

Report Number  
F18025-6009  
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

Lab Number: 97236  
Sample ID: 1 BCRD COOP 17  
Manure Type: POULTRY, SOLID W/O LITTER (10)

Date Sampled: 1/15/2018  
Date Received: 1/25/2018  
Date Reported: 1/29/2018 Page: 1 of 8

### MANURE ANALYSIS

Analysis	Unit	Analysis Result (As Received)	Pounds Per Ton	First Year Availability <sup>@</sup> Pounds Per Ton
Moisture	%	28.40	568	
Solids	%	71.60	1432	
Ash @ 550 C	%	33.28	665.6	
Organic Matter (LOI @ 550 C)	%	38.32	766.4	
Organic Carbon (LOI @ 550 C)	%	22.22	444.5	
Carbon:Nitrogen Ratio (C:N)	-	4.7:1		
Nitrogen, Total (TKN)	%	4.709	94.2	59.5 *
Nitrogen, Ammonium (NH <sub>4</sub> -N)	%	0.370	7.4	7.4 *
Nitrogen, Organic (N)	%	4.339	86.8	52.1 *
Phosphorus (P)	%	1.484	67.9 (as P <sub>2</sub> O <sub>5</sub> )	67.9 * (as P <sub>2</sub> O <sub>5</sub> )
Potassium (K)	%	2.306	55.3 (as K <sub>2</sub> O)	55.3 * (as K <sub>2</sub> O)
Sulfur (S)	%	0.52	10.5	5.7 #

<sup>@</sup> 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: 1/29/2018

Don Burgess - Agronomist / Technical Services - CPAg/CPSS/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 <sup>®</sup> Pounds Per Ton
Magnesium (Mg)	%	0.65	13.1	7.2 #
Calcium (Ca)	%	9.27	185.5	102.0 #
Sodium (Na)	%	0.28	5.7	
Aluminum (Al)	ppm	463	0.9	
Copper (Cu)	ppm	43	0.1	0.1 #
Iron (Fe)	ppm	905	1.8	1.2 #
Manganese (Mn)	ppm	398	0.8	0.5 #
Zinc (Zn)	ppm	384	0.8	0.5 #

<sup>®</sup> 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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