

References

Dare Farms

<u>Manure Sample Analysis</u>	<u>(#/1000 gal or #/ton basis)</u>					
	N	NH ₄	OrgN	1st Year AvN	P ₂ O ₅	K ₂ O
Liquid	20.8	7.3	13.5	11.8	15.2	18.9
Solid	21.0	8.0	13.0	12.2	18.0	26.0

* Based on actual analysis

** Book value from MWPS

<u>Application Method</u>	<u>N retention</u>	<u>% N retention, from MWPS</u>
SURFACE, SOLID		0.75
SURFACE, LIQUID		0.8
AERWAY		0.9
SURFACE, INCORP		0.95
INJECT		0.98
IRRIGATE		0.7
NONE		0

<u>Organic N Mineralization</u>	<u>% of OrgN</u>	LMFA Regulations
Year of App	0.35	
Year 1 after App	0.35	
Year 2 after App	0.175	
Year 3 after App	0.0875	
Year 4 after App	0.04375	

<u>N, P, & K Requirements</u>	<u>lbs/bu or t, from IL Agronomy Handbook</u>		
<u>Crop</u>	<u>N</u>	<u>P</u>	<u>K</u>
Corn	1.2	0.43	0.28
Soybeans	0	0.85	1.3
Corn Silage	1.2	2.6	7
Wheat	1	0.9	0.3
Grass Hay	150	12	50
Alfalfa Hay	0	12	50

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Arcadia, WI - St Cloud, MN - Stratford, WI

Analyst of:
Feed - Forage - Soil
Water - Mold - Mycotoxins

MANURE ANALYSIS REPORT

014282	
SAMPLE NUMBER	
ACCT # 2978	
DATE	DATE
RECEIVED -	PROCESSED
8/14/2009	8/14/2009

SUBMITTED BY:

Dare Farms
27779 N Dare Rd
Canton, IL 61520

GROWER:

DARE FARMS
CANTON, IL

ANALYSIS RESULTS AS IS

SAMPLE ID
SAMPLE NAME: #1 manure
MATERIAL: Beef
STORAGE SYSTEM: Liquid

MOISTURE: 95.35%
SOLIDS: 4.65%
NITROGEN: 0.15%
PHOSPHORUS: 0.08%
POTASSIUM: 0.19%

Total Nutrients
As Is

Estimated 1st year
Available Nutrients
Injected or | Surface/Not
Incorporated | Incorporated
within 3 days | Within 3 days

Value of Equivalent
Commercial Fertilizer
Injected or | Surface/Not
Incorporated | Incorporated

	lbs/1000 gal	lbs/1000 gal			\$/1000 gal	
NITROGEN	20.75	7.26	5.19	181	\$5.08	\$1.63
PHOSPHATE	15.21	9.12	9.12	3.56	\$7.29	\$7.29
POTASH	18.92	15.14	15.14	8.18	\$12.86	\$12.86

TOTAL VALUE \$25.23 \$23.78

13.55

COMMENTS

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

Availability of N changes depending on application technique. Injection or incorporation within 3 days of application results in higher N availability.

Value based on commercial fertilizer costs as of 12/15/2008.

N (Urea) 0.70/lb
P2O5 (Triple Superphosphate) 0.80/lb
K2O (Potash) 0.85/lb
S (Elemental Sulfur) 1.00/lb

25
39
54