REPORT NUMBER
18-100-9396

REPORT DATE
Apr 10, 2018

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Apr 10, 2018

10594

ALTEN
JIM STEWART
1344 COUNTY RD 10
MEAD NE 68041

Nutrient Land Application

For: (27354) ALTEN
MANURE PACKAGE
104028

need label
Alt EN

Sample ID: WETCAKE-BLACK Lab Number: 10135194

Parameter	Analysis As Received	Pounds of Nutrient AR per ton	Est. First Year Availability lbs per ton	Method	Reviewer-Date
Ammonium nitrogen (total)	0.46 %	9.2	5	AOAC 2001.11	acm2 2018-04-10 14:16:01
Organic nitrogen	2.44 %	48.8	17	Calculation	Auto 2018-04-10 14:16:01
Total Kjeldahl nitrogen (TKN)	2.90 %	58.0	22	AOAC 2001.11	acm2 2018-04-10 14:16:01
Phosphorus (as P2O5)	0.57 %	11.4	8	AOAC 985.01 (mod)	Auto 2018-04-10 14:16:01
Potassium (as K2O)	0.38 %	7.6	7	AOAC 985.01 (mod)	Auto 2018-04-10 14:16:01
Sulfur (total)	0.28 %	5.6	2	AOAC 985.01 (mod)	acm2 2018-04-10 14:16:01
Calcium (total)	0.23 %	4.6	3	AOAC 985.01 (mod)	acm2 2018-04-10 14:16:01
Magnesium (total)	0.11 %	2.2	2	AOAC 985.01 (mod)	acm2 2018-04-10 14:16:01
Sodium (total)	0.12 %	2.4	2	AOAC 985.01 (mod)	acm2 2018-04-10 14:16:01
Copper (total)	9 ppm	0.02	0.01	AOAC 985.01 (mod)	acm2 2018-04-10 14:16:01
Iron (total)	1620 ppm	3.24	2.27	AOAC 985.01 (mod)	acm2 2018-04-10 14:16:01
Manganese (total)	62 ppm	0.12	0.08	AOAC 985.01 (mod)	acm2 2018-04-10 14:16:01
Zinc (total)	86 ppm	0.17	0.12	AOAC 985.01 (mod)	acm2 2018-04-10 14:16:01
Moisture	65.3 %			SM 2540 G-(1997)	acm2 2018-04-10 14:16:01
Total solids	34.70 %	694		Calculation	Auto 2018-04-10 14:16:01
Total salts	1.30 %	26.0		Calculation	Auto 2018-04-10 14:16:01
pH	6.6 S.U.			EPA 9045C *	acm2 2018-04-10 14:16:01

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/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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