 | 8  | 39  | 2.9% |
| Con 2                | 11/14/2022  | 6.1 | 5  | 117 | 1,197 | 5,174 | 11 | 1.8 | 19 | 54  | 3.2% |
| Con Pit Side         | 11/14/2022  | 6.9 | 4  | 104 | 987   | 4,561 | 10 | 0.9 | 7  | 35  | 2.4% |
| Durants hill         | 11/14/2022  | 6.3 | 7  | 144 | 1,023 | 4,010 | 17 | 2.0 | 26 | 53  | 3.8% |
| Eddie Across Road    | 4/20/2024   | 7.4 | 5  | 125 | 966   | 3,990 | 10 | 1.4 | 3  | 16  | 3.3% |
| Eddie Hill           | 4/20/2024   | 7.3 | 2  | 84  | 1,137 | 4,291 | 12 | 1.2 | 2  | 17  | 3.3% |
| Eddie House          | 4/20/2024   | 6.4 | 3  | 76  | 216   | 1,473 | 6  | 1.3 | 9  | 70  | 1.9% |
| Fathers across ditch | 12/1/2021   | 6.4 | 2  | 158 | 1,534 | 4,658 | 14 | 3.1 | 13 | 88  | 2.6% |
| Fathers Rock Hill    | 11/14/2022  | 6.3 | 3  | 131 | 1,119 | 4,131 | 17 | 1.8 | 15 | 55  | 3.4% |
| FC Back              | 11/14/2022  | 6.1 | 4  | 118 | 1,360 | 5,433 | 8  | 0.8 | 12 | 58  | 3.5% |
| FC CR 42             | 11/14/2022  | 5.8 | 3  | 101 | 995   | 4,334 | 18 | 1.1 | 31 | 134 | 3.1% |
| FC Frye Road         | 11/14/2022  | 6.7 | 5  | 175 | 1,345 | 7,272 | 11 | 0.8 | 8  | 55  | 3.9% |
| Ghostlaw 1           | 4/20/2024   | 7.4 | 8  | 41  | 471   | 5,195 | 16 | 0.7 | 4  | 18  | 3.4% |
| Ghostlaw 2           | 4/20/2024   | 7.3 | 15 | 40  | 470   | 5,302 | 13 | 0.7 | 4  | 21  | 4.4% |
| Ghostlaw 3           | 4/20/2024   | 7.2 | 10 | 54  | 450   | 4,627 | 13 | 0.6 | 4  | 27  | 3.4% |
| Mainville Triangle   | 4/20/2024   | 7.1 | 13 | 292 | 1,377 | 5,143 | 14 | 2.7 | 3  | 20  | 4.3% |
| Masuk C East         | 4/24/2024   | 6.6 | 6  | 78  | 1,013 | 4,976 | 13 | 0.8 | 3  | 16  | 4.1% |



Champlain Valley  
Agricultural Mechanics

| Field Name         | Sample Date | pH  | P  | K   | Mg    | Ca    | Mn | Zn  | Fe | Al | OM   |
|--------------------|-------------|-----|----|-----|-------|-------|----|-----|----|----|------|
| Masuk C West       | 1/1/2000    | 7.0 | 3  | 100 | 0     | 0     | 0  | 0.0 | 0  | 0  | 0.0% |
| Masuk Greenhouse   | 4/20/2024   | 6.8 | 5  | 78  | 1,000 | 4,754 | 15 | 0.7 | 3  | 20 | 3.8% |
| Masuk H West       | 4/20/2024   | 6.9 | 4  | 85  | 1,189 | 5,851 | 17 | 0.8 | 3  | 16 | 5.3% |
| Masuk North        | 4/20/2024   | 6.5 | 8  | 80  | 772   | 3,907 | 23 | 1.3 | 3  | 23 | 5.3% |
| McDonald 70        | 4/20/2024   | 6.0 | 2  | 104 | 743   | 3,918 | 16 | 1.0 | 9  | 38 | 3.1% |
| Murphys            | 4/20/2024   | 7.0 | 4  | 144 | 767   | 4,062 | 20 | 1.5 | 3  | 11 | 4.3% |
| Pasture            | 4/20/2024   | 7.0 | 16 | 200 | 719   | 3,200 | 9  | 1.5 | 7  | 21 | 2.9% |
| Powerlines         | 4/20/2024   | 6.7 | 7  | 52  | 300   | 2,048 | 7  | 1.6 | 8  | 26 | 1.6% |
| River field        | 11/14/2022  | 6.3 | 11 | 171 | 1,105 | 3,665 | 10 | 2.7 | 26 | 56 | 4.1% |
| Scanlon A          | 11/14/2022  | 7.2 | 16 | 184 | 981   | 4,501 | 12 | 2.3 | 11 | 38 | 2.8% |
| Scanlon B          | 11/14/2022  | 6.8 | 8  | 128 | 1,244 | 5,171 | 9  | 1.9 | 7  | 35 | 3.6% |
| Scary Hill         | 4/20/2024   | 7.4 | 3  | 98  | 1,003 | 4,926 | 15 | 0.9 | 2  | 13 | 4.1% |
| Smilie             | 4/20/2024   | 6.6 | 2  | 79  | 875   | 3,423 | 7  | 0.9 | 11 | 37 | 1.1% |
| Steen House        | 4/20/2024   | 6.9 | 5  | 74  | 373   | 2,232 | 7  | 1.4 | 4  | 31 | 2.4% |
| Steen Pond Corn    | 4/20/2024   | 7.1 | 3  | 112 | 825   | 4,070 | 14 | 1.0 | 3  | 17 | 3.4% |
| Steen Pond Grass   | 4/24/2024   | 7.4 | 24 | 269 | 1,065 | 4,904 | 24 | 2.8 | 7  | 12 | 4.5% |
| The 100 Acres      | 4/20/2024   | 6.3 | 4  | 123 | 1,187 | 4,000 | 8  | 1.0 | 9  | 54 | 1.4% |
| The hill on Rickys | 11/14/2022  | 7.0 | 5  | 134 | 700   | 3,539 | 16 | 2.4 | 9  | 46 | 2.7% |
| Tracks             | 11/14/2022  | 6.6 | 4  | 154 | 1,557 | 6,257 | 12 | 1.2 | 11 | 64 | 4.9% |
| Western Fields     | 4/20/2024   | 6.6 | 2  | 48  | 326   | 2,016 | 13 | 0.9 | 2  | 17 | 2.2% |

\* Soil was analyzed by the Dairy One Agronomy Services.

