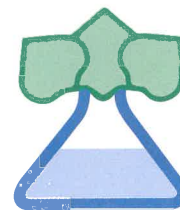


American Agricultural Laboratory, Inc.

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Office: 308-345-3670 / FAX: 308-345-7880 / www.AmAgLab.com

"Analysis You Can Grow With"



DATE 5/10/2019
Submitted By UNL COOPERATIVE EXTENSION
Address PERKINS COUNTY
City, State, Zip GRANT NE 69140

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

Name: STUMPF
Sample ID: BEJU COW
Lab Number: 29642

Nutrient	% Availability 1st Year	Lbs/ton (as received basis)
Organic N	25%	7.16
Ammonium-N	95%	1.37
Nitrate-N	100%	1.12
Phosphorus (as P ₂ O ₅)	70%	26.95
Potassium (as K ₂ O)	90%	35.35
Calcium (as Ca)	55%	22.22
Magnesium (as Mg)	55%	6.71
Sodium (as Na)	90%	5.58
Chloride (as Cl)	100%	12.20
Sulfur (as S)	40%	4.96
Zinc (as Zn)	40%	0.20
Iron (as Fe)	40%	4.17
Manganese (as Mn)	40%	0.19
Copper (as Cu)	40%	0.04
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,

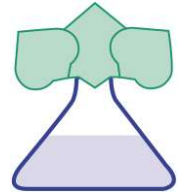
Kevin Grooms

American Agricultural Laboratory, Inc.

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SOLID MANURE NUTRIENT REPORT

UNL COOPERATIVE EXTENSION

PERKINS COUNTY

76025 RD 329

GRANT NE 69140

Account Number: 11580

Date Sampled:

Date Received: 05/07/2019

Date Reported: 05/09/2019

Name: STUMPF
Sample ID: BEJU COW

Lab Number: 29642

Constituent Analyzed	Results	lbs per ton (as received basis)	Method
Moisture	10.43 %		105 C 5HR
Solids	89.57 %		105 C 5HR
Ash	73.12 %		AOAC 942.05
C : N Ratio	5.6 :1		
pH	8.30 s.u.		SM 4500 B
Electrical Conductivity	13.78 mmhos/cm		SM 4500 B
Soluble Salts	1.58 %	31.6	SM 4500 B
Total Nitrogen (N)	1.56 %	31.2	AOAC 984.13
Organic Nitrogen (N)	1.43 %	28.6	TN-NH4-NO3
Ammonium-N (N)	0.0723 %	1.45	SM 4500 H
Nitrate-N (N)	0.0560 %	1.12	EPA 353.2
Phosphorus (P)	0.84 %	16.8	AOAC 985.01
Phosphorus (P2O5)		38.5	
Potassium (K)	1.63 %	32.6	AOAC 985.01
Potassium (K2O)		39.1	
Calcium (Ca)	2.02 %	40.4	AOAC 985.01
Magnesium (Mg)	0.61 %	12.2	AOAC 985.01
Sodium (Na)	0.31 %	6.2	AOAC 985.01
Chloride (Cl)	0.61 %	12.2	LACHAT12117071A
Sulfur (S)	0.62 %	12.4	AOAC 985.01
Zinc (Zn)	253.1 mg/kg	0.51	AOAC 985.01
Iron (Fe)	5206.5 mg/kg	10.41	AOAC 985.01
Manganese (Mn)	234.4 mg/kg	0.47	AOAC 985.01
Copper (Cu)	45.2 mg/kg	0.09	AOAC 985.01
Boron (B)	37.2 mg/kg	0.07	AOAC 985.01

BY _____