



2/19/09

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

Hill Crest

	1	2	3	4	ave
Lagoon water					
NH-N	5.3	5.3	5.2	5.2	$71/4 = 5.25$
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 <sub>205</sub>	1.7	1.6	1.7	1.6	1.65
K <sub>20</sub>	12.5	12.1	12.1	11.5	$48.2/4 = 12.05$

Solids

NH <sub>3</sub>	2.4
organic	4.3
TKN	6.7
	3.36
P <sub>205</sub>	2.3
K <sub>20</sub>	4.9

Report Number

08-277-5076



Page 1 of 1

13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121 • www.midwestlabs.com

**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

The result(s) issued on this report only reflect the analysis of the sample(s) submitted. For applicable test parameters, Midwest Laboratories is in compliance with NELAC requirements. Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.

Report Number

08-315-5431



13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121 • www.midwestlabs.com

**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(P2O5)	0.02 %	1.7	1
Potassium(K2O)	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  
jp@midwestlabs.com (402)829-9889

The result(s) issued on this report only reflect the analysis of the sample(s) submitted. For applicable test parameters, Midwest Laboratories is in compliance with NELAC requirements. Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.

Report Number  
08-315-5430



13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121 • www.midwestlabs.com

**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.

John Menghini  
Agronomist  
jp@midwestlabs.com (402)829-9889