\* Test Methods: All soil samples were analyzed using the original Morgan extraction method. All nutrient levels are reported as lbs/ac in dry soil. Organic Matter is reported as percent by weight.

\* Sample Dates highlighted yellow indicate that the sample is > 3 years old.

\* Soil Test P values > 9lbs/ac are colored red.



Champlain Valley  
A G R I C U L T U R A L  
M E C H A N I C S

## Soil Test Summary 2025

| Field Name           | Sample Date | pH  | P  | K   | Mg    | Ca    | Mn | Zn  | Fe | Al  | OM   |
|----------------------|-------------|-----|----|-----|-------|-------|----|-----|----|-----|------|
| Across from fathers  | 11/14/2022  | 5.8 | 5  | 105 | 331   | 1,835 | 9  | 1.4 | 46 | 123 | 2.6% |
| Across Road          | 4/24/2024   | 6.5 | 13 | 138 | 2,071 | 6,687 | 8  | 1.8 | 4  | 23  | 6.1% |
| Apartment Fields     | 11/14/2022  | 7.3 | 4  | 98  | 824   | 3,951 | 19 | 1.5 | 5  | 13  | 3.8% |
| AR 11                | 4/24/2024   | 6.9 | 11 | 144 | 1,371 | 5,821 | 6  | 2.3 | 5  | 21  | 3.5% |
| AR 13                | 4/24/2024   | 6.5 | 5  | 109 | 981   | 3,812 | 13 | 2.6 | 3  | 21  | 4.0% |
| AR 20                | 4/24/2024   | 6.7 | 9  | 154 | 1,063 | 4,104 | 10 | 1.6 | 7  | 27  | 2.7% |
| AR 32                | 4/24/2024   | 6.7 | 28 | 248 | 1,336 | 5,431 | 8  | 3.2 | 8  | 22  | 3.1% |
| AR 5                 | 4/24/2024   | 7.0 | 16 | 125 | 1,247 | 4,722 | 7  | 2.9 | 4  | 13  | 3.7% |
| AR 6                 | 4/24/2024   | 6.7 | 4  | 134 | 1,149 | 4,371 | 10 | 1.8 | 7  | 24  | 2.4% |
| Back hill on Rickys  | 11/14/2022  | 7.0 | 5  | 134 | 700   | 3,539 | 16 | 2.4 | 9  | 46  | 2.7% |
| Bernards             | 11/14/2022  | 6.5 | 6  | 109 | 916   | 4,196 | 12 | 1.6 | 10 | 28  | 3.9% |
| Bottom of Rickies    | 4/24/2024   | 6.8 | 3  | 59  | 727   | 3,714 | 14 | 0.7 | 3  | 19  | 2.7% |
| Co Rt 4 East         | 4/24/2024   | 7.1 | 6  | 151 | 1,945 | 7,333 | 10 | 2.4 | 4  | 38  | 5.2% |
| Co Rt 4 West         | 12/1/2021   | 6.5 | 4  | 117 | 604   | 2,732 | 14 | 0.9 | 13 | 79  | 2.4% |
| Con 2                | 11/14/2022  | 6.1 | 5  | 117 | 1,197 | 5,174 | 11 | 1.8 | 19 | 54  | 3.2% |
| Con Pit Side         | 11/14/2022  | 6.9 | 4  | 104 | 987   | 4,561 | 10 | 0.9 | 7  | 35  | 2.4% |
| Durants hill         | 11/14/2022  | 6.3 | 7  | 144 | 1,023 | 4,010 | 17 | 2.0 | 26 | 53  | 3.8% |
| Eddie Across Road    | 4/24/2024   | 7.4 | 5  | 125 | 966   | 3,990 | 10 | 1.4 | 3  | 16  | 3.3% |
| Eddie Hill           | 4/24/2024   | 7.3 | 2  | 84  | 1,137 | 4,291 | 12 | 1.2 | 2  | 17  | 3.3% |
| Eddie House          | 4/24/2024   | 6.4 | 3  | 76  | 216   | 1,473 | 6  | 1.3 | 9  | 70  | 1.9% |
| Fathers across ditch | 12/1/2021   | 6.4 | 2  | 158 | 1,534 | 4,658 | 14 | 3.1 | 13 | 88  | 2.6% |
| Fathers Rock Hill    | 11/14/2022  | 6.3 | 3  | 131 | 1,119 | 4,131 | 17 | 1.8 | 15 | 55  | 3.4% |
| FC Back              | 11/14/2022  | 6.1 | 4  | 118 | 1,360 | 5,433 | 8  | 0.8 | 12 | 58  | 3.5% |
| FC CR 42             | 11/14/2022  | 5.8 | 3  | 101 | 995   | 4,334 | 18 | 1.1 | 31 | 134 | 3.1% |
| FC Frye Road         | 11/14/2022  | 6.7 | 5  | 175 | 1,345 | 7,272 | 11 | 0.8 | 8  | 55  | 3.9% |
| Ghostlaw 1           | 4/24/2024   | 7.4 | 8  | 41  | 471   | 5,195 | 16 | 0.7 | 4  | 18  | 3.4% |
| Ghostlaw 2           | 4/24/2024   | 7.3 | 15 | 40  | 470   | 5,302 | 13 | 0.7 | 4  | 21  | 4.4% |
| Ghostlaw 3           | 4/24/2024   | 7.2 | 10 | 54  | 450   | 4,627 | 13 | 0.6 | 4  | 27  | 3.4% |
| Mainville Triangle   | 4/24/2024   | 7.1 | 13 | 292 | 1,377 | 5,143 | 14 | 2.7 | 3  | 20  | 4.3% |
| Masuk C East         | 4/24/2024   | 6.6 | 6  | 78  | 1,013 | 4,976 | 13 | 0.8 | 3  | 16  | 4.1% |



