City of Angola

Class A Exceptional Quality Composted Biosolids Product Information Sheet

Compost Windrow Build Date: December 2017

Compost Distribution Date: December 2019

Nutrient Data

% Solids: 38.46

	% on Dry Weight Basis	Loading Rates Lbs/Wet Ton
Nitrogen		
Total	2.68	
Kjeldahl	2.42	
Ammonia as N	6	
Nitrate as N	1165	
Phosphorus		
Total	2.11	
As P2O5	4.83	
Potassium		
Total	2.11	
As K2O	0.49	

Analysis Date: 12/3/19

Metals & Inorganics Data

% Solids: 38.46

	Angola Finished Compost (mg/kg)	US EPA Exceptional Quality Maximum (mg/kg)
Arsenic	28.9	41
Cadmium	1.19	39
Copper	404	1500
Lead	44.5	300
Mercury	<0.568	17
Molybdenum	11.0	75
Nickel	17.8	420
Selenium	3.64	100
Zinc	652	2800
PCB's	<0.12	2
Calcium	5.05%	
Magnesium	0.77%	

Analysis Date: 12/3/19

The application of composted biosolids is prohibited except in accordance with the guidelines herein. The City of Angola makes no warranty of merchantability or fitness of this compost for any other purpose than that described herein. There is no warranty, expressed or implied, as to the quality or productivity of any compost. Compost, like any other organic or inorganic fertilizer, should be stored in a protected area away from areas which may allow it to be washed into water bodies.

Compost Ingredients

- Chipped Tree Trimmings: 30-40%
- Mixed Yard Waste: 30-40%

  (Includes grass and leaf litter)
- Dewatered Biosolids: 20-40%

Mix ratios are based on volume, and may vary based on amendment availability and density of materials.

Pathogen Information

	Angola Finished Compost		IDEM Maximum Level	
Fecal Coliform	25	MPN/gram (dry weight)	1000	MPN/gram (dry weight)

Analysis Date: 12/3/19

	Angola Finished Compost		IDEM Maximum Level	
Helminth Ova	NA	ova/4grams	<1	ova/4 grams
Enteric Viruses	NA	PFU/4grams	<1	PFU/4grams

Analysis Date:

Additonal Data

Provided when available	Angola Finished Compost	
Moisture	61.54	%
Bulk Density	1250 (est)	lbs/cu yd
pH	6.3	
Specific Conductance		µmhos/cm
Volatile Solids	52.8	%
Carbon:Nitrogen Ratio	10.5:1	

Analysis Date(s): 12/3/19

See reverse side for additional information!

CITY OF ANGOLA

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ADDITIONAL INFORMATION CAN BE FOUND AT:

www.compostingcouncil.org/education/

cwmi.css.cornell.edu/resources.htm

extension.umd.edu/publications/PDFs/FS501.pdf

www.in.gov/idem/4555.htm

Uses & Application

As with any fertilizer, application rates should be determined based on soil tests. Compost should only be applied with a accepted practices, and always in a safe, nuisance-free manner. The following information provides a general guide for the use of this compost. For reference, a 1/2 ton pickup truck with an 8' bed can hold approximately 1 cubic yard of compost (~1000 lbs of compost).

- **Lawn Maintenance:** 1/2 of a pickup truck load of compost is enough to top dress a 5000 square foot yard (50 Lbs PAN/acre).
- **Lawn Establishment:** 2-1/2 pickup truck loads of compost is enough to help start a 5000 square foot yard (300 Lbs PAN/acre). Spread evenly and till compost into 6-8 inches of soil for new yards.
- **Garden Establishment:** For a 1000 square foot garden, till 0.2 cubic yards (about 5 wheel barrows) of compost into 6-8 inches of soil for new yards or gardens (100 Lbs PAN/acre).
- **Shrub and Tree Planting:** Dig a hole that will allow 10% of the root ball to be above ground. The diameter of the hole should be 3 to 4 times the diameter of the root ball, especially in poor soil. Use a 3:1 mix of soil and compost to backfill.
- **Agricultural Applications:** Composted biosolids are a valuable resource in agricultural applications. Application rates should be based on representative soil tests, and based on soil nitrogen availability and crop uptake rates.

The Angola Wastewater Treatment Plant and Angola Street Department are proud to provide you with a superior soil amendment for your use. By choosing Angola Compost, you are supporting a program that makes good economic and environmental sense. Composting dewatered biosolids reduces fuel consumption and handling costs, as well as providing a valuable resource for gardening and law care. Compost is the original "Green" product!

Our compost is produced in strict accordance to the Indiana Department of Environmental Management and US EPA rules for minimum standards for pathogen reduction, vector attraction reduction and metals concentration limits of municipal biosolids. Quality Assurance and Quality Control procedures ensure that our compost is a safe, stable, high-quality soil amendment. Like any organic or inorganic fertilizer, compost should be handled with care…***Wash those hands after use!***

Be a good neighbor! If you are unable to use your compost within 24 hours, protect it from wind and rain by covering it, or storing in an area that is protected.

COMPOST AND ITS BENEFITS[1]

Compost is the product resulting from the controlled biological decomposition of organic material that has been sanitized through the generation of heat and stabilized to the point that it is beneficial to plant growth.

Compost is produced through the activity of aerobic microorganisms. These microbes generate heat, water vapor and carbon dioxide as they transform raw materials into a stable soil conditioner.

Compost can greatly enhance the physical structure of soil by resisting compaction, increasing the soils water holding capacity, supplying a variety of micro and macronutrients, stabilizing soil pH and in many other ways.

Since compost contains relatively stable sources of organic matter, micro and macronutrients are supplied in a slow release form. Compost made from biosolids typically contain higher concentration of these nutrients than peat soils or manures, making it a superior product for providing nutrients.

Side-by-side comparison studies of commercial fertilizer and compost show significantly higher yields and vigorous growth for compost-amended soils.

1 Information primarily from the US Composting Council, "USCC Factsheet: Compost and Its Benefits", visit www.compostingcouncil.org for more information.