

**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 LITTER**Lab Number: **10200370**

Parameter	Pounds of Nutrient AR Est. First Year			Method	Reviewer-Date
	Analysis As Received	per ton	Availability lbs per ton		
Ammonium nitrogen (total)	0.53 %	10.6	5	AOAC 2001.11	tat9 2022-08-25 06:15:28
Organic nitrogen	2.65 %	53.0	19	Calculation	Auto 2022-08-25 06:15:29
Total Kjeldahl nitrogen (TKN)	3.18 %	63.6	24	AOAC 2001.11	tat9 2022-08-25 06:15:29
Phosphorus (as P ₂ O ₅)	3.00 %	60.0	42	AOAC 985.01 (mod)	Auto 2022-08-25 06:15:29
Potassium (as K ₂ O)	1.96 %	39.2	35	AOAC 985.01 (mod)	Auto 2022-08-25 06:15:29
Sulfur (total)	0.40 %	8.0	3	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Calcium (total)	4.47 %	89.4	63	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Magnesium (total)	0.39 %	7.8	5	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Sodium (total)	0.29 %	5.8	4	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Copper (total)	45 ppm	0.09	0.06	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Iron (total)	908 ppm	1.82	1.27	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Manganese (total)	325 ppm	0.65	0.46	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Zinc (total)	329 ppm	0.66	0.46	AOAC 985.01 (mod)	tat9 2022-08-25 06:15:29
Moisture	33.2 %			SM 2540 G-(1997)	tat9 2022-08-25 06:15:29
Total solids	66.80 %	1340		Calculation	Auto 2022-08-25 06:15:29
Total salts	7.64 %	153		Calculation	Auto 2022-08-25 06:15:29
pH	7.3 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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