lb/A

BROOKSIDE LABORATORIES, INC.

74155-5

SOIL AUDIT AND INVENTORY REPORT

Name Dovetail Bio Energy/Renergy City Marengo State OH

Independent Consultant Brookside Consultants of Ohio, Inc. Date 10/27/2015

Sample Location	GRQ-01-04	HO-22	GRQ-22			
Sample Identification		1OF2	2OF2			
Lab Number		0599-1	0600-1			
Total Exchange Capacity (ME/100 g)		15.07	19.62			
pH (H_2O 1:1)		7.5	7.5			
Organic Matter (humus) %		2.00	3.09			
Estimated Nitrogen Release	lb/A	60	81			
ANIONS: SOLUBLE SULFUR*	ppm	8	12			
PHOSPHORUS: MEHLICH III	lb/A P as P_2O_5	238	664			
	ppm of P	52	145			
PHOSPHORUS: BRAY II	lb/A P as P_2O_5	311	852			
	ppm of P	68	186			
PHOSPHORUS: OLSEN	lb/A P as P_2O_5					
	ppm of P					
EXCHANGEABLE CATIONS: CALCIUM*	lb/A	3652	5850			
	ppm	1826	2925			
MAGNESIUM*	lb/A	1168	872			
	ppm	584	436			
POTASSIUM*	lb/A	306	368			
	ppm	153	184			
SODIUM*	lb/A	44	56			
	ppm	22	28			
BASE SATURATION PERCENT						
Calcium	%	60.58	74.54			
Magnesium	%	32.29	18.52			
Potassium	%	2.60	2.40			
Sodium	%	0.63	0.62			
Other Bases	%	3.90	3.90			
Hydrogen	%	0.00	0.00			
EXTRACTABLE MINORS						
Boron* (ppm)		0.70	0.85			
Iron* (ppm)		122	114			
Manganese* (ppm)		103	150			
Copper* (ppm)		2.35	4.40			
Zinc* (ppm)		5.75	17.98			
Aluminum* (ppm)		642	463			
OTHER TESTS: Soluble Salts (mmhos/cm)						
Chlorides (ppm)						

a - alkaline soil

* Mehlich III Extractable