AgPhD SOILS

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JOBS | GETTING STARTED | FARMS & FIELDS | MAP | MY ACCOUNT | ORDER SUPPLIES | ORDER TESTS

FARMS & FIELDS | JOBS

Season: 2018

Farm: Renergy Dovetail

Field: GRQ-01-11

Job: 34136

Soil Sample Job Details – 34136

Status:	Order Test
Area:	57 acres
Grid Size:	5 acres
Samples:	8
Assignee:	Logan Randles
Record Date:	03/07/2018
Completed:	No

ED_014244_00000295-00001

AgPhD SOILS

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Assignee: Logan Randles

Record Date: 03/07/2018

Completed: No

☐ Show Imagery Layers

Mouseover a sample below to see it on the map

Select an attribute...

#	Sample ID	Coordinates
1	733314-1	39.8293, -83.9691
2	733314-2	39.8293, -83.9673
3	733314-3	39.8278, -83.9675
4	733314-4	39.8278, -83.9690
5	733314-5	39.8259, -83.9692
6	733314-6	39.8257, -83.9677
7	733314-7	39.8241, -83.9678
8	733314-8	39.8241, -83.9695

+ ADD A JOB

ED_014244_00000295-00002

lb/A

BROOKSIDE LABORATORIES, INC. 74155-22

SOIL AUDIT AND INVENTORY REPORT

Name Dovetail Bio Energy City Fairborn State OH

Independent Consultant Brookside Consultants of Ohio, Inc. Date 03/13/2018

Sample Location	GRQ-01-11	733314-1	733314-2	733314-3	733314-4	733314-5
Sample Identification						
Lab Number		0116-1	0117-1	0118-1	0119-1	0120-1
Total Exchange Capacity (ME/100 g)		15.08	10.43	15.47	9.93	15.20
pH (H_2O 1:1)		5.3	5.7	5.3	5.4	5.0
Organic Matter (360°C LOI) %		2.58	2.45	2.54	2.25	2.40
Estimated Nitrogen Release	lb/A	72	69	71	65	68
ANIONS: SOLUBLE SULFUR*	ppm	14	8	10	10	14
PHOSPHORUS: MEHLICH III	lb/A P as P_2O_5	472	366	202	398	380
	ppm of P	103	80	44	87	83
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	2558	2234	2602	1832	2004
	ppm	1279	1117	1301	916	1002
MAGNESIUM*	lb/A	428	306	454	254	426
	ppm	214	153	227	127	213
POTASSIUM*	lb/A	246	264	232	176	262
	ppm	123	132	116	88	131
SODIUM*	lb/A	60	46	70	62	52
	ppm	30	23	35	31	26
BASE SATURATION PERCENT						
Calcium	%	42.41	53.55	42.05	46.12	32.96
Magnesium	%	11.83	12.22	12.23	10.66	11.68
Potassium	%	2.09	3.25	1.92	2.27	2.21
Sodium	%	0.86	0.96	0.98	1.36	0.74
Other Bases	%	6.80	6.00	6.80	6.60	7.40
Hydrogen	%	36.00	24.00	36.00	33.00	45.00
EXTRACTABLE MINORS						
Boron* (ppm)		0.34	0.30	0.28	0.27	0.31
Iron* (ppm)		206	159	174	176	209
Manganese* (ppm)		91	82	98	116	88
Copper* (ppm)		2.45	1.94	2.17	2.14	2.49
Zinc* (ppm)		4.14	4.78	4.17	3.64	3.55
Aluminum* (ppm)		968	748	791	844	957
OTHER TESTS: Soluble Salts (mmhos/cm)						
Chlorides (ppm)						
Bray I P (ppm)		81	69	32	75	64

* Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC. 74155-22

SOIL AUDIT AND INVENTORY REPORT

Name Dovetail Bio Energy City Fairborn State OH

Independent Consultant Brookside Consultants of Ohio, Inc. Date 03/13/2018

Sample Location		GRQ-01-11	733314-6	733314-7	733314-8		
Sample Identification							
Lab Number			0121-1	0122-1	0123-1		
Total Exchange Capacity (ME/100 g)			18.29	13.85	13.19		
pH (H_2O 1:1)			6.4	7.0	6.1		
Organic Matter (360°C LOI) %			3.83	3.11	2.37		
Estimated Nitrogen Release		lb/A	88	81	67		
ANIONS	SOLUBLE SULFUR*	ppm	9	8	9		
ANIONS – PHOSPHORUS	MEHLICH III	lb/A P as P_2O_5	353	426	485		
		ppm of P	77	93	106		
	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	4028	3424	2874		
		ppm	2014	1712	1437		
	MAGNESIUM*	lb/A	1198	1018	756		
		ppm	599	509	378		
	POTASSIUM*	lb/A	406	276	224		
		ppm	203	138	112		
	SODIUM*	lb/A	68	38	46		
		ppm	34	19	23		
BASE SATURATION PERCENT							
	Calcium	%	55.06	61.81	54.47		
	Magnesium	%	27.29	30.63	23.88		
	Potassium	%	2.85	2.55	2.18		
	Sodium	%	0.81	0.60	0.76		
	Other Bases	%	5.00	4.40	5.20		
	Hydrogen	%	9.00	0.00	13.50		
EXTRACTABLE MINORS							
	Boron* (ppm)		0.69	0.77	0.54		
	Iron* (ppm)		184	135	145		
	Manganese* (ppm)		85	184	138		
	Copper* (ppm)		3.14	3.08	2.59		
	Zinc* (ppm)		4.67	6.08	4.36		
	Aluminum* (ppm)		791	642	716		
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	Bray I P (ppm)		64	70	98		

* Mehlich III Extractable