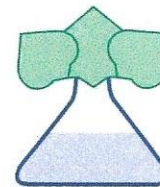


American Agricultural Laboratory, Inc.

700 West D Street / PO Box 370 / McCook, Nebraska 69001

Office: 308-345-3670 / FAX: 308-345-7880

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COMPOST REPORT

FOUR D FARMS
9743 CR 16
FT LUPTON CO 80621

Name: FOUR D FARMS
Sample ID: RSSB0219

Account Number: 75195

Date Sampled: 02/22/2019

Date Received: 02/27/2019

Date Reported: 03/04/2019

Lab Number: 29407

Constituent Analyzed	Results	lbs per ton (as received basis)	Method
Moisture	29.61 %		105 C 5HR
Solids	70.39 %		105 C 5HR
Ash	57.18 %		AOAC 942.05
C : N Ratio	8.7 :1		
pH	8.42 s.u.		SM 4500 B
Electrical Conductivity	7.42 mmhos/cm		SM 4500 B
Soluble Salts	0.67 %	13.4	SM 4500 B
Total Nitrogen (N)	0.70 %	14.0	AOAC 984.13
Organic Nitrogen (N)	0.62 %	12.4	TN-NH4-NO3
Ammonium-N (N)	0.0470 %	0.94	SM 4500 H
Nitrate-N (N)	0.0291 %	0.58	EPA 353.2
Phosphorus (P)	0.30 %	6.0	AOAC 985.01
Phosphorus (P2O5)		13.7	
Potassium (K)	1.16 %	23.2	AOAC 985.01
Potassium (K2O)		27.8	
Calcium (Ca)	1.29 %	25.8	AOAC 985.01
Magnesium (Mg)	0.48 %	9.6	AOAC 985.01
Sodium (Na)	0.23 %	4.6	AOAC 985.01
Chloride (Cl)	0.42 %	8.4	LCHAT12117071A
Sulfur (S)	0.28 %	5.6	AOAC 985.01
Zinc (Zn)	131.5 mg/kg	0.26	AOAC 985.01
Iron (Fe)	4990.8 mg/kg	9.98	AOAC 985.01
Manganese (Mn)	192.3 mg/kg	0.38	AOAC 985.01
Copper (Cu)	33.4 mg/kg	0.07	AOAC 985.01
Boron (B)	40.0 mg/kg	0.08	AOAC 985.01

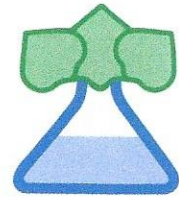
BY _____

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"Analysis You Can Grow With"



DATE 3/4/2019
Submitted By FOUR D FARMS
Address 9743 CR 16
City, State, Zip FT LUPTON CO 80621

Re: Nutrient availability from manure application the first crop year after application

Name: FOUR D FARMS
Sample ID: RSSB0219
Lab Number: 29407

Nutrient	% Availability 1st Year	Lbs/ton (as received basis)
Organic N	20%	2.50
Ammonium-N	95%	0.89
Nitrate-N	100%	0.58
Phosphorus (as P ₂ O ₅)	70%	9.63
Potassium (as K ₂ O)	90%	25.16
Calcium (as Ca)	55%	14.19
Magnesium (as Mg)	55%	5.28
Sodium (as Na)	90%	4.14
Chloride (as Cl)	100%	8.40
Sulfur (as S)	40%	2.24
Zinc (as Zn)	40%	0.11
Iron (as Fe)	40%	3.99
Manganese (as Mn)	40%	0.15
Copper (as Cu)	40%	0.03
Boron (as B)	40%	0.03

% Availability 1st year is an estimation of nutrient availability based on published information for feedlot manure.

Lbs/ton (as received basis) assumes the manure is broadcast and incorporated into the soil immediately after application.

Please contact us if you have any questions. Thanks.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Grooms".

Kevin Grooms