Champlain Valley  
Agricultural

1

| Field Name         | Sample Date | pH  | P  | K   | Mg    | Ca    | Mn | Zn  | Fe | Al | OM   |
|--------------------|-------------|-----|----|-----|-------|-------|----|-----|----|----|------|
| Masuk C West       | 1/1/2000    | 7.0 | 3  | 100 | 0     | 0     | 0  | 0.0 | 0  | 0  | 0.0% |
| Masuk Greenhouse   | 4/24/2024   | 6.8 | 5  | 78  | 1,000 | 4,754 | 15 | 0.7 | 3  | 20 | 3.8% |
| Masuk H West       | 4/24/2024   | 6.9 | 4  | 85  | 1,189 | 5,851 | 17 | 0.8 | 3  | 16 | 5.3% |
| Masuk North        | 4/24/2024   | 6.5 | 8  | 80  | 772   | 3,907 | 23 | 1.3 | 3  | 23 | 5.3% |
| McDonald 70        | 4/24/2024   | 6.0 | 2  | 104 | 743   | 3,918 | 16 | 1.0 | 9  | 38 | 3.1% |
| Murphys            | 4/24/2024   | 7.0 | 4  | 144 | 767   | 4,062 | 20 | 1.5 | 3  | 11 | 4.3% |
| Pasture            | 4/24/2024   | 7.0 | 16 | 200 | 719   | 3,200 | 9  | 1.5 | 7  | 21 | 2.9% |
| Powerlines         | 4/24/2024   | 6.7 | 7  | 52  | 300   | 2,048 | 7  | 1.6 | 8  | 26 | 1.6% |
| River field        | 11/14/2022  | 6.3 | 11 | 171 | 1,105 | 3,665 | 10 | 2.7 | 26 | 56 | 4.1% |
| Scanlon A          | 11/14/2022  | 7.2 | 16 | 184 | 981   | 4,501 | 12 | 2.3 | 11 | 38 | 2.8% |
| Scanlon B          | 11/14/2022  | 6.8 | 8  | 128 | 1,244 | 5,171 | 9  | 1.9 | 7  | 35 | 3.6% |
| Scary Hill         | 4/24/2024   | 7.4 | 3  | 98  | 1,003 | 4,926 | 15 | 0.9 | 2  | 13 | 4.1% |
| Smillie            | 4/24/2024   | 6.6 | 2  | 79  | 875   | 3,423 | 7  | 0.9 | 11 | 37 | 1.1% |
| Steen House        | 4/24/2024   | 6.9 | 5  | 74  | 373   | 2,232 | 7  | 1.4 | 4  | 31 | 2.4% |
| Steen Pond Corn    | 4/24/2024   | 7.1 | 3  | 112 | 825   | 4,070 | 14 | 1.0 | 3  | 17 | 3.4% |
| Steen Pond Grass   | 4/24/2024   | 7.4 | 24 | 269 | 1,065 | 4,904 | 24 | 2.8 | 7  | 12 | 4.5% |
| The 100 Acres      | 4/24/2024   | 6.3 | 4  | 123 | 1,187 | 4,000 | 8  | 1.0 | 9  | 54 | 1.4% |
| The hill on Rickys | 11/14/2022  | 7.0 | 5  | 134 | 700   | 3,539 | 16 | 2.4 | 9  | 46 | 2.7% |
| Tracks             | 11/14/2022  | 6.6 | 4  | 154 | 1,557 | 6,257 | 12 | 1.2 | 11 | 64 | 4.9% |
| Western Fields     | 4/24/2024   | 6.6 | 2  | 48  | 326   | 2,016 | 13 | 0.9 | 2  | 17 | 2.2% |

\* Soil was analyzed by the Maine Soil Testing Service at the University of Maine.

\* Test Methods: All soil samples were analyzed using the original Morgan extraction method. Phosphorus was determined colorimetrically, all other nutrients by ICP. All nutrient levels are reported as lbs/ac in dry soil. Organic Matter is reported as percent by weight. Soil pH was measured in water and in modified Mehlich lime buffer.

\* Sample Dates highlighted yellow indicate that the sample is > 3 years old.

\* Soil Test P values > 9lbs/ac are colored red.



Champlain Valley  
Agroecology

## Seeds & Spraying

118 State Route 11

Moira, NY 12957

(518) 529-7891 or Cell (518) 353-1891

State Certification No. C5174121

Sold by \_\_\_\_\_

Date 6/19/25

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

| QTY  | DESCRIPTION                            | PRICE | AMOUNT |
|------|--|-------|--------|
| 300g | Molccasin                              |       |        |
| 80g  | Explorer                               |       |        |
| 210g | Roundup Powermax 3                     |       |        |
| 150g | Dicamba DMA                            |       |        |
| 80g  | Attrazine 4F                           |       |        |
| 6    | Resolve Q - 8X 3LB 20Z (one full case) |       |        |
| 7    |  |       |        |
| 8    |  |       |        |
| 9    |  |       |        |
| 10   |  |       |        |
| 11   | Bates:                                 |       |        |
| 12   | Attrazine 4F - 1 QT                    |       |        |
| 13   | Molccasin 1.13 PT                      |       |        |
| 14   | Explorer 5 OZ                          |       |        |
| 15   |  |       |        |
| 16   |  |       |        |
| 17   |  |       |        |
| 18   |  |       |        |
| 19   |  |       |        |
| 20   |  |       |        |
| 21   |  |       |        |
| 22   |  |       |        |
| 23   |  |       |        |
|      | TOTAL                                  |       |        |

