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

Sample Location FIELD 1	POINT 1	POINT 2	POINT 3	POINT 4	POINT 5
Sample Identification					
Lab Number	0664-1	0665-1	0666-1	0667-1	0668-1
Total Exchange Capacity (ME/100 g)	12.47	13.60	20.79	9.93	15.19
pH (H_2O 1:1)	7.5	7.5	5.6	7.4	7.1
Organic Matter (360°C LOI) %	2.87	3.09	3.50	2.48	4.00
Estimated Nitrogen Release lb/A	77	81	85	70	90
SOLUBLE SULFUR* ppm	5	10	8	5	11
* 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	3148 / 1574	3306 / 1653	4084 / 2042	2562 / 1281	3914 / 1957
MAGNESIUM* lb/A / ppm	928 / 464	946 / 473	750 / 375	704 / 352	1008 / 504
POTASSIUM* lb/A / ppm	128 / 64	618 / 309	380 / 190	116 / 58	378 / 189
SODIUM* lb/A / ppm	36 / 18	32 / 16	30 / 15	22 / 11	32 / 16
BASE SATURATION PERCENT					
Calcium %	63.11	60.77	49.11	64.50	64.42
Magnesium %	31.01	28.98	15.03	29.54	27.65
Potassium %	1.32	5.83	2.34	1.50	3.19
Sodium %	0.63	0.51	0.31	0.48	0.46
Other Bases %	3.90	3.90	6.20	4.00	4.30
Hydrogen %	0.00	0.00	27.00	0.00	0.00
EXTRACTABLE MINORS					
Boron* (ppm)	0.63	0.68	0.67	0.43	0.68
Iron* (ppm)	153	246	175	110	224
Manganese* (ppm)	82	56	42	82	59
Copper* (ppm)	1.83	2.46	2.55	1.95	2.16
Zinc* (ppm)	3.77	15.82	4.23	2.51	10.48
Aluminum* (ppm)	531	420	730	483	502
* Soluble Salts (mmhos/cm)					
* Chlorides (ppm)					
* Bray I P (ppm)	26	99	43	20	132

a - alkaline soil

* Mehlich III Extractable

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

Sample Location	FIELD 1	POINT 6				
Sample Identification						
Lab Number		0669-1				
Total Exchange Capacity (ME/100 g)		13.08				
pH (H$_2$O 1:1)		7.6				
Organic Matter (360°C LOI) %		2.84				
Estimated Nitrogen Release	lb/A	77				
SOLUBLE SULFUR*	ppm	6				
* 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	3360 / 1680				
MAGNESIUM*	lb/A / ppm	864 / 432				
POTASSIUM*	lb/A / ppm	402 / 201				
SODIUM*	lb/A / ppm	32 / 16				
BASE SATURATION PERCENT						
Calcium	%	64.22				
Magnesium	%	27.52				
Potassium	%	3.94				
Sodium	%	0.53				
Other Bases	%	3.80				
Hydrogen	%	0.00				
EXTRACTABLE MINORS						
Boron* (ppm)		0.84				
Iron* (ppm)		209				
Manganese* (ppm)		59				
Copper* (ppm)		2.73				
Zinc* (ppm)		7.84				
Aluminum* (ppm)		489				
Soluble Salts (mmhos/cm)						
Chlorides (ppm)						
Bray I P (ppm)		62				

a - alkaline soil

* Mehlich III Extractable