14-023-9265

Jan 21, 2014 Jan 23, 2014

SEND TO 30582



aboratories, Inc.

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14840 275TH STREET LONG GROVE IA 52756 SCOTT MADDEN **MADDEN AG SERVICES**

Nutrient Land Application MANURE **CINNAMON RIDGE DAIRY** For: (30582) MADDEN AG SERVICES

Sample ID: **FALL 2013 #2** Lab Number: 10078629

		Pounds of Nutrient	f Nutrient	Est. First Year		
	Analysis	per	per	Availability		
Parameter	as Received	1000 gal	acre-in	lbs per 1000 gal	Method	Reviewer-Date
Ammonium nitrogen (total)	0.12 %	10.1	271	10	AOAC 2001.11	jjb4 2014-01-23 14:32:33
Organic nitrogen	0.14 %	11.8	316	4	CALCULATION	Auto 2014-01-23 14:32:33
Total Kjeldahl nitrogen (TKN)	0.26 %	22.0	586	14	AOAC 2001.11	jjb4 2014-01-23 14:32:33
Phosphorus (as P2O5)	0.14 %	11.8	316	00	AOAC 985.01 (mod) *	Auto 2014-01-23 14:32:33
Potassium (as K20)	0.37 %	31.3	834	28	AOAC 985.01 (mod) *	Auto 2014-01-23 14:32:33
Sulfur (total)	0.03 %	2.5	67.6	_	AOAC 985.01 (mod) *	jjb4 2014-01-23 14:32:33
Calcium (total)	0.26 %	22.0	586	15	AOAC 985.01 (mod) *	jjb4 2014-01-23 14:32:33
Magnesium (total)	0.12 %	10.1	271	7	AOAC 985.01 (mod) *	jjb4 2014-01-23 14:32:33
Sodium (total)	0.09 %	7.6	203	5	AOAC 985.01 (mod) *	jjb4 2014-01-23 14:32:33
Copper (total)	38 ppm	0.32	8.57	0.22	ICAP	jjb4 2014-01-23 14:32:33
Iron (total)	520 ppm	4.39	117	3.07	AOAC 985.01 (mod) *	jjb4 2014-01-23 14:32:33
Manganese (total)	36 ppm	0.30	8.12	0.21	ICAP	jjb4 2014-01-23 14:32:33
Zinc (total)	26 ppm	0.22	5.86	0.15	AOAC 985.01 (mod) *	jjb4 2014-01-23 14:32:33
Moisture	90.9 %				SM 2540 G 1997	jjb4 2014-01-23 14:32:33
Total solids	9.10 %	769			CALCULATION	Auto 2014-01-23 14:32:33
Total salts	0.96 %	81.1	2160		CALCULATION	Auto 2014-01-23 14:32:33
pН	7.7 S.U.				EPA 9045C	jjb4 2014-01-23 14:32:33
First year availability of nitrogen is calculated based on pre-plant application with incorporation. Nitrogen available from previous year's application not considered. Total manure salts should not exceed 500 lbs/sec. Less than 500 lbs/sec. if	d on pre-plant application v	ith incorporation	Nitrogen avail	able from previous vear's appl	ication not considered. Total manura salts should be	בל הייהה אל פחס ולה להמה ו המה ללהה פחס ולה (המה ול

"It's year availability of nutrogen is calculated based on pre-plant application with incorporation. Nitrogen available from previous year's 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 regulations. These regulations vary from state to state.

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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