



2/19/09

PO Box 340 • GRIDLEY, IL 61744
Ph. (800) 767-2196 • Fax (309) 747-2313

Hill Crest

Lagoon water	1	2	3	4	ave
NH-N	5.3	5.3	5.2	5.2	11/4 5.25
organic-N	9.9	8.2	6.6	5.8	30.5/4 = 7.6
TKN	15.2	13.5	11.8	11.0	51.5/4 12.9
					7.43
P ₂₀₅	1.7	1.6	1.7	1.6	1.65
K ₂₀	12.5	12.1	12.1	11.5	48.2/4 12.05

solids

NH ₃	2.4
organic	4.3
TKN	6.7
	3.36
P ₂₀₅	2.3
K ₂₀	4.9

Report Number

08-277-5076

**Midwest****Laboratories, Inc.®**

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MAURER-STUTZ INC
TERRY FELDMANN
7615 N HARKER DR
PEORIA IL 61615-

Lab Number: 10013782
 Description: HILLCREST DAIRY
 ELMWOOD ILLINOIS
 Sample Id: HC1

Report Date: Oct 03, 2008
 Received Date: Oct 01, 2008
 Sampled Date:
 P.O. Number:

Account Number: 16078

Parameters	Analysis as Received	Nutrients lbs/ton	Est. First Year Availability lbs/ton
Ammonium Nitrogen(N)	0.12 %	2.4	1
Organic Nitrogen(N)	0.21 %	4.3	2
Total Nitrogen(N)	0.33 %	6.7	3
Phosphorus(P2O5)	0.11 %	2.3	2
Potassium(K2O)	0.25 %	4.9	4
Sulfur(S)	0.07 %	1.3	1
Calcium(Ca)	0.19 %	3.9	3
Magnesium(Mg)	0.06 %	1.1	1
Sodium(Na)	0.09 %	1.8	1
Copper(Cu)	3 ppm	0.01	0.00
Iron(Fe)	130 ppm	0.26	0.18
Manganese(Mn)	19 ppm	0.04	0.03
Zinc(Zn)	15 ppm	0.03	0.02
Moisture	78.7 %		
Total Solids	21.3 %	426.0	
Total Salts		14.1	
pH	9.4		

First year availability of nitrogen is calculated based on preplant application with incorporation within one day. Nitrogen available from previous years application not considered.

Total manure salts should not exceed 500 lbs/acre. Less than 500 lbs/acre if annual rainfall is less than 25 inches and/or the soil CEC is less than 12 meq/100g. Salt contributions from commercial fertilizer applications must also be considered. Soil test yearly to monitor phosphorus levels, organic matter, pH, and micronutrients. Spring soil test for residual nitrate - make accurate sidedress recommendations! Nitrogen availability will vary with methods of application and field conditions. The nitrogen availability values used on a manure management plan must comply with state regulation. These regulations vary from state to state.

Heather Ramig

Client Service Representative

heather@midwestlabs.com (402) 829-9891

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Report Number

08-315-5431



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HILLCREST DAIRY
SAM DILSAVER
23318 W TAGGERT RD
ELMWOOD IL 61529

Lab Number: 10015682
 Description: LAGOON WATER FROM
 DAIRY OPERATION
 Sample Id: 3

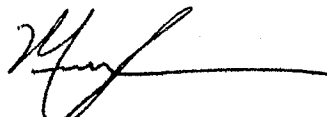
Report Date: Nov 10, 2008
 Received Date: Nov 06, 2008
 Sampled Date:
 P.O. Number:

Account Number: 21192
 Copy To: (17585) ILLINOIS NUTRIENT PLANNERS

Parameters	Analysis as Received	Nutrients lbs/1000 gals	Est. First Year Availability lbs/1000 gals
Ammonium Nitrogen(N)	0.06 %	5.2	5
Organic Nitrogen(N)	0.08 %	6.6	2
Total Nitrogen(N)	0.14 %	11.8	8
Phosphorus(P ₂ O ₅)	0.02 %	1.7	1
Potassium(K ₂ O)	0.14 %	12.1	11
Sulfur(S)	0.01 %	0.6	0
Calcium(Ca)	0.04 %	3.2	2
Magnesium(Mg)	0.02 %	1.3	1
Sodium(Na)	0.05 %	4.6	3
Copper(Cu)	1 ppm	0.01	0.01
Iron(Fe)	9 ppm	0.08	0.05
Manganese(Mn)	3 ppm	0.03	0.02
Zinc(Zn)	3 ppm	0.03	0.02
Moisture	99.1 %		
Total Solids	0.9 %	76.1	
Total Salts		26.4	
pH	8.2		

First year availability of nitrogen is calculated based on preplant application with incorporation. Nitrogen available from previous years application not considered.

Total manure salts should not exceed 500 lbs/acre. Less than 500 lbs/acre if annual rainfall is less than 25 inches and/or the soil CEC is less than 12 meq/100g. Salt contributions from commercial fertilizer applications must also be considered. Soil test yearly to monitor phosphorus levels, organic matter, pH, and micronutrients. Spring soil test for residual nitrate - make accurate sidedress recommendations! Nitrogen availability will vary with methods of application and field conditions. The nitrogen availability values used on a manure management plan must comply with state regulation. These regulations vary from state to state.


 John Menghini
 Agronomist
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Report Number

08-315-5430



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HILLCREST DAIRY
SAM DILSAVER
23318 W TAGGERT RD
ELMWOOD IL 61529

Lab Number: 10015681
 Description: LAGOON WATER FROM
 DAIRY OPERATION
 Sample Id: 2

Report Date: Nov 10, 2008
 Received Date: Nov 06, 2008
 Sampled Date:
 P.O. Number:

Account Number: 21192
 Copy To: (17585) ILLINOIS NUTRIENT PLANNERS

Parameters	Analysis as Received	Nutrients lbs/1000 gals	Est. First Year Availability lbs/1000 gals
Ammonium Nitrogen(N)	0.06 %	5.3	5
Organic Nitrogen(N)	0.10 %	8.2	3
Total Nitrogen(N)	0.16 %	13.5	8
Phosphorus(P2O5)	0.02 %	1.6	1
Potassium(K2O)	0.14 %	12.1	11
Sulfur(S)	0.01 %	0.6	0
Calcium(Ca)	0.04 %	3.0	2
Magnesium(Mg)	0.01 %	1.2	1
Sodium(Na)	0.05 %	4.4	3
Copper(Cu)	1 ppm	0.01	0.01
Iron(Fe)	9 ppm	0.08	0.05
Manganese(Mn)	3 ppm	0.03	0.02
Zinc(Zn)	3 ppm	0.03	0.02
Moisture	99.2 %		
Total Solids	0.8 %	67.6	
Total Salts		26.0	
pH	8.2		

First year availability of nitrogen is calculated based on preplant application with incorporation. Nitrogen available from previous years application not considered.

Total manure salts should not exceed 500 lbs/acre. Less than 500 lbs/acre if annual rainfall is less than 25 inches and/or the soil CEC is less than 12 meq/100g. Salt contributions from commercial fertilizer applications must also be considered. Soil test yearly to monitor phosphorus levels, organic matter, pH, and micronutrients. Spring soil test for residual nitrate - make accurate sidedress recommendations! Nitrogen availability will vary with methods of application and field conditions. The nitrogen availability values used on a manure management plan must comply with state regulation. These regulations vary from state to state.

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