



January 20, 2025

To whom it may concern:

We have completed a nutrient management strategy for upon request, however it should be noted that this is not required by any regulation due to the very small scale of their hobby operation.

The following regulation states that a Nutrient Management Plan is only required when producing more than 300 NU annually, whereas are only about 1.05 NU. For context have 12 layer hens, 50 broilers, and 8 pigs total annually. For layers it would take 45,000 birds, for broilers it would take 75,000 birds, and for pigs it would take about 3,150 to reach 300 NU. This means they would need to be about 300 times larger than current production.

"Subject to subsection (3), if on the day subsection (1) requires the person who owns or controls an agricultural operation in the course of which nutrients are applied to the land of a farm unit to ensure that the nutrients are managed in accordance with a nutrient management plan, the number of farm animals on the farm unit is not sufficient to generate 300 or more nutrient units annually, section 14 does not apply to the operation until the day on which the number of farm animals on the farm unit is increased to a level that is sufficient to generate 300 or more nutrient units annually."

O. Reg. 338/09, s. 16 (2).

Brandon Cox

AOSPDC23375

Elite Agri Solutions Inc.

247 Main St., Giencoe ON, NOL 1MO

(S19)-953-4479

brandon@eliteagrisolutions.ca



Nutrient management plan NMS, Fall 2024 - Fall 2025)

General information

Please ensure you retain a copy of the completed NM Strategy (and NM Plan, if applicable) for your records. Please note, approved documents will not be returned. It is your responsibility to keep copies of the documents that comprise your approved NMS. You will be contacted by OMAFRA staff if you are required to provide additional information during the review process. Upon approval, your NM Strategy is valid for a period of 5 years. At that time, you are not required to resubmit, but are required to update the NM Strategy and to keep it dile and available for inspection, if requested.

Preparer information

Preparer **Brandon Cox** (AOSPDC23375) Contact details 247 Main Street Glericoe, ON, Canada NOL 1MO 519-953-4479 brandon@eliteagrisolutions.ca



Agricultural operation information

Operator contact information

Road Algonquin Highlands **KOM 1SO**

Owner is the same as the operator

Yes

Farm unit summary

Home Farm

This farm

- Generates ASM
- Receives ASM

Farm location County of Hallburton, Township of Algoriquin Highlands

STANHOPE, Concession: 8, Lot: 15 (Generates ASM)

Status Owned Tillable area 1.05 ac

911 address (if available)

Road, Algonquin Highlands, ON KOM 1SO

Material source summary



Input materials Solid (Solid)

Total amount (Solid, 5 years) 358 ft³ (60 % DM)

Dry Matter (DM) 60.909 %

Phosphorus (P) 1.275 % Material type Chickens

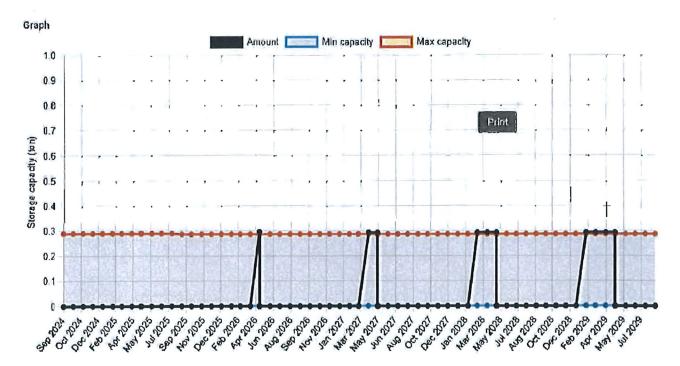
Land applied (5 years) 3 ton (89.7 %)

Nitrogen (Total Kjeldhal Nitrogen) 2,5907 %

Potassium (K) 1,5184 % Nutrient source

Nutrient databank (March 2024) (Wet Basis)

Ammonia + Ammonium Nitrogen 4948 ppm



3

Field summary - Home Farm, Garden

Tillable area 0.5 ac

Area for material 0.5 ac

Field contains or is adjacent to surface water

Maximum slope 5%

Soil series Berriedale

Soil texture Fine Sandy Loam

Hydrologic soil group:

