

Manure Analysis



Submitted By
E&W POULTRY/GROW GREEN
2618 340TH ST
ROCK VALLEY, IA 51247

Submitted For
E & W POULTRY FARM

Date Sampled
8/16/2018

Date Received
20-Aug-2018

Laboratory Sample #
BH86604

Account Number
EW51247301

Test Package
Deluxe

Date Reported
21-Aug-2018

Information Sheet No.
M0820-3

Location 2618 340TH ST

Sample ID 1

Livestock Type Chicken

Handling Type Dry

Analysis	Results (as Received)	LIQUID Est. Available Nutrient Credits (as received, lbs / 1000 gal)					DRY Est. Available Nutrient Credits (as received, lbs / ton)						
		Nutrients as lbs/1000 gal	In 1st Year			In 2nd Year	In 3rd Year	Nutrients as lbs/ton	In 1st Year			In 2nd Year	In 3rd Year
			Injected	Incorporated*	Broadcast**				Incorporated*	Broadcast**			
Total N, (TKN)	3.76 %	312.9	-- --	148.6 - 185.9	117.3 - 169.0	15.6	0.0	TKN	75.1	35.7 - 44.6	26.3 - 38.3	3.8	0.0
Ammonium, NH ₄ -N	0.08 %	6.3	-- --	3.0 - 3.8	2.4 - 3.4			NH ₄ -N	1.5	0.7 - 0.9	0.5 - 0.8		
Organic Nitrogen, %N	3.68 %	306.6	-- --	145.6 - 182.1	115.0 - 165.6			Org N	73.6	35.0 - 43.7	25.8 - 37.5		
Phosphorus, P ₂ O ₅	4.16 %	346.8	-- --	312.2 - 346.8	312.2 - 346.8	Residual after uptake		P ₂ O ₅	83.3	74.9 - 83.3	74.9 - 83.3	Residual after uptake	
Potassium, K ₂ O	2.84 %	236.9	-- --	213.2 - 236.9	213.2 - 236.9	Residual after uptake		K ₂ O	56.9	51.2 - 56.9	51.2 - 56.9	Residual after uptake	
Sulfur, S	0.47 %	39.1	-- --	21.5 - 39.1	21.5 - 39.1			S	9.4	5.2 - 9.4	5.2 - 9.4		
Calcium, Ca	12.89 %	1073.5						Ca	257.7				
Magnesium, Mg	0.56 %	46.8						Mg	11.2				
Sodium, Na	0.22 %	18.0						Na	4.3				
Zinc, Zn	338.9 ppm	2.8						Zn	0.7				
Manganese, Mn	337.6 ppm	2.8						Mn	0.7				
Iron, Fe	726.6 ppm	6.1						Fe	1.5				
Copper, Cu	33.1 ppm	0.3						Cu	0.1				
Dry Matter	92.35 %												
Moisture	7.65 %												

*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.