lb/A

BROOKSIDE LABORATORIES, INC.

58251-46

SOIL AUDIT AND INVENTORY REPORT

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

Independent Consultant: Brookside Consultants of Ohio, Inc. Date: 07/22/2020

Sample Location MOQ-11-06	POINT 1	POINT 2	POINT 3	POINT 4	POINT 5
Sample Identification					
Lab Number	1364-1	1365-1	1366-1	1367-1	1368-1
Total Exchange Capacity (ME/ 100 g)	13.43	10.84	11.19	13.03	16.73
pH (H_2O 1:1)	6.9	6.0	6.5	7.3	6.1
Organic Matter @360°C LOI %	2.44	2.99	2.67	2.90	4.70
Estimated Nitrogen Release lb/A	69	80	73	78	97
SOLUBLE SULFUR* ppm	9	7	7	34	9
* 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	3262 / 1631	2616 / 1308	2922 / 1461	3490 / 1745	4154 / 2077
MAGNESIUM* lb/A / ppm	994 / 497	420 / 210	538 / 269	822 / 411	662 / 331
POTASSIUM* lb/A / ppm	194 / 97	214 / 107	154 / 77	214 / 107	306 / 153
SODIUM* lb/A / ppm	36 / 18	30 / 15	28 / 14	32 / 16	32 / 16
BASE SATURATION PERCENT					
Calcium %	60.72	60.33	65.28	66.96	62.07
Magnesium %	30.84	16.14	20.03	26.29	16.49
Potassium %	1.85	2.53	1.76	2.11	2.34
Sodium %	0.58	0.60	0.54	0.53	0.42
Other Bases %	4.50	5.40	4.90	4.10	5.20
Hydrogen %	1.50	15.00	7.50	0.00	13.50
EXTRACTABLE MINORS					
Boron* (ppm)	0.55	0.38	0.63	0.62	0.60
Iron* (ppm)	121	130	180	174	175
Manganese* (ppm)	55	87	61	75	36
Copper* (ppm)	1.45	1.81	2.31	3.00	3.36
Zinc* (ppm)	0.73	1.42	1.89	2.22	2.50
Aluminum* (ppm)	745	608	621	612	666
Soluble Salts (mmhos/cm)					
Chloride (ppm)					
Iron P (ppm)	6	14	34	19	24

* Mehlich III Extractable

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Sample Location	MOQ-11-06	POINT 6	POINT 7			
Sample Identification						
Lab Number		1369-1	1370-1			
Total Exchange Capacity (ME/100 g)		11.40	19.76			
pH (H2O 1:1)		6.5	6.5			
Organic Matter (360°C LOI) %		3.06	4.41			
Estimated Nitrogen Release	lb/A	81	94			
SOLUBLE SULFUR*	ppm	7	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	2866	5398			
	ppm	1433	2699			
MAGNESIUM*	lb/A	622	848			
	ppm	311	424			
POTASSIUM*	lb/A	128	154			
	ppm	64	77			
SODIUM*	lb/A	32	38			
	ppm	16	19			
BASE SATURATION PERCENT						
Calcium	%	62.85	68.29			
Magnesium	%	22.73	17.88			
Potassium	%	1.44	1.00			
Sodium	%	0.61	0.42			
Other Bases	%	4.90	4.90			
Hydrogen	%	7.50	7.50			
EXTRACTABLE MINORS						
Boron* (ppm)		0.53	0.82			
Iron* (ppm)		194	216			
Manganese* (ppm)		27	26			
Copper* (ppm)		1.67	3.54			
Zinc* (ppm)		0.96	2.20			
Aluminum* (ppm)		571	763			
Soluble Salts (mmhos/cm)						
Chloride (ppm)						
Iron II F (ppm)		9	13			

* Mehlich III Extractable

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

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Sample Location: MOQ-11-06	POINT 8	POINT 9			
Sample Identification					
Lab Number	1388-1	1389-1			
Total Exchange Capacity (ME/100 g)	11.40	10.66			
pH (H_2O 1:1)	5.7	5.6			
Organic Matter (360°C LOI) %	3.09	2.44			
Estimated Nitrogen Release lb/A	81	69			
SOLUBLE SULFUR* ppm	8	8			
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	2350 / 1175	2080 / 1040			
MAGNESIUM* lb/A / ppm	422 / 211	404 / 202			
POTASSIUM* lb/A / ppm	224 / 112	128 / 64			
SODIUM* lb/A / ppm	26 / 13	34 / 17			
BASE SATURATION PERCENT					
Calcium %	51.54	48.78			
Magnesium %	15.42	15.79			
Potassium %	2.52	1.54			
Sodium %	0.50	0.69			
Other Bases %	6.00	6.20			
Hydrogen %	24.00	27.00			
EXTRACTABLE MINORS					
Boron* (ppm)	0.58	0.38			
Iron* (ppm)	216	152			
Manganese* (ppm)	71	51			
Copper* (ppm)	2.21	1.19			
Zinc* (ppm)	2.50	0.88			
Aluminum* (ppm)	681	762			
Soluble Salts (mmhos/cm)					
Chloride (ppm)					
Bray I P (ppm)	31	10			

* Mehlich III Extractable