Runoff potential: Very Low

Tile drainage system

None

Tile drainage spacing OH

Crop heat units 2526 chu

Annual precipitation

41.69 in

Soil test values

Sample date Nov 11, 2024

Phosphorus (Sodium Bicarbonate) 8.5 ppm

Potassium (Ammonium Acetate) 55 ppm

		·		1 201		1		unumara, ch	an .
		Ag	ronom	ile (lb/	ac)		Crop	removal	(Ib/ac
	1	i	P ₂	05	K ₂	0	N	P ₂ O ₅	K ₂
Manure Application Application date: Apr 29, 2025 Solid @ 1.3 ton/ac Incorporated 1 day Total amount applied: 1 ton Application P-Index: 0.2 BMP setback distance: N/A	38		30		43		38	61	43
(Other), (Other) @ 0.25 ton/ac May 1, 2025 - Sep 1, 2025	-100		-45		-100		-32	-20	-31
Nutrient balance Sep 1, 2024 - Aug 31, 2025	-62	(5)	-15	(3)	-57	(9)	6	41	5
Manure Application Application date: Apr 29, 2026 Solid @ 1.3 ton/ac Incorporated 1 day Total amount applied: 1 ton Application P-Index: 0.2 BMP setback distance: N/A	38		30		43		38	61	43
(Other), (Other) @ 0.25 ton/ac May 1, 2026 - Sep 1, 2026	-100		-45		-100		-32	-20	-3
Nutrient balance Sep 1, 2025 - Aug 31, 2026 (contains 5 lb/ac of nitrogen from previous material applications)	-56	8	-15	(3)	-57	(3)	12	41	5
Manure Application Application date: Apr 29, 2027 Solid @ 1,3 ton/ac Incorporated 1 day Total amount applied: 1 ton Application P-Index: 0.2 BMP setback distance: N/A	38		30		43		38	61	43
(Other), (Other) @ 0.25 ton/ac May 1, 2027 - Sep 1, 2027	-100		-45		-100		-32	-20	-3
Nutrient balance Sep 1, 2026 - Aug 31, 2027 (contains 8 lb/ac of nitrogen from previous material applications)	-53	(3)	-15	(8)	-57	(3)	15	41	5

AgriSuite

		Agronomic (II	b/ac)	Crop	removal	(lb/ac)
	N	P ₂ O ₅	K ₂ O	Ņ	P205	K ₂ O
Manure Application Application date: Apr 29, 2028 Solid @ 1.3 ton/ac Incorporated 1 day Total amount applied: 1 ton Application P-Index: 0.2 BMP setback distance: N/A	:38	30	43	38	61	43
(Other), (Other) @ 0.25 ton/ac May 1, 2028 - Sep 1, 2028	-100	-45	-100	-32	-20	-38
Nutrient balance Sep 1, 2027 - Aug 31, 2028 (contains 9 lb/ac of nitrogen from previous material applications)	-52	-15	-57 🚫	16	41	5
Manure Application Application Application date: Apr 29, 2029 Solid @ 1.2 ton/ec Incorporated 1 day Total amount applied: 1 ton Application P-Index: 0.2 BMP setback distance: N/A	36	28	39 Print	36	56	39
(Other), (Other) @ 0.25 ton/ac May 1, 2029 - Sep 1, 2029	-100	-45	-100	-32	-20	-38
Nutrient balance Sep 1, 2028 - Aug 31, 2029 (contains 9 lb/ac of nitrogen from previous material applications)	-55	-17 🔇	-61 🔇	13	36	2
Multi-year balance Sep 1, 2024 - Aug 31, 2029	-278	-75	-289	62	200	23

5

Field summary - Home Farm, Pasture

Area for material Field contains or is adjacent to surface water Tillable area No 0.55 ac 0.55 ac Soil series Soil texture Maximum slope Fine Sandy Loam Berriedale Tile drainage system Runoff potential: Hydrologic soil group: Very Low Systematic

