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-07-02

Sample Location D045		1	2	3		
Sample Identification		1of3	2of3	3of3		
Lab Number		0461-1	0462-1	0463-1		
Total Exchange Capacity (ME/100 g)		12.31	10.59	9.61		
pH (H_2O 1:1)		a 7.5	6.1	5.0		
Organic Matter (humus) %		1.91	1.98	1.73		
Estimated Nitrogen Release	lb/A	58	60	55		
ANIONS: SOLUBLE SULFUR*	ppm	9	8	10		
PHOSPHORUS: MEHLICH III	lb/A P as P_2O_5	41	37	41		
	ppm of P	9	8	9		
PHOSPHORUS: BRAY II	lb/A P as P_2O_5	73	37	32		
	ppm of P	16	8	7		
PHOSPHORUS: OLSEN	lb/A P as P_2O_5					
	ppm of P					
EXCHANGEABLE CATIONS: CALCIUM*	lb/A	3366	2478	1410		
	ppm	1683	1239	705		
MAGNESIUM*	lb/A	752	490	190		
	ppm	376	245	95		
POTASSIUM*	lb/A	142	226	120		
	ppm	71	113	60		
SODIUM*	lb/A	44	40	48		
	ppm	22	20	24		
BASE SATURATION PERCENT						
Calcium	%	68.36	58.50	36.68		
Magnesium	%	25.45	19.28	8.24		
Potassium	%	1.48	2.74	1.60		
Sodium	%	0.78	0.82	1.09		
Other Bases	%	3.90	5.20	7.40		
Hydrogen	%	0.00	13.50	45.00		
EXTRACTABLE MINORS						
Boron* (ppm)		0.67	0.60	< 0.20		
Iron* (ppm)		113	118	124		
Manganese* (ppm)		214	137	83		
Copper* (ppm)		2.08	2.10	1.53		
Zinc* (ppm)		1.96	1.91	0.88		
Aluminum* (ppm)		562	678	841		
OTHER TESTS: Soluble Salts (mmhos/cm)						
Chlorides (ppm)						

a - alkaline soil

* Mehlich III Extractable