**THANK YOU**

**New York State Department of Environmental Conservation**

Division of Materials Management, Bureau of Pesticides Management  
625 Broadway, 9<sup>th</sup> Floor, Albany, New York 12233-7254

Phone: (518) 402-8788 • Fax: (518) 402-9024

Website: [www.dec.ny.gov](http://www.dec.ny.gov)



**Department of  
Environmental  
Conservation**

**NYSDEC Approved Pesticide Recertification Training Course**

Certificate of Attendance for Applicator's Records

Student Name

NYSDEC Certification Number

Course Title 2025 WINTER GROWER MEETING

Session Title 2025 WINTER GROWER MEETING

Sponsor Helena Agri-Enterprises, LLC

Date Completed March 11, 2025

Location North Lawrence, NY

NYSDEC Recertification Course Number NY-25-435353

**Approved Categories**

| Category           | Category | Credits |
|--------------------|----------|---------|
| Agricultural Plant | 1a       | 1.75    |
| Field and Forage   | 21       | 1.75    |

Name and Title of Responsible Party for Sponsoring Organization

Print Name Johnathan Skinner Title Sales Rep Signature Johnathan Skinner

Important: This original certificate is your record of attendance at this DEC approved pesticide management training program. If requested to submit your original certificates to the NYSDEC, please be sure to keep a copy for your records.

You must notify NYSDEC in writing of any change of address within ten days.

Current Location: Elev: 200 ft. Lat: 44.9334° N Lon: 74.8484° W  
Station: MASSENA INTERNATIONAL AIRPORT, NY US USW00094725

Observation Time Temperature: Unknown Observation Time Precipitation: 2400

| Year    | Month | Day | Temperature (°F)                     |      | Precipitation |  |         |                              |              | Evaporation                |                      | "Soil Temperature (°F)" |                      |             |      |                      |      |
|---------|-------|-----|--------------------------------------|------|---------------|--|---------|------------------------------|--------------|----------------------------|----------------------|-------------------------|----------------------|-------------|------|----------------------|------|
|         |       |     | "24 Hrs. Ending at Observation Time" |      | At Obs.       | 24 Hour Amounts Ending at Observation Time |         |                              | At Obs. Time | 24 Hour Wind Movement (mi) | Amount of Evap. (in) | 4 in. Depth             |                      | 8 in. Depth |      |                      |      |
|         |       |     | Max.                                 | Min. |               | Rain, Melted Snow, Etc. (in)               | Falling | Snow, Ice Pellets, Hail (in) |              |                            |                      | Falling                 | Ground Cover (see *) | Max.        | Min. | Ground Cover (see *) | Max. |
| 2025    | 01    | 01  | 37                                   | 31   |               | 0.20                                       |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 02  | 32                                   | 27   |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 03  | 28                                   | 14   |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 04  | 17                                   | 10   |               | 0.01                                       |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 05  | 16                                   | -4   |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 06  | 15                                   | -10  |               | 0.00                                       |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 07  | 20                                   | 12   |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 08  | 12                                   | 5    |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 09  | 20                                   | 8    |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 10  | 22                                   | 9    |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 11  | 24                                   | 14   |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 12  | 26                                   | 2    |               | T  |         | T                            |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 13  | 33                                   | 21   |               | 0.02                                       |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 14  | 27                                   | 18   |               | T  |         | T                            |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 15  | 22                                   | 7    |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 16  | 27                                   | 14   |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 17  | 34                                   | 16   |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 18  | 41                                   | 26   |               | 0.03                                       |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 19  | 26                                   | 9    |               | 0.00                                       |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 20  | 11                                   | -2   |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 21  | 13                                   | 1    |               | 0.00                                       |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 22  | 14                                   | -6   |               | 0.00                                       |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 23  | 23                                   | 14   |               | 0.01                                       |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 24  | 20                                   | -7   |               | 0.00                                       |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 25  | 27                                   | -8   |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 26  | 32                                   | 26   |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 27  | 35                                   | 23   |               | T  |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 28  | 31                                   | 4    |               | 0.01                                       |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 29  | 18                                   | 9    |               | 0.11                                       |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 30  | 16                                   | -11  |               | T  |         | T                            |              |                            |                      |                         |                      |             |      |                      |      |
| 2025    | 01    | 31  | 27                                   | 8    |               | 0.00                                       |         |                              |              |                            |                      |                         |                      |             |      |                      |      |
| Summary |       |     | 24                                   | 9    |               | 0.39                                       |         |                              |              |                            |                      |                         |                      |             |      |                      |      |

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

\*s" This data value failed one of NCEI's quality control tests.

"At Obs." = Temperature at time of observation

\*T" values in the Precipitation or Snow category above indicate a "Trace" value was recorded.

