



**Soil Energy, Inc.**

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

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

<b>Soil Amendment - Technical Data Sheet</b>			
Laboratory: Midwest Laboratories; 13611 B St, Omaha, NE 68144 Tel:(402) 334-7770 Fax: (402) 334-9121 Email: contactus@midwestlabs.com			
<b>Soil Parameters</b>	<b>Reported as</b>	<b>Test Results</b>	<b>Test Date</b>
pH	SU	7.50	1/5/2023
Conductivity (Soluble Salts)	mS/cm	0.88	1/5/2023
Primary & Secondary Nutrients			1/5/2023
Nitrogen	Total N, %, dry weight	0.86	1/5/2023
Phosphorus	P, %, dry weight	0.84	1/5/2023
Potassium	K <sub>2</sub> O, %, dry weight	0.23	1/5/2023
Calcium	Ca, %, dry weight	2.41	1/5/2023
Magnesium	Mg, %, dry weight	0.23	1/5/2023
Sulfur	S, %, dry weight	0.15	1/5/2023
Sodium	Na, %, dry weight	0.057	1/5/2023
Micronutrients			1/5/2023
Iron	Fe, ppm, dry weight	2,047	1/5/2023
Manganese	Mn, ppm, dry weight	131	1/5/2023
Solids	%, as received	52.27	1/5/2023
Moisture Content	%, wet weight	47.73	1/5/2023
Organic Matter Content	%, dry weight	50.32	1/5/2023
Total Carbon	C, %, dry weight	25.9	1/5/2023
Particle Size	Sieve % Passing 1/4"	94	1/5/2023
Stability (respirometry)	mg CO <sub>2</sub> -C per g TS per day	0.08	1/5/2023
Stability (respirometry)	mg CO <sub>2</sub> -C per g OM per day	0.07	1/5/2023
Maturity (Bioassay)	% Emergence (average)	90	1/5/2023
Maturity (Bioassay)	% Relative Seedling Vigor (average)	100	1/5/2023
Maturity (Solvita)	NH <sub>3</sub> /CO <sub>2</sub> , 1-8 (8 is highest maturity, lowest chance of phytotoxicity)	8	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:**

*Premium Soil Energy* is a highly mature soil amendment rich in nutrients. Wearing gloves is recommended when handling soil amendments or fertilizers. Always wash hands after use. This product meets criteria of applicable portions of FDEP statutes and should be applied at a rate that does not exceed crop/plant nutrient needs. See below for more information:

**New Lawns** - apply a 1-2" layer of soil amendment. Incorporate to depth of 5-7".

Apply seed, rake, and water.

**New Flower Beds** - apply a 1-2" layer of soil amendment. Incorporate to depth of 6-8".

Plant flowers and water. Repeat ever 1-2 years.

**Garden Beds (food crops)** - apply a 1-2" layer of soil amendment. Incorporate to depth of 6-8".

Repeat 1-4x annually or as soil test results recommend.

**Trees & Shrubs** - Dig a hole 2/3 the depth of the roots and at least twice as wide. Mix two parts soil from dig site to one part soil amendment. Place tree/shrub. Apply amended soil around roots. pack amended soil. Water as needed.

For more information contact (863)667-2773 or  
Info@bsranchandfarm.com prior to use.

**Ingredients:**

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

**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. Nutrient data are for informational purposes only and do not constitute, in whole or in part, a guaranteed analysis.