UNIVERSITY OF FLORIDA
Institute of Food and Agricultural Sciences
Analytical Services Laboratories
Livestock Waste Testing Laboratory, Gainsville, FL

Livestock Waste Testing Lab
631 Wallace Building
Gainsville, FL 32622
(352) 392 1950
FAX (352) 392 1960

Livestock Waste Analysis Grower Report

Rodney Eaton
925 Lois Ln.
Titusville, FL 32780

Lab #	10676
Sample Label	Worm Casting
Date Collected	December 08, 2022
Date Delivered	
Date of Report	12/21/2022
County of Sample	Brevard

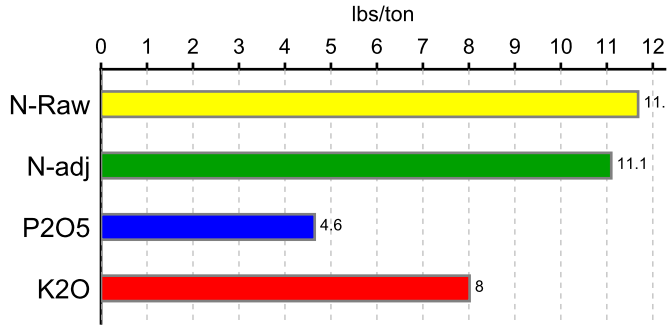
Sample Type:	Other composted material
Crop or Use:	
Application Equipment:	Other - Solids
Incorporation:	
Previous Applications:	

***Nutrient Content in Manure as Delivered to Laboratory

Nutrient Constituent	Raw Sample	Adjusted For Application Losses of N	Units
Nitrogen (N):	12	11	lbs/ton
Phosphorus (P2O5):	5	5	lbs/ton
Potassium (K2O):	8	8	lbs/ton

pH as Sampled: 5.5
Moisture Content: 69.0 %
Total Solids: 31.0 %
Total Ash: 9.7 %

Fertilizer Equivalent in Manure (As Is)



*** Total Nutrient Requirement for:	lbs. N/acre	P_2O_5	lbs K_2O/acre
null	null	null	null
Totals	0	0	0

Nitrogen Recommendation Base

***Manure application rate (As Is) to supply crop N requirement:
0 tons/acre

By supplying the crop N requirement at the rate shown above, the following total nutrients will be applied:
0 lbs. N/acre
0 lbs P_2O_5/acre
0 lbs K_2O/acre

Supplemental nutrients needed:
0 lbs. N/acre
0 lbs P_2O_5/acre
0 lbs K_2O/acre

***Economic value of manure at the rate shown above:

N	$ 0 per acre
P_2O_5	$ 0 per acre
K_2O	$ 0 per acre

***Cost of additional nutrients needed:
$ 0 N per Acre
$ 0 P_2O_5 per acre
$ 0 K_2O per acre

Phosphorus Recommendation Base

***Manure application rate (As Is) to supply crop P requirement:
0 tons/acre

By supplying the crop P requirement at the rate shown above, the following total nutrients will be applied:
0 lbs. N/acre
0 lbs P_2O_5 /acre
0 lbs K_2O/acre

Supplemental nutrients needed:
0 lbs. N/acre
0 lbs P_2O_5/acre
0 lbs K_2O/acre

***Economic value of manure at the rate shown above:

N	$ 0 per acre
P_2O_5	$ 0 per acre
K_2O	$ 0 per acre

***Cost of additional nutrients needed:
$ 0 lbs. N/acre
$ 0 P_2O_5 per acre
$ 0 K_2O per acre

*** Assumptions are shown in footnotes on Page 2. Revised October 2008.

01/23/2009

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PHONE: 3214748214

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Date Collected	December 08, 2022
Date Delivered	
Date of Report	
County of Sample	Brevard

Sample Type:	Other composted material
Crop or Use:	null
Application Equipment:	Other - Solids
Incorporation:	null
Previous Applications:	null

Laboratory Results (All weights are based on sample weight as received)

