

# Manure Analysis



Submitted By  
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Submitted For  
**AgSource Report Example**

Date Sampled  
**6/12/2018**

Date Received  
**14-Jun-2018**

Date Reported  
**06-Jul-2018**

Laboratory Sample #  
**BH11469**

Information Sheet No.  
**M-TEST1**

Location **HOME**

Sample ID **2**

Livestock Type **Hog**

Handling Type **Liquid**

Analysis	Results (as Received)
Total N, (TKN)	0.67 %
Ammonium, NH <sub>4</sub> -N	0.67 %
Organic Nitrogen, %N	0.01 %
Nitrate, NO <sub>3</sub> -N	0.03 %
Phosphorus, P <sub>2</sub> O <sub>5</sub>	0.34 %
Potassium, K <sub>2</sub> O	0.46 %
Sulfur, S	0.05 %
Calcium, Ca	0.14 %
Magnesium, Mg	0.07 %
Sodium, Na	0.08 %
Zinc, Zn	81.4 ppm
Manganese, Mn	23.9 ppm
Iron, Fe	134.2 ppm
Copper, Cu	12.8 ppm
Soluble Salts, EC <sub>(mmhos/cm)</sub>	16.0
pH	8.0
Dry Matter	4.66 %
Moisture	95.34 %

LIQUID						
Est. Available Nutrient Credits (as received, lbs / 1000 gal)						
Nutrients as lbs/1000 gal	In 1st Year			In 2nd Year	In 3rd Year	
	Injected	Incorporated*	Broadcast**			
56.2	49.6 - 56.2	48.1 - 55.6	37.9 - 50.6	0.0	0.0	
55.4	48.9 - 55.4	47.4 - 54.8	37.4 - 49.9			
0.8	0.7 - 0.8	0.7 - 0.8	0.5 - 0.7			
2.1	2.1 - 2.1	2.1 - 2.1	2.1 - 2.1			
28.3	25.5 - 28.3	25.5 - 28.3	25.5 - 28.3	Residual after uptake		
38.1	34.3 - 38.1	34.3 - 38.1	34.3 - 38.1	Residual after uptake		
4.4	2.4 - 4.4	2.4 - 4.4	2.4 - 4.4			
12.0						
6.2						
6.4						
0.7						
0.2						
1.1						
0.1						

DRY						
Est. Available Nutrient Credits (as received, lbs / ton)						
Nutrients as lbs/ton		In 1st Year		In 2nd Year	In 3rd Year	
		Incorporated*	Broadcast**			
TKN	13.5	11.5 - 13.4	8.5 - 11.5	0.0	0.0	
NH <sub>4</sub> -N	13.3	11.4 - 13.2	8.4 - 11.3			
Org N	0.2	0.2 - 0.2	0.1 - 0.2			
NO <sub>3</sub> -N	0.5	0.5 - 0.5	0.5 - 0.5			
P <sub>2</sub> O <sub>5</sub>	6.8	6.1 - 6.8	6.1 - 6.8	Residual after uptake		
K <sub>2</sub> O	9.1	8.2 - 9.1	8.2 - 9.1	Residual after uptake		
S	1.1	0.6 - 1.1	0.6 - 1.1			
Ca	2.9					
Mg	1.5					
Na	1.5					
Zn	0.2					
Mn	0.1					
Fe	0.3					
Cu	0.0					

\*Surface applied liquid or solid manure incorporated within 1- 4 hours after application.

\*\*Liquid or solid manure left on the surface 4 or more days without incorporation. Wind and high temperature will result in greater loss of available nitrogen.

The Total N (TKN) values are the sum of Ammonium and Organic N. Availability estimates are corrected for ammonia volatilization loss due to each application method.

Available Nutrient Credit ranges are shown for soil and climate conditions prevalent in the Upper Midwest states.

# Liquid manure applied as irrigation will lose more nitrogen from volatilization. An additional 15% of the Liquid TKN value should be subtracted off the Liquid Broadcast TKN Range.

DISCLAIMER: Data and information in this report are intended solely for the individual(s) for whom samples were submitted. Reproduction of this report must be in its entirety. Levels listed are guidelines only. Data was reported based on standard laboratory procedures and deviations.