Agro-One
Agronomy Services

730 Warren Rd. Ithaca, NY 14850
Telephone: 800.344.2697 Fax: 607.257.1350

MANURE ANALYSIS REPORT

Sample Number: 30679020
Date Sampled: 03/03/25
Date Received: 4/7/2025
Date Mailed: 4/10/2025
Statement ID: #12 EDEN VALLEY ORGANICS
Kind: Poultry - Stored (071)
Description: WENNING

Components	As Received	Lbs / Ton	Lbs / 1000 Gal
Nitrogen (N)	1.760 %	35.20	148.62
Ammonium Nitrogen	.919 %	18.38	77.61
Organic Nitrogen	.841 %	16.82	71.01
Phosphorus (P)	.425 %	8.50	35.89
Phosphate Equivalent (P205)	.974 %	19.48	82.25
Potassium (K)	.512 %	10.25	43.26
Potash Equivalent (K20)	.617 %	12.34	52.11
Total Solids	40.65 %		
Density	1.01 kg/l	63.17 Lbs/CuFt	8.44 Lbs/Gal

DAIRY MANURE LOADING RATES NEEDED TO MEET NITROGEN REQUIREMENTS

Spring spread and incorporated Manure-- 90% ammonia N captured.

Storage ty Semi-Solid

Manure Analysis *	**lbs/ ton**
Total N	35.2
Ammonium N	18.4
Organic N	16.8
Phosphate	19
Potassium	12
% SOLIDS	41

Assumed:
Some manure applied in previous years
No cover crop.
30 to 50 lbs of N will be applied as a starter.
Assuming 20 ton yield potential.
Sods are 50/50 grass/legume plowed down.

* MANURE TESTED BY DHIA LABS-

Name: Wenning
Sample D: 04/03/2025
Source: Composted

Estimation of availablity of N.

	Rate	**Organic N**	**%Availabl**	**lbs/unit avl**	
This Year		16.8	60%	10.08	10.08
Last Year	1	16.8	12%	2.016	2.016
2 years ag	1	16.8	5%	0.84	0.84
				12.936	
		Ammonia N			
This Year		18.4	90%	16.56	16.56

Total Nitrogen Available from a single year of spreading 29.50 per ton

Calculation of Load Rates for Various Years of Corn:

Prod. Year	**1st Year**	**2nd Year**	**3rd Year**	**More than 3**
N Demand	30	90	130	150
Resid N 1s	0	2	6	8
Resid N 2r	0	0	1	3
Manure N	30	88	123	139
Manure Rate	**1.0 tons/acre**	**3.0 tons/acre**	**4.2 tons/acre**	**4.7 tons/acre**
At above rate:				
Phosphate	19 lbs/acre	57 lbs/acre	79 lbs/acre	90 lbs/acre
Potash:	12 lbs/acre	36 lbs/acre	50 lbs/acre	57 lbs/acre

GRASS FIELDS

For Grass Fields we need 50 lbs per cutting after 1st and 2nd cuttings or 100 lbs per year.
We will capture very little of the ammonia N.
This rate will be applied every year.

Nitrogen Ne 100

Manure Rate	**2 tons/acre per year.**
	1 tons/acre per cutting
At above rate:	
Nitrogen:	
(20% Amr	33 lbs/acre
Phosphate	38 lbs/acre
Potash:	24 lbs/acre

Nutrients Applied At Different Loading Rates when Incorporated:

Spreader Load Size(tons): 1

Loads/acre	**Rate/Acre**	**N**	**P**	**K**
1	1	29	19	12
1.5	1.5	44	29	18
2	2	59	38	24
2.5	2.5	74	48	30
3	3	88	57	36

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MANURE ANALYSIS REPORT

Sample Number: 30679030
Date Sampled: 03/03/25
Date Received: 4/7/2025
Date Mailed: 4/10/2025
Statement ID: #923 CHAUTANGUA MILL TOP ORGANICS
Kind: Poultry - Stored (071)
Description: CHICKEN LITTER
CHO Pile

Components	As Received	Lbs / Ton	Lbs / 1000 Gal
Nitrogen (N)	3.696 %	73.92	277.96
Ammonium Nitrogen	.779 %	15.59	58.61
Organic Nitrogen	2.917 %	58.33	219.35
Phosphorus (P)	.919 %	18.38	69.12
Phosphate Equivalent (P205)	2.106 %	42.12	158.38
Potassium (K)	1.484 %	29.69	111.62
Potash Equivalent (K20)	1.788 %	35.76	134.46
Total Solids	54.78 %		
Density	.90 kg/l	56.26 Lbs/CuFt	7.52 Lbs/Gal

DAIRY MANURE LOADING RATES NEEDED TO MEET NITROGEN REQUIREMENTS

Spring spread and incorporated Manure-- 90% ammonia N captured.