Total Solids:	310157	mg/kg	31.02 %	620	lbs/ton
Total Ash:	96991	mg/kg	9.70 %	194	lbs/ton
Total Kjeldahl N*:	5840	mg/kg	0.58 %	11.7	lbs/ton
Ammonia Nitrogen:	6	mg/kg	0.00 %	0.0	lbs/ton
Total Elemental P:	1022	mg/kg	0.10 %	2.0	lbs/ton
Total Elemental K:	3326	mg/kg	0.33 %	6.7	lbs/ton
Moisture:	69.0 %				
pH:	5.5				

* Total Kjeldahl Nitrogen is equivalent to Total N for manure and high organic samples

Estimated Nitrogen Losses:

N-Content of Sample as Tested:			11.7	lbs/ton
***N-losses during application:	5 %	-	0.6	lbs
***N-losses while awaiting incorporation:	0 %	-	0.0	lbs
***Other N-Losses:	0 %	-	0.0	lbs
Estimated Available N:	95.0 %	-	11.1	lbs/ton

Foot Notes:

Fertilizer Equivalent in Manure - The nitrogen value is an estimate based on inherent losses from using animal manures.

Total Nutrient Requirement For - This is the total N-P2O5-K2O recommended for the crop for a growing season assuming low P2O5 and K2O soil tests. Split applications of N and K2O result in more efficient nutrient use. For assistance in determing individual application rates, see your County Extension Agent, nutrient management specialist or Soil and Water Conservation District Technician.

Manure application rate - The maximum application rate that should be applied if it is split applied at least three times during this crop, and the amount applied in each application adjusted to crop intake. If single applications are used, then manure should be applied at 50% of the above rate with the remaining N requirement being met by supplemental fertilization. Sprayfields with frequent applications may also need an adjusted rate.

Economic Value This is by nature a rough approximation meant for comparative purposes only. Since the value of N and P2O5 are by far the most important in determining economic value of manure, only these are considered in the calculations. The commercial values of N and P2O5 are estimated using ammonium nitrate at $580/ton, concentrated superphosphate (0-46-0) at $1120/ton, and potassium chloride (0-0-60) at $800/ton.

N-Losses during application - A loss of 25% is assumed for liquid samples with a pH above 7 and for situations where sprinklers are used for application. A standard loss of 5% is assumed for all other materials and situations.

N-Losses while awaiting incorporation - It is assumed there will be no N loss to volitilization if solid or slurry manures are incorporated within 24 hours and a 25% loss if they are not. Liquid applications are considered to have an additional 25% volatilization loss before stabilization in soil.
Other N-Losses - A 50% reduction in N availability is calculated whenever a manure having an ammonia to organic nitrogen ratio less than or equal to 1 is applied to a field where manure was not applied the previous year.

Regular soil testing is recommended where manures are applied often.

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Wallace Building 631 PO Box 110740 Gainesville, FL 32611-0740
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ADDITIONAL ANALYSES REPORT

To:
Rodney Eaton
925 Lois Ln.
Titusville FL 32780

Tel: (321)474-8214

Lab Number	Sample Id	Cu mg/L	Mn mg/L	Zn mg/L
L10676	Worm Casting	33.48	33.53	34.03

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Livestock Waste Analysis Grower Report

Rodney Eaton
925 Lois Ln.
Titusville, FL 32780

Lab #	10677
Sample Label	Soil Builder
Date Collected	December 08, 2022
Date Delivered	
Date of Report	12/21/2022
County of Sample	Brevard

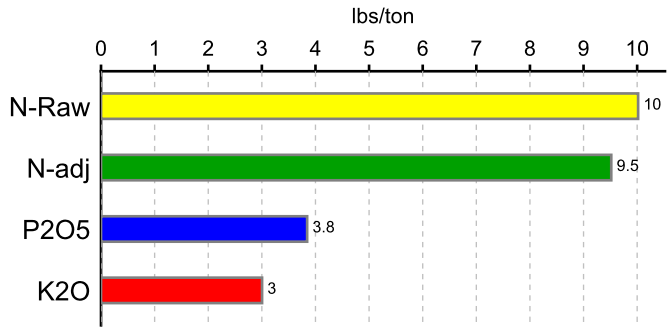
Sample Type:	Other composted material
Crop or Use:	
Application Equipment:	Other - Solids
Incorporation:	
Previous Applications:	

