

Manure Analysis



Submitted By
ELITE ENVIRONMENTAL PRODUCTS
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 SHOSHONOE, ID 83352

Submitted For
Elite Environmental Products

Date Sampled
7/10/2024

Date Received
18-Jul-2024

Laboratory Sample #
CX30691

Account Number
BN06750

Test Package
Basic Plus

Date Reported
22-Jul-2024

Information Sheet No.
M236304

Location **RCD**

Sample ID **1**

Livestock Type **Dairy**

Handling Type **Liquid**

Analysis	Results as Received	Results as Dry Basis	LIQUID Application Methods Est. Available Nutrient Credits (as received, lbs / 1000 gal)						DRY Application Methods 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	1-72 Hours	Broadcast**		<1 Hour	1-72 Hours	Broadcast**									
Dry Matter	3.91 %														
Moisture	96.09 %														
Total N, (TKN)	0.32 %	8.18 %	26.66	13.33	10.66	8.00	2.67		TKN	6.4	3.20	2.56	1.92	0.64	0.32
Phosphorus, P ₂ O ₅	0.08 %	2.15 %	7.0	5.61	5.61	5.61	Residual After Uptake		P ₂ O ₅	1.7	1.34	1.34	1.34	Residual After Uptake	
Potassium, K ₂ O	0.23 %	5.94 %	19.4	15.48	15.48	15.48	Residual After Uptake		K ₂ O	4.7	3.72	3.72	3.72	Residual After Uptake	
Sulfur, S	0.02 %	0.56 %	1.8	1.00	1.00	1.00	0.18	0.09	S	0.4	0.24	0.24	0.24	0.04	0.02
Calcium, Ca	0.11 %	2.83 %	9.3						Ca	2.2					
Magnesium, Mg	0.06 %	1.55 %	5.1						Mg	1.2					
Sodium, Na	0.13 %	3.35 %	10.9						Na	2.6					
Zinc, Zn	8.3 ppm	212 ppm	0.1						Zn	0.0					
Manganese, Mn	6.4 ppm	164 ppm	0.1						Mn	0.0					
Iron, Fe	63.0 ppm	1612 ppm	0.5						Fe	0.1					
Copper, Cu	1.8 ppm	46 ppm	0.0						Cu	< 0.1					

Estimated Value of Available Nutrients:

1st Year - \$19.27	2nd Year - \$1.56	3rd Year - \$0.78	1st Year - \$4.62	2nd Year - \$0.37	3rd Year - \$0.19
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Value based on commercial fertilizer costs as of 05/09/2024.

N(Urea) \$0.56 / lb, P2O5(Diammonium Phosphate(DAP)) \$0.88 / lb, K2O(Potash) \$0.42 / lb, S(Elemental Sulfur) \$0.37 / lb.

*Surface applied liquid or solid manure incorporated within 1- 72 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 .

Application of this manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more years by 15%.

References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1

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.