

Report Number
F16193-6003
Account Number
61518



3505 Conestoga Dr.
Fort Wayne, IN 46808
260.483.4759
algreatlakes.com

To: MORGAN COMPOSTING
4353 US HWY 10
SEARS, MI 49679

Attn: JOEL CLIFTON

Lab Number: 86200
Sample ID: LIME PLUS
Manure Type: POULTRY, SOLID W/O LITTER (10)

Date Sampled: 7/6/2016
Date Received: 7/11/2016
Date Reported: 7/15/2016 Page: 1 of 8

MANURE ANALYSIS

Analysis	Unit	Analysis Result (As Received)	Pounds Per Ton	First Year Availability [@] Pounds Per Ton
Moisture	%	44.91	898	
Solids	%	55.09	1102	
Ash @ 550 C	%	38.41	768.3	
Organic Matter (LOI @ 550 C)	%	16.68	333.5	
Organic Carbon (LOI @ 550 C)	%	9.67	193.5	
Carbon:Nitrogen Ratio (C:N)	-	4.4:1		
Nitrogen, Total (TKN)	%	2.210	44.2	32.8 *
Nitrogen, Ammonium (NH ₄ -N)	%	0.784	15.7	15.7 *
Nitrogen, Organic (N)	%	1.426	28.5	17.1 *
Phosphorus (P)	%	0.556	25.5 (as P ₂ O ₅)	25.5 (as P ₂ O ₅)
Potassium (K)	%	0.793	19.0 (as K ₂ O)	19.0 (as K ₂ O)
Sulfur (S)	%	2.68	53.7	29.5 #

[@] Estimate of first-year availability does not account for incorporation losses. Consult MWPS-18, "Livestock Waste Facilities Handbook" for additional information.

* Source: MWPS-18, Livestock Waste Facilities Handbook, 1993 # Source: A3411, "Manure Nutrient Credit Worksheet", University of Wisconsin

Report Approved By:

Approval Date: 7/15/2016

David Henry - Agronomist / Technical Services - CCA

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LABORATORIES
Scientists who don't mind getting dirty.™

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MANURE ANALYSIS

Analysis	Unit	Analysis Result (As Received)	Pounds Per Ton	First Year Availability [@] Pounds Per Ton
Magnesium (Mg)	%	0.47	9.4	5.2 #
Calcium (Ca)	%	10.72	214.3	117.9 #
Sodium (Na)	%	0.20	3.9	
Aluminum (Al)	ppm	651	1.3	
Copper (Cu)	ppm	20	<0.1	<0.1 #
Iron (Fe)	ppm	1105	2.2	1.4 #
Manganese (Mn)	ppm	201	0.4	0.3 #
Zinc (Zn)	ppm	151	0.3	0.2 #
Calcium Carbonate Equiv. (CCE)	%	19.8	396.6	

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