lb/A

BROOKSIDE LABORATORIES, INC.

74155-1

SOIL AUDIT AND INVENTORY REPORT

Name Dovetail Bio Energy/Renergy City Fairborn State OH

Independent Consultant Brookside Consultants of Ohio, Inc. Date 05/28/2015

Sample Location SUTTON GRQ-0001		OM40	OM40			
Sample Identification		1	2			
Lab Number		0573-1	0574-1			
Total Exchange Capacity (ME/100 g)		9.59	8.87			
pH	Buffer (SMP/Sikora)	6.7	6.8			
	H_2O (1:1)	5.2	5.3			
Organic Matter (humus) %		1.90	1.29			
Estimated Nitrogen Release	lb/A	58	46			
ANIONS	SOLUBLE SULFUR* ppm	9	7			
PHOSPHORUS	MEHLICH III lb/A P as P_2O_5	27	27			
	ppm of P	6	6			
	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	1888	2214			
	ppm	944	1107			
	MAGNESIUM* lb/A	386	318			
	ppm	193	159			
	POTASSIUM* lb/A	224	190			
	ppm	112	95			
	SODIUM* lb/A	36	40			
	ppm	18	20			
BASE SATURATION PERCENT						
Calcium %		49.22	62.40			
Magnesium %		16.77	14.94			
Potassium %		2.99	2.75			
Sodium %		0.82	0.98			
Other Bases %		NA	NA			
Hydrogen %		30.18	18.90			
EXTRACTABLE MINORS						
Boron* (ppm)		0.23	0.24			
Iron* (ppm)		128	139			
Manganese* (ppm)		59	80			
Copper* (ppm)		1.21	1.21			
Zinc* (ppm)		0.65	0.40			
Aluminum* (ppm)		913	975			
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

* Mehlich III Extractable