\*A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Record of Climatological  
Observations  
These data are quality controlled and may not  
be identical to the original observations.  
Generated on 05/29/2025

| Year<br>Month<br>Day | Month | Day | Temperature (F)                         |      | Precipitation |   |                  |                                    | Evaporation     |                                     | "Soil Temperature (F)"  |                  |                            |             |      |                            |      |
|----------------------|-------|-----|---|------|---------------|---|------------------|------------------------------------|-----------------|-------------------------------------|-------------------------|------------------|----------------------------|-------------|------|----------------------------|------|
|                      |       |     | "24 Hrs. Ending at<br>Observation Time" |      | At<br>Obs.    | 24 Hour Amounts Ending at<br>Observation Time |                  |                                    | At Obs.<br>Time | 24 Hour<br>Wind<br>Movement<br>(mi) | Amount of<br>Evap. (in) | 4 in. Depth      |                            | 8 in. Depth |      |                            |      |
|                      |       |     | Max.                                    | Min. |               | Rain,<br>Melted<br>Snow, Etc.<br>(in)         | F<br>i<br>a<br>g | Snow, Ice<br>Pellets,<br>Hail (in) |                 |                                     |                         | F<br>i<br>a<br>g | Ground<br>Cover<br>(see *) | Max.        | Min. | Ground<br>Cover<br>(see *) | Max. |
| 2025                 | 02    | 01  | 21                                      | -17  |               | T   |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 02  | 13                                      | -20  |               | T   |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 03  | 35                                      | 13   |               | 0.30  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 04  | 30                                      | -3   |               | T   |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 05  | 10                                      | -10  |               | T   |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 06  | 33                                      | -9   |               | 0.13  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 07  | 33                                      | 11   |               | T   |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 08  | 27                                      | 14   |               | 0.01  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 09  | 26                                      | 15   |               | 0.04  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 10  | 24                                      | 5    |               | T   |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 11  | 26                                      | 8    |               | 0.00  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 12  | 14                                      | 1    |               | T   |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 13  | 36                                      | 9    |               | 0.37  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 14  | 22                                      | -1   |               | T   |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 15  | 21                                      | -2   |               | 0.05  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 16  | 16                                      | 12   |               | 0.35  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 17  | 19                                      | 6    |               | T   |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 18  | 12                                      | 2    |               | 0.00  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 19  | 14                                      | -5   |               | 0.00  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 20  | 18                                      | -8   |               | T   |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 21  | 18                                      | 6    |               | T   |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 22  | 30                                      | -6   |               | T   |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 23  | 32                                      | 25   |               | T   |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 24  | 45                                      | 25   |               | 0.00  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 25  | 44                                      | 35   |               | 0.08  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 26  | 36                                      | 19   |               | 0.02  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 27  | 35                                      | 16   |               | 0.18  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| 2025                 | 02    | 28  | 35                                      | 13   |               | 0.03  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |
| Summary              |       |     | 26                                      | 6    |               | 1.56  |                  |                                    |                 |                                     |                         |                  |                            |             |      |                            |      |

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown  
\*S\* This data value failed one of NCEI's quality control tests.      \*At Obs.\* = Temperature at time of observation

\*T\* values in the Precipitation or Snow category above indicate a "trace" value was recorded.

\*A\* values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

**Record of Climatological Observations**  
These data are quality controlled and may not be identical to the original observations.  
Generated on 05/29/2025

Observation Time Temperature: Unknown Observation Time Precipitation: 2400

| Year    | Month | Day | Temperature (F)                      |      | Precipitation |  |         |                              | Evaporation  |                            | "Soil Temperature (F)" |             |                      |             |      |                      |      |
|---------|-------|-----|--------------------------------------|------|---------------|--|---------|------------------------------|--------------|----------------------------|------------------------|-------------|----------------------|-------------|------|----------------------|------|
|         |       |     | "24 Hrs. Ending at Observation Time" |      | At Obs.       | 24 Hour Amounts Ending at Observation Time |         |                              | At Obs. Time | 24 Hour Wind Movement (mi) | Amount of Evap. (in)   | 4 in. Depth |                      | 8 in. Depth |      |                      |      |
|         |       |     | Max.                                 | Min. |               | Rain, Melted Snow, Etc. (in)               | Falling | Snow, Ice Pellets, Hall (in) |              |                            |                        | Falling     | Ground Cover (see ") | Max.        | Min. | Ground Cover (see ") | Max. |
| 2025    | 03    | 01  | 37                                   | 6    |               | 0.15                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 02  | 10                                   | -10  |               | 0.00                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 03  | 26                                   | -16  |               | 0.00                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 04  | 38                                   | 23   |               | 0.13                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 05  | 37                                   | 33   |               | 0.14                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 06  | 46                                   | 19   |               | 0.06                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 07  | 33                                   | 18   |               | T  |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 08  | 30                                   | 18   |               | T  |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 09  | 38                                   | 23   |               | 0.04                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 10  | 43                                   | 27   |               | 0.00                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 11  | 56                                   | 25   |               | 0.00                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 12  | 28                                   | 15   |               | 0.00                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 13  | 39                                   | 17   |               | 0.00                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 14  | 55                                   | 18   |               | 0.00                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 15  | 64                                   | 28   |               | 0.00                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 16  | 65                                   | 40   |               | 0.29                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 17  | 50                                   | 21   |               | 0.00                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 18  | 46                                   | 18   |               | 0.00                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 19  | 62                                   | 31   |               | 0.00                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 20  | 67                                   | 36   |               | 0.04                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 21  | 43                                   | 26   |               | T  |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 22  | 53                                   | 20   |               | 0.02                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 23  | 32                                   | 15   |               | 0.00                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 24  | 40                                   | 23   |               | 0.09                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 25  | 40                                   | 34   |               | T  |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 26  | 40                                   | 30   |               | T  |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 27  | 46                                   | 25   |               | T  |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 28  | 41                                   | 24   |               | 0.03                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 29  | 30                                   | 23   |               | 0.18                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 30  | 34                                   | 29   |               | 0.37                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| 2025    | 03    | 31  | 59                                   | 33   |               | 0.18                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |
| Summary |       |     | 43                                   | 22   |               | 1.72                                       |         |                              |              |                            |                        |             |                      |             |      |                      |      |

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

\*s\* This data value failed one of NCEI's quality control tests. \*At Obs.\* = Temperature at time of observation

\*T\* values in the Precipitation or Snow category above indicate a "trace" value was recorded.

\*A\* values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

**Record of Climatological  
Observations**  
These data are quality controlled and may not  
be identical to the original observations.

