



Soil Energy, Inc.

Distributor:
Soil Energy, Inc.
 303 N Warnell St., Plant City, FL
Contact: (863)667-2773
Florida Fertilizer Lic. #: F003267
Product Name: AAA Soil Energy

Soil Manufacturer:
BS Ranch & Farm, Inc.
 4360 Maine Ave., Lakeland, FL
Contact: (863)667-2773
Florida Fertilizer Lic. #: F001818

Soil Amendment - Technical Data Sheet			
Laboratory: Midwest Laboratories; 13611 B St, Omaha, NE 68144 Tel:(402) 334-7770 Fax: (402) 334-9121 Email: contactus@midwestlabs.com			
Soil Parameters	Reported as	Test Results	Test Date
pH	SU	8.00	1/5/2023
Conductivity (Soluble Salts)	mS/cm	1.76	1/5/2023
Primary & Secondary Nutrients			
Nitrogen	Total N, %, dry weight	1.53	1/5/2023
Phosphorus	P ₂ O ₅ , %, dry weight	2.47	1/5/2023
Potassium	K ₂ O, %, dry weight	0.51	1/5/2023
Calcium	Ca, %, dry weight	4.67	1/5/2023
Magnesium	Mg, %, dry weight	0.59	1/5/2023
Sulfur	S, %, dry weight	0.31	1/5/2023
Sodium	Na, %, dry weight	0.118	1/5/2023
Micronutrients			
Iron	Fe, ppm, dry weight	3,747	1/5/2023
Manganese	Mn, ppm, dry weight	131	1/5/2023
Solids	%, as received	50.98	1/5/2023
Moisture Content	%, wet weight	49.02	1/5/2023
Organic Matter Content	%, dry weight	37.47	1/5/2023
Total Carbon	C, %, dry weight	21.81	1/5/2023
Particle Size	Sieve % Passing 1/4"	99	1/5/2023
Stability (respirometry)	mg CO ₂ -C per g TS per day	0.01	1/5/2023
Stability (respirometry)	mg CO ₂ -C per g OM per day	0.01	1/5/2023
Maturity (Bioassay)	% Emergence (average)	100	1/5/2023
Maturity (Bioassay)	% Relative Seedling Vigor (average)	100	1/5/2023
Maturity (Solvita)	NH ₃ /CO ₂ , 1-8 (8 is highest maturity, lowest chance of phytotoxicity)	7	1/19/2023
Nutrient Index	Divide N,P,K by Sodium,Chloride; 1-10 is normal (the higher, less chance of toxic build up of salt)	>10	1/5/2023
Pathogens	PASS/FAIL (per US EPA Class A standards, 40 CFR § 503.32(a))	PASS	1/5/2023
Trace Metals	PASS/FAIL (per US EPA standards, 40 CFR § 503.13, Table 3)	PASS	1/5/2023

Specific Directions for Product Use:

AAA Soil Energy is a highly mature soil amendment rich in nutrients used primarily for agricultural applications. Wearing gloves is recommended when handling soil amendments or fertilizers. Always wash hands after use. This product meets criteria of applicable portions of FDEP subsection 62-640, F.A.C. and should be applied at a rate that does not exceed crop/plant nutrient needs. Recommended application rates vary 1-100 TN/AC per application based on many factors. Recommended application schedule of 1-4x per year based on many factors. Schedule a consultation appointment by contacting (863)667-2773 or Info@bsranchandfarm.com prior to use.

Storage:

No person shall have more than one dry ton of unapplied Class AA biosolids or biosolids products distributed and marketed under FDEP Rule 62-640.850, F.A.C., on their property for more than seven days unless stored to prevent runoff of biosolids or stormwater that has been in contact with biosolids, violation of the odor prohibition in subsection 62-296.320(2), F.A.C., and vector attraction.

Ingredients:

AAA Soil Energy is regulated as a 'Class AA Biosolids product' by the Florida Department of Environmental Protection and as a 'fertilizer' by the Florida Department of Agriculture and Consumer Services. This product meets criteria of subsection 62-640.700(5), F.A.C. This product is regionally formulated utilizing one or more of the following organic feedstocks: Carbon materials (ie: mulch, ground tree debris), food waste, organic liquid materials, post-consumer materials (ie: biosolids, septage, organic sludge).

Florida Department of Agriculture & Consumer Services, Food & Drug Administration Regulations:

This document constitutes 'Certificate of Conformance' in accordance with Title 21 CFR § 112.60. The processes used to make this product is a scientifically valid process that has been carried out with appropriate monitoring and the product has been handled, conveyed, and stored in a manner and location to minimize the risk of contamination by an untreated or in process product or material.

Warranty:

No warranty or representation is made, express or implied, regarding this product, its contents, quality, suitability for any particular use, or results from use of this product. Manufacturer or distributor make no claims as described in Florida Statute 576.011(12)(a-d). Nutrient data are for informational purposes only and do not constitute, in whole or in part, a guaranteed analysis.