lb/A

BROOKSIDE LABORATORIES, INC.

74155-2

SOIL AUDIT AND INVENTORY REPORT

Name Dovetail Bio Energy/Renergy City Marengo State OH

Independent Consultant Brookside Consultants of Ohio, Inc. Date 07/30/2015

		GRQ-11-02	GRQ-11-01			
Sample Location	WHITE/DAN	20A 1	9A 2			
Sample Identification		1 OF 2	2 OF 2			
Lab Number		0057-1	0058-1			
Total Exchange Capacity (ME/100 g)		16.60	118.09			
pH	Buffer (SMP/Sikora)	a NA	a NA			
	H_2O (1:1)	7.9	7.9			
Organic Matter (humus) %		1.73	10.97			
Estimated Nitrogen Release	lb/A	55	125			
ANIONS	SOLUBLE SULFUR* ppm	6	9			
PHOSPHORUS	MEHLICH III lb/A P as P_2O_5	50	< 5			
	ppm of P	11	< 1			
	BRAY II lb/A P as P_2O_5					
	ppm of P					
	OLSEN lb/A P as P_2O_5					
	ppm of P					
EXCHANGEABLE CATIONS	CALCIUM* lb/A	4398	45650			
	ppm	2199	22825			
	MAGNESIUM* lb/A	1270	880			
	ppm	635	440			
	POTASSIUM* lb/A	180	138			
	ppm	90	69			
	SODIUM* lb/A	36	54			
	ppm	18	27			
BASE SATURATION PERCENT						
Calcium %		66.23	96.64			
Magnesium %		31.88	3.10			
Potassium %		1.39	0.15			
Sodium %		0.47	0.10			
Other Bases %		NA	NA			
Hydrogen %		0.00	0.00			
EXTRACTABLE MINORS						
Boron* (ppm)		0.59	0.79			
Iron* (ppm)		90	21			
Manganese* (ppm)		90	10			
Copper* (ppm)		1.80	0.53			
Zinc* (ppm)		1.61	1.74			
Aluminum* (ppm)		628	14			
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

* Mehlich III Extractable