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

GRQ-01-05

Sample Location HO24			1	2			
Sample Identification			1of2	2of2			
Lab Number			0466-1	0467-1			
Total Exchange Capacity (ME/100 g)			9.93	12.24			
pH (H_2O 1:1)			5.4	6.9			
Organic Matter (humus) %			1.92	2.16			
Estimated Nitrogen Release		lb/A	58	63			
ANIONS	SOLUBLE SULFUR*	ppm	11	7			
	PHOSPHORUS MEHLICH III	lb/A P as P_2O_5	499	78			
		ppm of P	109	17			
	PHOSPHORUS BRAY II	lb/A P as P_2O_5	518	96			
		ppm of P	113	21			
	PHOSPHORUS OLSEN	lb/A P as P_2O_5					
		ppm of P					
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	1810	3108			
		ppm	905	1554			
	MAGNESIUM*	lb/A	268	804			
		ppm	134	402			
	POTASSIUM*	lb/A	134	206			
		ppm	67	103			
	SODIUM*	lb/A	84	54			
		ppm	42	27			
BASE SATURATION PERCENT							
	Calcium	%	45.57	63.48			
	Magnesium	%	11.25	27.37			
	Potassium	%	1.73	2.16			
	Sodium	%	1.84	0.96			
	Other Bases	%	6.60	4.50			
	Hydrogen	%	33.00	1.50			
EXTRACTABLE MINORS							
	Boron* (ppm)		0.37	0.51			
	Iron* (ppm)		154	116			
	Manganese* (ppm)		93	95			
	Copper* (ppm)		3.33	1.91			
	Zinc* (ppm)		9.52	2.53			
	Aluminum* (ppm)		718	684			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

* Mehlich III Extractable