***Nutrient Content in Manure as Delivered to Laboratory

Nutrient Constituent	Raw Sample	Adjusted For Application Losses of N	Units
Nitrogen (N):	10	10	lbs/ton
Phosphorus (P2O5):	4	4	lbs/ton
Potassium (K2O):	3	3	lbs/ton

pH as Sampled: 5.5
Moisture Content: 50.1 %
Total Solids: 49.9 %
Total Ash: 21.6 %

Fertilizer Equivalent in Manure (As Is)



*** Total Nutrient Requirement for:	lbs. N/acre	P_2O_5	lbs K_2O/acre
null	null	null	null
Totals	0	0	0

Nitrogen Recommendation Base

*****Manure application rate (As Is) to supply crop N requirement:**
0 tons/acre

By supplying the crop N requirement at the rate shown above, the following total nutrients will be applied:
0 lbs. N/acre
0 lbs P_2O_5/acre
0 lbs K_2O/acre

Supplemental nutrients needed:
0 lbs. N/acre
0 lbs P_2O_5/acre
0 lbs K_2O/acre

*****Economic value of manure at the rate shown above:**
N $ 0 per acre
P_2O_5 $ 0 per acre
K_2O $ 0 per acre

*****Cost of additional nutrients needed:**
$ 0 N per Acre
$ 0 P_2O_5 per acre
$ 0 K_2O per acre

Phosphorus Recommendation Base

*****Manure application rate (As Is) to supply crop P requirement:**
0 tons/acre

By supplying the crop P requirement at the rate shown above, the following total nutrients will be applied:
0 lbs. N/acre
0 lbs P_2O_5 /acre
0 lbs K_2O/acre

Supplemental nutrients needed:
0 lbs. N/acre
0 lbs P_2O_5/acre
0 lbs K_2O/acre

*****Economic value of manure at the rate shown above:**
N $ 0 per acre
P_2O_5 $ 0 per acre
K_2O $ 0 per acre

*****Cost of additional nutrients needed:**
$ 0 lbs. N/acre
$ 0 P_2O_5 per acre
$ 0 K_2O per acre

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Date of Report	
County of Sample	Brevard

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Crop or Use:	null
Application Equipment:	Other - Solids
Incorporation:	null
Previous Applications:	null

Laboratory Results (All weights are based on sample weight as received)

Total Solids:	498938	mg/kg	49.89 %	998	lbs/ton
Total Ash:	215840	mg/kg	21.58 %	432	lbs/ton
Total Kjeldahl N*:	5009	mg/kg	0.50 %	10.0	lbs/ton
Ammonia Nitrogen:	1	mg/kg	0.00 %	0.0	lbs/ton
Total Elemental P:	846	mg/kg	0.08 %	1.7	lbs/ton
Total Elemental K:	1247	mg/kg	0.12 %	2.5	lbs/ton
Moisture:	50.1 %				
pH:	5.5				

* Total Kjeldahl Nitrogen is equivalent to Total N for manure and high organic samples

Estimated Nitrogen Losses:

N-Content of Sample as Tested:			10.0	lbs/ton
***N-losses during application:	5 %	-	0.5	lbs
***N-losses while awaiting incorporation:	0 %	-	0.0	lbs
***Other N-Losses:	0 %	-	0.0	lbs
Estimated Available N:	95.0 %	-	9.5	lbs/ton

Foot Notes:

Fertilizer Equivalent in Manure - The nitrogen value is an estimate based on inherent losses from using animal manures.

Total Nutrient Requirement For - This is the total N-P2O5-K2O recommended for the crop for a growing season assuming low P2O5 and K2O soil tests. Split applications of N and K2O result in more efficient nutrient use. For assistance in determing individual application rates, see your County Extension Agent, nutrient management specialist or Soil and Water Conservation District Technician.

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Tel: (321)474-8214

Lab Number	Sample Id	Cu mg/L	Mn mg/L	Zn mg/L
L10677	Soil Builder	78.94	35.00	37.49