lb/A

BROOKSIDE LABORATORIES, INC.

58251-51

SOIL AUDIT AND INVENTORY REPORT

Name: Renergy, Inc. City: Delaware State: OH

Independent Consultant: Brookside Consultants of Ohio, Inc. Date: 09/08/2020

CWR-01-05

Sample Location: FIELD 6	POINT 1	POINT 2	POINT 3	POINT 4	POINT 5
Sample Identification					
Lab Number	0675-1	0676-1	0677-1	0678-1	0679-1
Total Exchange Capacity (ME/100 g)	11.13	12.17	12.19	20.54	13.18
pH (H_2O 1:1)	7.6	7.7	7.6	8.0	7.2
Organic Matter (360°C LOI) %	2.60	2.57	2.83	3.46	3.30
Estimated Nitrogen Release lb/A	72	71	77	85	83
SOLUBLE SULFUR* ppm	5	4	5	8	5
MEHLICH III lb/A P as P_2O_5 / ppm of P					
BRAY II lb/A P as P_2O_5 / ppm of P					
OLSEN lb/A P as P_2O_5 / ppm of P					
CALCIUM* lb/A / ppm	2826 / 1413	3080 / 1540	3064 / 1532	6142 / 3071	3382 / 1691
MAGNESIUM* lb/A / ppm	804 / 402	880 / 440	882 / 441	944 / 472	944 / 472
POTASSIUM* lb/A / ppm	186 / 93	238 / 119	266 / 133	398 / 199	138 / 69
SODIUM* lb/A / ppm	26 / 13	20 / 10	22 / 11	20 / 10	28 / 14
BASE SATURATION PERCENT					
Calcium %	63.48	63.27	62.84	74.76	64.15
Magnesium %	30.10	30.13	30.15	19.15	29.84
Potassium %	2.14	2.51	2.80	2.48	1.34
Sodium %	0.51	0.36	0.39	0.21	0.46
Other Bases %	3.80	3.70	3.80	3.40	4.20
Hydrogen %	0.00	0.00	0.00	0.00	0.00
EXTRACTABLE MINORS					
Boron* (ppm)	0.77	0.78	0.78	0.93	0.47
Iron* (ppm)	156	160	160	90	99
Manganese* (ppm)	99	104	102	108	90
Copper* (ppm)	2.92	2.82	3.18	2.68	2.15
Zinc* (ppm)	2.18	2.41	2.41	7.59	1.37
Aluminum* (ppm)	504	518	523	457	582
Soluble Salts (mmhos/cm)					
Chlorides (ppm)					
Bray I P (ppm)	17	21	22	13	5

a - alkaline soil

* Mehlich III Extractable

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Independent Consultant: Brookside Consultants of Ohio, Inc. Date: 09/08/2020

CHR-01-05

Sample Location	FIELD 6	POINT 6				
Sample Identification						
Lab Number		0680-1				
Total Exchange Capacity (ME/100 g)		13.89				
pH (H_2O 1:1)		6.9				
Organic Matter (360°C LOI) %		3.28				
Estimated Nitrogen Release	lb/A	83				
SOLUBLE SULFUR*	ppm	4				
MEHLICH III	lb/A P as P_2O_5 / ppm of P					
BRAY II	lb/A P as P_2O_5 / ppm of P					
OLSEN	lb/A P as P_2O_5 / ppm of P					
CALCIUM*	lb/A / ppm	3658 / 1829				
MAGNESIUM*	lb/A / ppm	884 / 442				
POTASSIUM*	lb/A / ppm	132 / 66				
SODIUM*	lb/A / ppm	26 / 13				
BASE SATURATION PERCENT						
Calcium	%	65.84				
Magnesium	%	26.52				
Potassium	%	1.22				
Sodium	%	0.41				
Other Bases	%	4.50				
Hydrogen	%	1.50				
EXTRACTABLE MINORS						
Boron* (ppm)		0.50				
Iron* (ppm)		97				
Manganese* (ppm)		88				
Copper* (ppm)		2.04				
Zinc* (ppm)		1.28				
Aluminum* (ppm)		552				
Soluble Salts (mmhos/cm)						
Chlorides (ppm)						
Bray I P (ppm)		5				

* Mehlich III Extractable