Tite drainage spacing Crop heat units 32.81 ft 2526 chu

Annual precipitation 41.69 in

Print

Soil test values

Sample date Phosphorus (Sodium Potassium (Ammonium Acetate)
Nov 11, 2024 Bicarbonate) 55 ppm
9 ppm

Field inputs

	The same of the sa	Agronomic (lb.	/ac)		Crop removal (II	o/ac)
	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O
Multi-year balance NA (Not available)	0	0	0	0	O	0

Flag summary

- Crop Yield (Garden)
 Crop Yield: 0.3 ton/ac (Maximum: 0 ton/ac)
- Other Crop (Garden)
 Provide proof of production recommendations and crop removal values.
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 Crop Yield: 0.3 ton/ac (Maximum: 0 ton/ac)
- Other Crop (Garden)
 Provide proof of production recommendations and crop removal values.

Appendix A (Nutrient Management Plan)

Field Sketches

Many of the field properties are required in the format of a sketch for eachfield in the farm unit. The sketch should address the followingield components:

1. field identifier (from Farm Unit Declaration)

2. sections within thefield, if the field has more than one section, including individualied locations and boundaries

3. Identify the presence of tile drains

The following features should also be included on the sketch (or where the features do not exist, a statement indicating this must be included):

1. the location of all surface water,

2, the location of non-agricultural land uses,

3. the location of any municipal wells within 100 metres of theeld boundary

4. if land applying biosolids, the location of all other known wells within 90 metres of theeld boundary

5. If land applying only agricultural source material, the location of all other known wells within 30 metres of third boundary,

6. the minimum depth to saturated soil conditions,

7. the maximum sustained slopes within 150 metres of the top of bank of all surface water

8, and any separation distances required due to the Phosphorus Index, and

9. show the separation distances for surface water required to meet the regulatory requirements.

Soil Test Results

Include soil test results for ellfields identified in the plan. In accordance with section 91 of O.Reg 267/03 if this is theret NMP for the operation a soil test for available phosphorus, available potassium and soil pH may be provided or default values may be used. If this is a subsequent NMP, soil test values for the available phosphorus, available potassium and soil pH print provided. Each soil test should be taken in accordance with the Sampling and Analysis Protocol and should not cover more than 10 hectares (25 acres) unless there is evidence that the nutrient content of thefield and the management of thefield is uniform.

Material Test Results

Attach and clearly label the test results. If the test results vary from those provided in the NMAN printout, attach an explanation.

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Environment Testing

146 Colomada Rd, Unit 8, Ottawa, ON, K2E 7Y1, (613) 727-5692

OFFICIAL CERTIFICATE OF ANALYSIS: 4187873

WORK REQUEST: 100330449

Report Date: 2024-12-17

Rd

K0M 1S0

Attention:

Algonquin Highlands, Ontario

Reception Date: 2024-12-03

Project:

NA

Sampler:

NA

PO Number:

Credit Card

Temperature:

O......................

15 °C

Analysis	Quantity
Buffer pH (Soil, SMP, Manual Meter)	2
Organic Matter @ 350°C (Soil, Gravimetric)	2
pH (Soil, 1:1, Manual Meter)	2
Phosphorus (Soil, NaHCO3 Ext, Colorimetry)	2

Modified from WESTERN REGION (S-2.50) Modified from WREP-125, 3rd Edition, S-9.20 Modified from WESTERN REGION (S-2.20)

External Method

Modified from 84-017, Analytical Methods, Ag Can Modified from WREP-125, S-5.10/EPA 7000B

Sample status upon receipt:

Potassium (Soil, NH4OAc Ext, FAA)

8248095 8248096 Compliant

Notes:

- All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated.
- Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at https://directory.cala.ca/
- Please note; Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory timits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Legend:

RL; Reporting limit QC: Reference material (QC) N/A. Not applicable

1 : Results in annex

- Analysis conducted by external subcontracting
- ^: Analysis not accredited

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4187873-V1



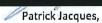
Environment Testing

146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1 (613) 727-5692

OFFICIAL CERTIFICATE OF ANALYSIS - RESULTS

Project: NA						Reception Date: 2024-12-03
	Eurofins S	Sample No :	8248095	8248096		
		Matrix:	Soil	Soil		
	Sam	pling Date :	2024-11-11	2024-11-11		
c	ient Sample Ide	entification;	Sample #1	Sample #2		
General Chemistry	RL	Unit				
Buffer pH	1		6.03	6.02		
pH (1:1)	1		5.93	5.49		
	Eurofins S	Sample No :	8248095	8248096		
		Matrix:	Soil	Soil		
	Sam	pling Date :	2024-11-11	2024-11-11		
c	ient Sample Ide	entification:	Sample #1	Sample #2		
Metals (Ammonium Acetate Extractable)	RL	Unit				
Potassium (NH4OAc Ext)	10	ppm	69	41		
	Eurofins S	Sample No:	8248095	8248096		
		Matrix:	Soil	Soil		
	Sam	pling Date:	2024-11-11	2024-11-11		
Ci	ient Sample Ide	entification:	Sample #1	Sample #2		
Organic Matter	RL	Unit				
Organic Matter @ 350°C^	0.1	%	5.3	5.9		-
	Eurofins S	Sample No:	8248095	8248096		
		Matrix:	Soil	Soll		
	Sam	ping Date :	2024-11-11	2024-11-11		
CI	ient Sample Ide	entification:	Sample #1	Sample #2		
Phosphorus (NaHCO3 Extractab	le) RL	Unit				
Phosphorus (NaHCO3 Ext)	2	ppm	7	10	•	

Approved by:



Ottawa, Environmental Chemist,



Environment Testing

146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1 (613) 727-5692

OFFICIAL CERTIFICATE OF ANALYSIS - QUALITY CONTROL

Project: NA							Recepti	on Date: 2	024-12-03
- Control and to	1189	6 in	Bibasi	Q	3	Matrix 8	Spike	Dup	licate
Parameter	Unit	Fil	Blank	Recovery %	Range %	Recovery %	Range %	RPD %	Range %
Buffer pH (Soil, SMP, Manual Meter)									
	Melhod : Butter p	H, SMP	(Soil, manual	meter). Internal	method:				
Buffer pH		1	7.47	101	96-104			0	0-20
	Associated Samples	: 82480	95, 8248096				A		: 2024-12-17 : 2024-12-17
Organic Matter @ 350°C (Soil, Gravin	netric)								
	Method : Organic Matter is	Soil (Le	os on Ignition). Internal metho	d: AMORG	WA2.			
Organic Matter @ 350°C^	%	0.1	<0.1	104	92-108			2	0-20
	Associated Samples	82480	95, 8248096				A		2024 12-05 2024-12-06
pH (Soll, 1:1, Manual Meter)									-
	Method : pH (Soil, 1:1 Water	Extraction	on, Manual Me	fer). Internal me	thod: AMP	ICNX2			
pH (1:1)		1	6.30	98	96-104			D	0-40
	Associated Samples	: 82480	95, 8248096				A		: 2024-12-17 : 2024-12-17
Phosphorus (Soil, NaHCO3 Ext, Colo	rimetry)								
	Method : Phosphorus (Soil, I	VaHCO3	Ext, Colorime	try). Internal me	thod: AMPI	IOSA2.			
Phosphorus (NaHCO3 Ext)	ppm	2	<2	95	81-119			-	0-30
	Associated Samples	: 82480	95, 8248096				A		2024-12-13 2024-12-13
Potassium (Soil, NH4OAc Ext, FAA)									
	Melhod: NH4OAc ext	metals	(Soil, FAA). In	ternal method: A	MAMFAE8.				
Polassium (NH4OAc Ext)	ppm	10	<10	87	80-120			1	0-50
	Associated Samples	: 824809	95, 8248098				A		2024-12-06 2024-12-10

Where RPD % is reported as "-" the calculation is not available because one or both of the duplicates is within 5 times the RL.

💸 eurofins

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