



**AET Consulting Inc**

**AET CONSULTING INC  
2677 TELEGRAPH RD  
NORTH EAST, MD 21901-1207**

**Prepared For**

MUSHROOM

**Sample Information**

Lab Number		Sampled	12-04-2016
Sample	FRESH SMS	Tested	12-08-2016
Manure Type	Unspecified, Dry		

**Certificate of Analysis  
Manure**

Analysis	Result	Unit	Nutrients lbs/Ton	Available 1st Yr <sup>3</sup> lbs/Ton
Moisture	63.23	%		
Nitrogen, Total	1.73	%	34.6	- <sup>1</sup>
Nitrogen, Ammonium	< 0.01	%	0	0 <sup>1</sup>
Nitrogen, Organic	1.73	%	34.6	- <sup>1</sup>
Phosphorus [P2O5], Total	.52	%	10.4	- <sup>1</sup>
Potassium [K2O]	1.3	%	26.0	- <sup>1</sup>
Calcium	3.24	%	64.8	- <sup>1</sup>
Magnesium	.31	%	6.2	- <sup>1</sup>
Sulfur	.65	%	13.0	- <sup>1</sup>
Boron	84	ppm	0.2	- <sup>1</sup>
Copper	41	ppm	0.1	- <sup>1</sup>
Iron	1750	ppm	3.5	- <sup>1</sup>
Manganese	148	ppm	0.3	- <sup>1</sup>
Zinc	75	ppm	0.1	- <sup>1</sup>
Aluminum, Total	1279	ppm		
Sodium	1295	ppm		

(1) Estimates of 1st year nutrient availability are unavailable if manure type is not specified  
 (2) Estimates of 1st year nutrient availability of "Total Nitrogen" are unavailable if no "Ammonium Nitrogen" test is run.  
 (3) Estimates of 1st year nutrient availability do not take into consideration losses in handling and storage prior to incorporation. Nutrient Management Plan guidelines use 100% availability the 1st year for phosphorus and potassium. Actual 1st year availability varies from 40-90% depending on manure type, soil temperature, moisture and other factors. When using manure credits in fertility programs other than NMP, consult state publications, MWP-18, "Livestock Waste Facilities Handbook" or Spectrum Analytic for more specific 1st year availability percentages.  
 (4) Source: MWP-18, "Livestock Waste Facilities Handbook"  
 (5) Source: A3411, "Manure Nutrient Credit Worksheet", University of Wisconsin