

Report Number
F18250-6508
Account Number
61518



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

To: MORGAN COMPOSTING
4353 US HIGHWAY 10
SEARS, MI 49679-8706

For: FENNVILLE SITE

Lab Number: 11279
Sample ID: GYP PLUS
Manure Type: POULTRY, SOLID W/O LITTER (10)

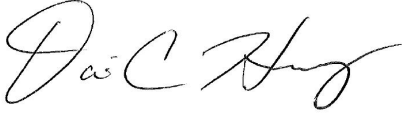
Date Sampled: 8/23/2018
Date Received: 9/7/2018
Date Reported: 9/12/2018 Page: 1 of 2

MANURE ANALYSIS

Analysis	Unit	Analysis Result (As Received)	Pounds Per Ton	First Year Availability [®] Pounds Per Ton
Moisture	%	32.58	652	
Solids	%	67.42	1348	
Ash @ 550 C	%	51.34	1026.8	
Organic Matter (LOI @ 550 C)	%	16.08	321.6	
Organic Carbon (LOI @ 550 C)	%	9.32	186.5	
Carbon:Nitrogen Ratio (C:N)	-	6.6:1		
Nitrogen, Total (TKN)	%	1.409	28.2	22.8 *
Nitrogen, Ammonium (NH ₄ -N)	%	0.730	14.6	14.6 *
Nitrogen, Organic (N)	%	0.679	13.6	8.2 *
Phosphorus (P)	%	0.585	26.8 (as P ₂ O ₅)	26.8 * (as P ₂ O ₅)
Potassium (K)	%	0.880	21.1 (as K ₂ O)	21.1 * (as K ₂ O)
Sulfur (S)	%	4.67	93.5	51.4 #

[®] 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: 9/12/2018
 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)	%	0.58	11.5	6.4 #
Calcium (Ca)	%	10.23	204.6	112.5 #
Sodium (Na)	%	0.18	3.5	
Aluminum (Al)	ppm	872	1.7	
Copper (Cu)	ppm	28	0.1	<0.1 #
Iron (Fe)	ppm	1750	3.5	2.3 #
Manganese (Mn)	ppm	201	0.4	0.3 #
Zinc (Zn)	ppm	180	0.4	0.2 #

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

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