Generated on 05/29/2025

Observation Time Temperature: Unknown Observation Time Precipitation: 2400

| Year    | Month | Day | Temperature (F)                      |      | Precipitation |  |         |                              | Evaporation  |                            | "Soil Temperature (F)" |             |   |                      |      |      |                      |      |
|---------|-------|-----|--------------------------------------|------|---------------|--|---------|------------------------------|--------------|----------------------------|------------------------|-------------|---|----------------------|------|------|----------------------|------|
|         |       |     | "24 Hrs. Ending at Observation Time" |      | At Obs.       | 24 Hour Amounts Ending at Observation Time |         |                              | At Obs. Time | 24 Hour Wind Movement (mi) | Amount of Evap. (in)   | 4 in. Depth |   | 8 in. Depth          |      |      |                      |      |
|         |       |     | Max.                                 | Min. |               | Rain, Melted Snow, Etc. (in)               | F i a g | Snow, Ice Pellets, Hail (in) |              |                            |                        | F i a g     | Snow, Ice Pellets, Hail, Ice on Ground (in) | Ground Cover (see *) | Max. | Min. | Ground Cover (see *) | Max. |
| 2025    | 04    | 01  | 35                                   | 24   |               | 0.00                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 02  | 36                                   | 18   |               | 0.04                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 03  | 69                                   | 31   |               | 0.56                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 04  | 52                                   | 33   |               | 0.00                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 05  | 51                                   | 32   |               | 0.22                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 06  | 46                                   | 33   |               | T  |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 07  | 50                                   | 26   |               | T  |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 08  | 37                                   | 20   |               | 0.10                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 09  | 36                                   | 15   |               | 0.00                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 10  | 46                                   | 20   |               | 0.01                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 11  | 44                                   | 36   |               | 0.01                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 12  | 52                                   | 32   |               | T  |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 13  | 59                                   | 37   |               | 0.00                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 14  | 65                                   | 29   |               | 0.02                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 15  | 55                                   | 37   |               | 0.18                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 16  | 41                                   | 31   |               | T  |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 17  | 51                                   | 32   |               | 0.00                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 18  | 66                                   | 25   |               | 0.11                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 19  | 72                                   | 46   |               | 0.39                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 20  | 52                                   | 30   |               | 0.00                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 21  | 54                                   | 29   |               | 0.16                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 22  | 54                                   | 39   |               | T  |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 23  | 61                                   | 32   |               | 0.00                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 24  | 67                                   | 34   |               | 0.02                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 25  | 62                                   | 47   |               | 0.01                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 26  | 51                                   | 41   |               | 0.20                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 27  | 65                                   | 34   |               | 0.22                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 28  | 70                                   | 34   |               | 0.00                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 29  | 82                                   | 40   |               | 0.18                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| 2025    | 04    | 30  | 51                                   | 33   |               | 0.00                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |
| Summary |       |     | 54                                   | 32   |               | 2.43                                       |         |                              |              |                            |                        |             |   |                      |      |      |                      |      |

Empty, or blank, cells indicate that a data observation was not reported.

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Current Location: Elev: 200 ft. Lat: 44.9334° N Lon: 74.8484° W  
Station: MASSENA INTERNATIONAL AIRPORT, NY US USW00094725

**Record of Climatological  
Observations**  
These data are quality controlled and may not  
be identical to the original observations.  
Generated on 05/29/2025

Observation Time Temperature: Unknown Observation Time Precipitation: 2400

| Year    | Month | Day | Temperature (F)                      |      | Precipitation |  |             |                              |              | Evaporation                |                      | "Soil Temperature (F)" |   |                      |      |      |                      |             |      |
|---------|-------|-----|--------------------------------------|------|---------------|--|-------------|------------------------------|--------------|----------------------------|----------------------|------------------------|---|----------------------|------|------|----------------------|-------------|------|
|         |       |     | "24 Hrs. Ending at Observation Time" |      | At Obs.       | 24 Hour Amounts Ending at Observation Time |             |                              | At Obs. Time | 24 Hour Wind Movement (mi) | Amount of Evap. (in) | 4 in. Depth            |   |                      |      |      |                      | 8 in. Depth |      |
|         |       |     |                                      |      |               | Rain, Melted Snow, Etc. (in)               | F i l l a g | Snow, Ice Pellets, Hail (in) |              |                            |                      | F i l l a g            | Snow, Ice Pellets, Hail, Ice on Ground (in) | Ground Cover (see *) | Max. | Min. | Ground Cover (see *) | Max.        | Min. |
|         |       |     | Max.                                 | Min. |               |  |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 01  | 64                                   | 28   |               | 0.14                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 02  | 72                                   | 49   |               | 0.01                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 03  | 59                                   | 47   |               | T  |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 04  | 67                                   | 46   |               | 0.00                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 05  | 65                                   | 50   |               | 0.27                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 06  | 75                                   | 55   |               | 0.51                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 07  | 66                                   | 49   |               | 0.20                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 08  | 49                                   | 43   |               | 0.01                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 09  | 46                                   | 43   |               | 0.12                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 10  | 70                                   | 45   |               | 0.05                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 11  | 62                                   | 38   |               | 0.00                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 12  | 77                                   | 40   |               | 0.00                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 13  | 80                                   | 47   |               | 0.00                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 14  | 79                                   | 50   |               | 0.00                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 15  | 77                                   | 57   |               | T  |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 16  | 83                                   | 53   |               | 0.00                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 17  | 72                                   | 53   |               | 0.85                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 18  | 58                                   | 45   |               | 0.18                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 19  | 50                                   | 44   |               | 0.00                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 20  | 54                                   | 42   |               | 0.00                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 21  | 59                                   | 47   |               | T  |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 22  | 56                                   | 46   |               | 0.02                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 23  | 53                                   | 44   |               | 0.05                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 24  | 54                                   | 44   |               | 0.06                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 25  | 65                                   | 40   |               | 0.01                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 26  | 74                                   | 45   |               | 0.01                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 27  |                                      |      |               |  |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 28  |                                      |      |               |  |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 29  |                                      |      |               |  |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 30  |                                      |      |               |  |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| 2025    | 05    | 31  |                                      |      |               |  |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |
| Summary |       |     | 65                                   | 46   |               | 2.49                                       |             |                              |              |                            |                      |                        |   |                      |      |      |                      |             |      |

