

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: TM CHICKEN MIX

Lab Number: 10167764

Parameter	Pounds of Nutrient AR Est. First Year			Method	Reviewer-Date
	Analysis As Received	per ton	Availability lbs per ton		
Ammonium nitrogen (total)	0.22 %	4.4	2	AOAC 2001.11	tat9 2020-08-28 09:23:28
Organic nitrogen	2.20 %	44.0	15	Calculation	Auto 2020-08-28 09:23:28
Total Kjeldahl nitrogen (TKN)	2.42 %	48.4	18	AOAC 2001.11	tat9 2020-08-28 09:23:28
Phosphorus (as P <sub>2</sub> O <sub>5</sub> )	2.82 %	56.4	40	AOAC 985.01 (mod)	Auto 2020-08-28 09:23:28
Potassium (as K <sub>2</sub> O)	2.67 %	53.4	48	AOAC 985.01 (mod)	Auto 2020-08-28 09:23:28
Sulfur (total)	0.89 %	17.8	7	AOAC 985.01 (mod)	tat9 2020-08-28 09:23:28
Calcium (total)	5.78 %	116	81	AOAC 985.01 (mod)	tat9 2020-08-28 09:23:28
Magnesium (total)	0.84 %	16.8	12	AOAC 985.01 (mod)	tat9 2020-08-28 09:23:28
Sodium (total)	0.57 %	11.4	8	AOAC 985.01 (mod)	tat9 2020-08-28 09:23:28
Copper (total)	62 ppm	0.12	0.08	AOAC 985.01 (mod)	tat9 2020-08-28 09:23:28
Iron (total)	11400 ppm	22.8	16.0	AOAC 985.01 (mod)	tat9 2020-08-28 09:23:28
Manganese (total)	586 ppm	1.17	0.82	AOAC 985.01 (mod)	tat9 2020-08-28 09:23:28
Zinc (total)	343 ppm	0.69	0.48	AOAC 985.01 (mod)	tat9 2020-08-28 09:23:28
Moisture	4.48 %			SM 2540 G-(1997)	tat9 2020-08-28 09:23:28
Total solids	95.52 %	1910		Calculation	Auto 2020-08-28 09:23:28
Total salts	10.1 %	202		Calculation	Auto 2020-08-28 09:23:28
pH	7.5 S.U.			EPA 9045C *	tat9 2020-08-28 09:23:28

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.

Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.