

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

Nutrient Land Application

For: (43761) COMPOST TECHNOLOGIES LLC
CHICKEN LITTER
MARK

Sample ID: **CHICKEN LITTER** Lab Number: **10183648** Date Sampled: **2021-08-30**

Parameter	Pounds of Nutrient AR Est. First Year			Method	Reviewer-Date
	Analysis As Received	per ton	Availability lbs per ton		
Ammonium nitrogen (total)	0.37 %	7.4	4	AOAC 2001.11	tat9 2021-09-03 15:58:37
Organic nitrogen	3.58 %	71.6	25	Calculation	Auto 2021-09-03 15:58:38
Total Kjeldahl nitrogen (TKN)	3.95 %	79.0	29	AOAC 2001.11	tat9 2021-09-03 15:58:37
Phosphorus (as P ₂ O ₅)	3.48 %	69.6	49	AOAC 985.01 (mod)	Auto 2021-09-03 15:58:38
Potassium (as K ₂ O)	2.66 %	53.2	48	AOAC 985.01 (mod)	Auto 2021-09-03 15:58:38
Sulfur (total)	0.54 %	10.8	4	AOAC 985.01 (mod)	tat9 2021-09-03 15:58:38
Calcium (total)	5.49 %	110	77	AOAC 985.01 (mod)	tat9 2021-09-03 15:58:38
Magnesium (total)	0.51 %	10.2	7	AOAC 985.01 (mod)	tat9 2021-09-03 15:58:38
Sodium (total)	0.43 %	8.6	6	AOAC 985.01 (mod)	tat9 2021-09-03 15:58:38
Copper (total)	62 ppm	0.12	0.08	AOAC 985.01 (mod)	tat9 2021-09-03 15:58:38
Iron (total)	845 ppm	1.69	1.18	AOAC 985.01 (mod)	tat9 2021-09-03 15:58:38
Manganese (total)	421 ppm	0.84	0.59	AOAC 985.01 (mod)	tat9 2021-09-03 15:58:38
Zinc (total)	457 ppm	0.91	0.64	AOAC 985.01 (mod)	tat9 2021-09-03 15:58:38
Moisture	12.4 %			SM 2540 G-(1997)	tat9 2021-09-03 15:58:38
Total solids	87.60 %	1750		Calculation	Auto 2021-09-03 15:58:38
Total salts	9.46 %	189		Calculation	Auto 2021-09-03 15:58:38
pH	7.1 S.U.			EPA 9045C *	tat9 2021-09-03 15:58:38

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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