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Observation Time Temperature: Unknown Observation Time Precipitation: 2400

# Manure Application Setback Maps 2025



Champlain Valley  
AGRONOMICS

(518)-643-2360

## Waste Application Setback Compliance Alternatives

**Field Setback Requirements:** Manure, litter, digestate and process wastewater may never be applied closer than 100 feet from any wellhead. Additionally, the same may not be applied closer than 100 feet from:

- (1) the top of the bank of any down-gradient surface waters of the State, including both perennial and intermittent streams, when application area is up-gradient to the top of the bank;
- (2) to a New York State Regulatory Freshwater Wetland with a surface connection to the field;
- (3) to an open tile intake structure, sinkhole, or other down-gradient conduits to surface or ground waters;

Unless the CAFO exercises one of these options:

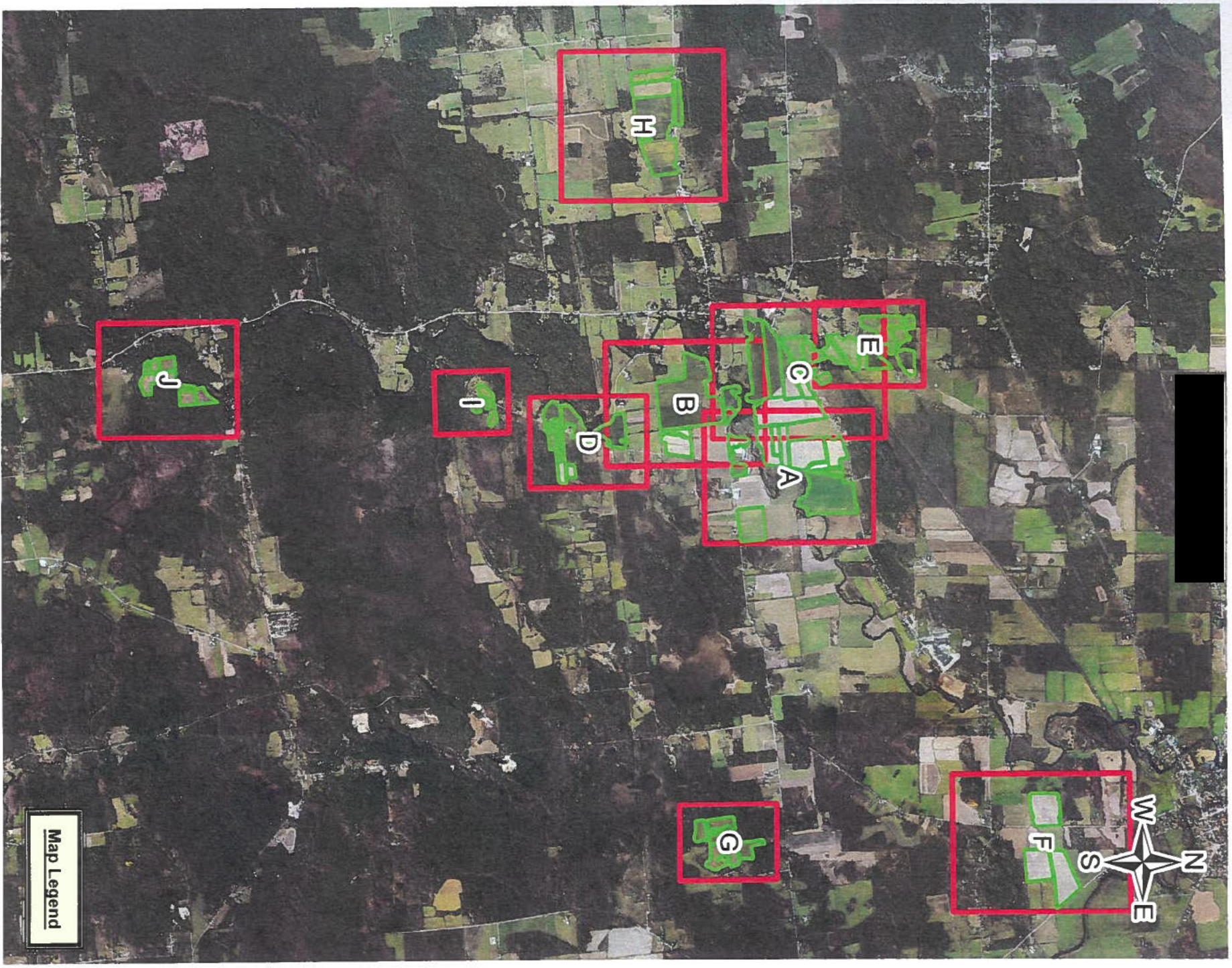
(a) **Vegetated buffer.** Substitute the 100 foot-setback described above with a 35-foot wide vegetative buffer to down-gradient waters; or

(b) **Alternative practice.** Substitute the 100 foot-setback described above with a 15-foot wide setback to down-gradient waters as described above when manure, litter, food processing waste, digestate, and process wastewater is applied under the conservation practice of incorporation within 24 hours of the application as documented in the CNMP.

