

**COMPOST TECHNOLOGIES LLC
COMPOST TECHNOLOGIES LLC
48414 COUNTY RD B
CENTER CO 81125**

Nutrient Land Application

For: (43761) COMPOST TECHNOLOGIES LLC
MANURE ANALYSIS

Sample ID: **CHICKEN MIX** Lab Number: **10200371**

Parameter	Pounds of Nutrient AR Est. First Year			Method	Reviewer-Date
	Analysis As Received	per ton	Availability lbs per ton		
Ammonium nitrogen (total)	0.35 %	7.0	4	AOAC 2001.11	tat9 2022-08-25 06:15:29
Organic nitrogen	2.85 %	57.0	20	Calculation	Auto 2022-08-25 06:15:29
Total Kjeldahl nitrogen (TKN)	3.20 %	64.0	23	AOAC 2001.11	tat9 2022-08-25 06:15:29
Phosphorus (as P ₂ O ₅)	2.63 %	52.6	37	AOAC 985.01 (mod)	Auto 2022-08-25 06:15:29
Potassium (as K ₂ O)	2.60 %	52.0	47	AOAC 985.01 (mod)	Auto 2022-08-25 06:15:29
Sulfur (total)	0.79 %	15.8	6	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Calcium (total)	4.45 %	89.0	62	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Magnesium (total)	0.65 %	13.0	9	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Sodium (total)	0.51 %	10.2	7	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Copper (total)	54 ppm	0.11	0.08	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Iron (total)	4980 ppm	9.96	6.97	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Manganese (total)	436 ppm	0.87	0.61	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Zinc (total)	342 ppm	0.68	0.48	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Moisture	21.1 %			SM 2540 G-(1997)	tat9 2022-08-25 06:15:29
Total solids	78.90 %	1580		Calculation	Auto 2022-08-25 06:15:29
Total salts	8.56 %	171		Calculation	Auto 2022-08-25 06:15:29
pH	7.5 S.U.			EPA 9045C *	tat9 2022-08-25 06:15:29

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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