lb/A

BROOKSIDE LABORATORIES, INC.

74155-3

SOIL AUDIT AND INVENTORY REPORT

Name Dovetail Bio Energy/Renergy City Marengo State OH

Independent Consultant Brookside Consultants of Ohio, Inc. Date 10/01/2015

GRO-02-01

Sample Location	DD8	1
Sample Identification		1of1
Lab Number		0470-1
Total Exchange Capacity (ME/100 g)		14.54
pH (H_2O 1:1)		a 7.6
Organic Matter (humus) %		3.12
Estimated Nitrogen Release	lb/A	81
ANIONS: SOLUBLE SULFUR*	ppm	9
PHOSPHORUS: MEHLICH III	lb/A P as P_2O_5	298
	ppm of P	65
BRAY II	lb/A P as P_2O_5	646
	ppm of P	141
OLSEN	lb/A P as P_2O_5	
	ppm of P	
EXCHANGEABLE CATIONS: CALCIUM*	lb/A	3888
	ppm	1944
MAGNESIUM*	lb/A	914
	ppm	457
POTASSIUM*	lb/A	282
	ppm	141
SODIUM*	lb/A	44
	ppm	22
BASE SATURATION PERCENT		
Calcium	%	66.85
Magnesium	%	26.19
Potassium	%	2.49
Sodium	%	0.66
Other Bases	%	3.80
Hydrogen	%	0.00
EXTRACTABLE MINORS		
Boron* (ppm)		0.86
Iron* (ppm)		120
Manganese* (ppm)		201
Copper* (ppm)		3.39
Zinc* (ppm)		6.01
Aluminum* (ppm)		597
OTHER TESTS: Soluble Salts (mmhos/cm)		
Chlorides (ppm)		

a - alkaline soil

* Mehlich III Extractable