**Surface Waters of the State** shall be construed to include lakes, bays, sounds, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic ocean within the territorial seas of the state of New York and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, public or private (except those private waters that do not combine or effect a junction with natural surface waters), which are wholly or partially within or bordering the state or within its jurisdiction. Waters of the state are further defined in 6 NYCRR Parts 800 to 941. Storm sewers or conveyances, e.g. ditches are not surface waters of the State unless they are mapped Waters of the State (further defined in 6 NYCRR parts 800 to 941) or continuously flowing. Nonetheless, an overflow to the conveyance shall be regulated as a discharge at the point where the conveyance discharges to waters of the State.



Champlain Valley  
Agricultural Mechanics





Con 2  
29.88 ac.

Con Pit Side  
44.27 ac.

ie  
ac.

AR 20  
18.22 ac.



**Map Legend**

- Primary
- Secondary
- 100ft Buffer



Fathers Rock Hill  
30.81 ac.

River field  
1.57 ac.

Across from fathers  
9.36 ac.

Bernards  
16.9 ac.

Tracks  
7.74 ac.

Apartment Fields  
5.96 ac.

Back hill on Rickys  
9.79 ac.

Scary Hill  
10.55 ac.

The hill on Rickys  
11.96 ac.

Bottom of Rickies  
18.83 ac.

Smillie  
52.17 ac.

AR 11  
10.89 ac.

AR 6  
6.26 ac.

AR 20  
18.22 ac.

Con 2  
29.88 ac.

Con Pit Side  
44.27 ac.

Co Rt 4 West  
14.1 ac.

The 100 Acre  
106.48 ac.

Pasture  
7.47 ac.

**Map Legend**

- Primary
- Secondary
- 100ft Buffer







Champlain Valley  
AERONOMICS

0 170 340 680 1,020 1,360  
Feet

HSA Map E  
KF 12/4/2024



**Map Legend**

- Primary
- Secondary
- 100ft Buffer





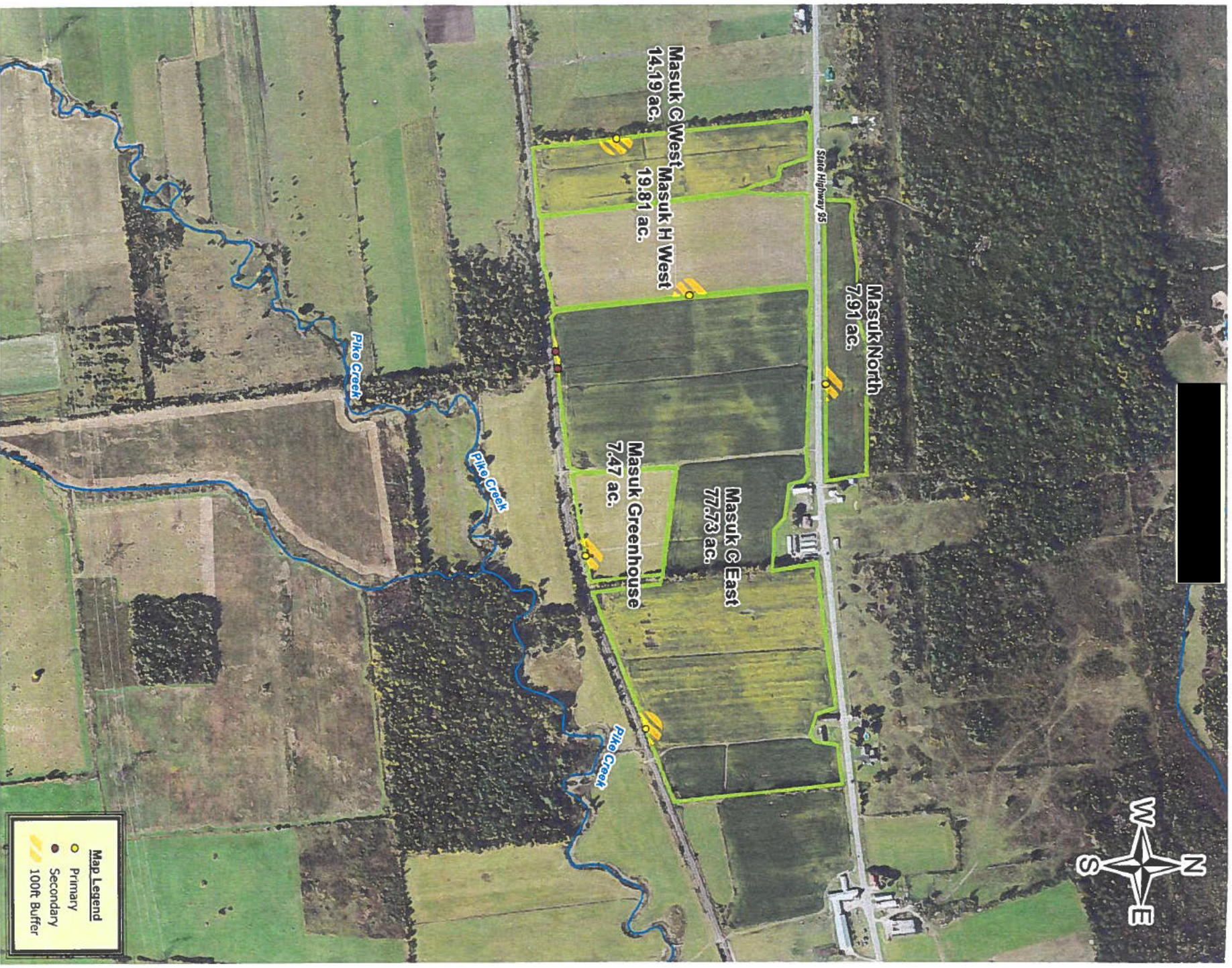
**Map Legend**  
● Primary  
● Secondary  
100ft Buffer



Champlain Valley  
AGRONOMICS



HSA Map G  
KF 12/4/2024





**Map Legend**

- Primary
- Secondary
- 100ft Buffer





Champlain Valley  
AGRONOMICS

HSA Map J  
KF 12/4/2024