Storage ty Semi-Solid

Manure Analysis *	**lbs/ ton**
Total N	74
Ammonium N	15.6
Organic N	58.3
Phosphate	42.1
Potassium	35.7
% SOLIDS	55

Assumed:
Some manure applied in previous years
No cover crop.
30 to 50 lbs of N will be applied as a starter.
Assuming 20 ton yield potential.
Sods are 50/50 grass/legume plowed down.

* MANURE TESTED BY DHIA LABS-

Name: CHO Pile 2025
Sample D: 04/03/2025
Source: Chicken Litter

Estimation of availablity of N.

	Rate	**Organic N**	**%Availabl**	**lbs/unit avl**	
This Year		58.3	60%	34.98	34.98
Last Year	1	58.3	12%	6.996	6.996
2 years ag	1	58.3	5%	2.915	2.915
				44.891	
		Ammonia N			
This Year		15.6	90%	14.04	14.04

Total Nitrogen Available from a single year of spreading 58.93 per ton

Calculation of Load Rates for Various Years of Corn:

Prod. Year	**1st Year**	**2nd Year**	**3rd Year**	**More than 3**
N Demand	30	90	130	150
Resid N 1s	0	4	10	14
Resid N 2r	0	0	1	4
Manure N	30	86	118	132
Manure Rate	**0.5 tons/acre**	**1.5 tons/acre**	**2.0 tons/acre**	**2.2 tons/acre**
At above rate:				
Phosphate	21 lbs/acre	62 lbs/acre	84 lbs/acre	94 lbs/acre
Potash:	18 lbs/acre	52 lbs/acre	72 lbs/acre	80 lbs/acre

GRASS FIELDS

For Grass Fields we need 50 lbs per cutting after 1st and 2nd cuttings or 100 lbs per year.
We will capture very little of the ammonia N.
This rate will be applied every year.

Nitrogen Ne 100

Manure Rate **2 tons/acre per year.**
1 tons/acre per cutting

At above rate:
Nitrogen:
(20% Amr 96 lbs/acre
Phosphate 84 lbs/acre
Potash: 71 lbs/acre

Nutrients Applied At Different Loading Rates when Incorporated:

Spreader Load Size(tons): 1

Loads/acre	**Rate/Acre**	**N**	**P**	**K**
1	1	59	42	36
1.5	1.5	88	63	54
2	2	118	84	71
2.5	2.5	147	105	89
3	3	177	126	107

BROOKSIDE LABORATORIES, INC.

** COMPOST ANALYSIS REPORT **

Wenning Poultry Farm
1502 Union City Rd
Fort Recovery, OH 45846

File Number: 29499
Date Received: 03/14/2025
Date Reported: 03/19/2025

Submitted By: Home Office

Lab Number		1758
Description		MERCER 4 3

		% Dry Basis	% Wet Basis	lbs/ Ton
Moisture			50.87	1017.40
Mineral Matter		29.38	14.43	288.60
Lost By Ign (Org M+)		70.62	34.70	694.00
Total Nitrogen		5.10	2.507	50.14
Ammonium-N	(NH4-N)	2.88	1.416	28.32
Nitrate-N	(NO3-N)		< 0.010	
Organic-N		2.22	1.091	21.82
Phosphorus	(P)	1.44	0.707	14.14
Phos. as	(P205)	3.30	1.621	32.42
Potassium	(K)	1.57	0.771	15.42
Potassium as	(K20)	1.89	0.929	18.58
Calcium	(Ca)	8.84	4.343	86.86
Magnesium	(Mg)	0.73	0.359	7.18
Sodium	(Na)	0.38	0.187	3.74
Sulfur	(S)	0.92	0.452	9.04
Carbon		34.55	16.97	339.40

		ppm Dry Basis	ppm Wet Basis	lbs/ Ton
Boron	(B)	21.42	10.52	0.021
Iron	(Fe)	4082.99	2005.97	4.012
Manganese	(Mn)	339.18	166.64	0.333
Copper	(Cu)	61.80	30.36	0.061
Zinc	(Zn)	414.80	203.79	0.408

Foreign Material (%)	< 1	
pH		7.90
C/N Ratio		6.77
Conductivity (mmhos/cm)		18.92

Reviewed by: Melanie Dirksen