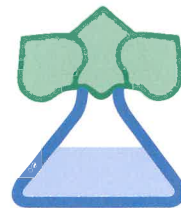


American Agricultural Laboratory, Inc.

700 West D St. / P.O. Box 370 / McCook, Nebraska 69001

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 CHICKEN
Lab Number: 29643

Nutrient	% Availability 1st Year	Lbs/ton (as received basis)
Organic N	25%	10.20
Ammonium-N	95%	3.02
Nitrate-N	100%	0.24
Phosphorus (as P ₂ O ₅)	70%	71.88
Potassium (as K ₂ O)	90%	56.61
Calcium (as Ca)	55%	128.81
Magnesium (as Mg)	55%	8.14
Sodium (as Na)	90%	7.74
Chloride (as Cl)	100%	9.20
Sulfur (as S)	40%	8.72
Zinc (as Zn)	40%	0.51
Iron (as Fe)	40%	2.20
Manganese (as Mn)	40%	0.52
Copper (as Cu)	40%	0.05
Boron (as B)	40%	0.04

% 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'.

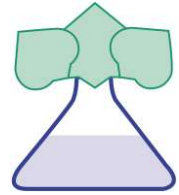
Kevin Grooms

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 CHICKEN

Lab Number: 29643

Constituent Analyzed	Results	lbs per ton (as received basis)	Method
Moisture	13.19 %		105 C 5HR
Solids	86.81 %		105 C 5HR
Ash	59.32 %		AOAC 942.05
C : N Ratio	7.0 :1		
pH	8.70 s.u.		SM 4500 B
Electrical Conductivity	19.27 mmhos/cm		SM 4500 B
Soluble Salts	2.14 %	42.8	SM 4500 B
Total Nitrogen (N)	2.21 %	44.2	AOAC 984.13
Organic Nitrogen (N)	2.04 %	40.8	TN-NH4-NO3
Ammonium-N (N)	0.1587 %	3.17	SM 4500 H
Nitrate-N (N)	0.0121 %	0.24	EPA 353.2
Phosphorus (P)	2.24 %	44.8	AOAC 985.01
Phosphorus (P2O5)		102.6	
Potassium (K)	2.61 %	52.2	AOAC 985.01
Potassium (K2O)		62.6	
Calcium (Ca)	11.71 %	234.2	AOAC 985.01
Magnesium (Mg)	0.74 %	14.8	AOAC 985.01
Sodium (Na)	0.43 %	8.6	AOAC 985.01
Chloride (Cl)	0.46 %	9.2	LACHAT12117071A
Sulfur (S)	1.09 %	21.8	AOAC 985.01
Zinc (Zn)	636.9 mg/kg	1.27	AOAC 985.01
Iron (Fe)	2745.0 mg/kg	5.49	AOAC 985.01
Manganese (Mn)	648.1 mg/kg	1.30	AOAC 985.01
Copper (Cu)	66.3 mg/kg	0.13	AOAC 985.01
Boron (B)	55.8 mg/kg	0.11	AOAC 985.01

BY _____