Report on Soil Test

Auburn University Soil Testing Laboratory

Auburn University, AL 36849-5411

DSM Design Group, LLC

P O Box 690

Jasper, AL 35502

County:Walker

District:1

LAB No.	Test Date	Sample Designation	Crop	Soil Group*	pH**	Phosphorus P***	Potassium K***	Magnesium Mg***	Calcium Ca***	LIME-STONE	N	P_2O_5	K_2O
						SOIL TEST RESULTS				RECOMMENDATIONS			
						Pounds/Acre				Tons/Acre	Pounds/Acre		
11318	02/26/13	TS1 See Comment 1 See Comment 2	Revegetation	4	4.4	M 46	L 65	L 0	M 200	2.5	60	40	70
11319	02/26/13	TS2 See Comment 1 See Comment 2	Revegetation	4	5.0	H 95	VL 35	L 0	M 194	1.5	60	0	80
11320	02/26/13	TS3 See Comment 2 See Comment 3	Revegetation	4	4.4	M 53	L 59	H 92	L 126	2.5	60	40	70
11321	02/26/13	TS4 See Comment 1 See Comment 2	Revegetation	4	4.5	M 44	L 75	L 42	L 65	3.0	60	40	60
11322	02/26/13	TS5 See Comment 1 See Comment 2	Revegetation	4	4.2	VL 0	VL 33	L 0	L 8	2.5	60	100	80
11323	02/26/13	TS6 See Comment 1 See Comment 2	Revegetation	4	4.6	VL 0	VL 36	L 0	L 30	1.5	60	100	80
11324	02/26/13	TS7 See Comment 1 See Comment 2	Revegetation	4	4.6	M 57	VL 6	L 0	L 0	1.0	60	40	100

* 1. Sandy soil (CEC ‹ 4.6 $cmol_c kg^{-1}$)

* 2. Loams and Light clays (CEC = 4.6-9.0 $cmol_c kg^{-1}$)

* 3. Clays and soils high in organic matter (CEC > 9.0 $cmol_c kg^{-1}$)

* 4. Clays of the Blackbelt (CEC > 9.0 $cmol_c kg^{-1}$)

** 7.4 or higher - Alkaline - - - - - - - - - - - - - - 6.6-7.3 - Neutral - - - - - - - - - - - - - 6.5 or lower - Acid - - - - - - - - - - - - -5.5 or lower - Strong Acid

*** Extractable nutrients in pounds per acre

If soil group = 1, 2 or 3, Method of Analysis = Mehlich-1. If soil group = 4, Method of Analysis = Miss/Lancaster.

Approved by: Joseph Huluka

Print Date: May 3, 2013

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LAB No.	Test Date	Sample Designation	Crop	Soil Group*	pH**	Phosphorus P***	Potassium K***	Magnesium Mg***	Calcium Ca***	LIME-STONE	N	P_2O_5	K_2O
						SOIL TEST RESULTS				RECOMMENDATIONS			
						Pounds/Acre				Tons/Acre	Pounds/Acre		
11325	02/26/13	TS8 See Comment 1 See Comment 2	Revegetation	4	4.1	H 76	VL 35	L 0	L 35	2.5	60	0	80
11326	02/26/13	SP1 See Comment 2 See Comment 3	Revegetation	4	4.3	VL 0	L 99	H 275	L 51	2.5	60	100	50
11327	02/26/13	SP2 See Comment 2 See Comment 3	Revegetation	4	4.5	L 25	L 97	H 322	L 77	1.0	60	70	50

Comment No.1: Both soil acidity and low magnesium can be corrected by applying dolomitic lime at the recommended rate.

Comment No.2: For perennial winter grass pasture, apply N, P, and K as recommended by September 1. Repeat N application in February. If grass is to be cut for hay, in February apply up to 40 pounds N and 35 pounds K2O per ton of anticipated hay yield.

Comment No.3: Soil acidity (low pH) can be corrected with either dolomitic or calcitic lime.

The number of samples processed in this report is: 10

For further information call your county agent: (205) 221-3392

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Approved by: Joseph Huluka

Print Date: May 3, 2013

Mine Analysis Report
Auburn University
Soil Testing Lab

DSM Design Group,LLC
PO Box 690
Jasper Al 35502
County: Walker

ALFA Agricultural Service & Research Building
961 S. Donahue Dr.
Auburn University, Auburn, AL 36849-5411
Phone (334)844-3958
Soillab@auburn.edu

Special Analysis #: 13.G0022-G0031 Routine Analysis #: 11318-11327 DATE: 5-3-13

						Soil Texture				
		OM	NO_3-N	Neutralizing Potential		%	%	%		H_2O avail.
Lab I.D.	Sample I.D.	%	ppm	Tons $CaCO_3$/1000 Tons material	max pot.acid.	Sand	Silt	Clay	Textural Class	cm^3/cm^3
13.G0022	TS-1	2.5	3.9	<1.0	1.13	36.88	40.63	22.50	Loam	0.14
13.G0023	TS-2	2.2	3.1	<1.0	0.92	38.75	37.50	23.75	Loam	0.14
13.G0024	TS-3	0.7	2.0	<1.0	0.94	38.75	28.75	32.50	Clay Loam	0.13
13.G0025	TS-4	2.6	1.7	<1.0	1.09	38.75	31.25	30.00	Clay Loam	0.13
13.G0026	TS-5	1.1	1.6	<1.0	0.74	46.25	28.75	25.00	Loam	0.12
13.G0027	TS-6	1.5	2.2	<1.0	0.91	51.25	31.25	17.50	Loam	0.12
13.G0028	TS-7	1.2	1.7	<1.0	0.45	78.75	5.00	16.25	Sandy Loam	0.08
13.G0029	TS-8	2.0	2.6	<1.0	0.59	30.63	41.88	27.50	Clay Loam	0.15
13.G0030	SP-1	0.4	1.8	<1.0	0.55	71.25	10.00	18.75	Sandy Loam	0.09
13.G0031	SP-2	1.2	1.6	<1.0	0.84	41.25	38.75	20.00	Loam	0.13

Special Analysis #: 13.G0022-G0031 Routine Analysis #: 11318-11327 DATE: 5-3-13

MULTIPLE SULFUR ANALYSES

		%	%	%	%	%					
Lab I.D.	Sample I.D.	1rst	2nd	3rd	4rth	Ave					
13.G0022	TS-1	0.0456	0.0361	0.0344	0.0280	0.0360					
13.G0023	TS-2	0.0304	0.0280	0.0316	0.0283	0.0296					
13.G0024	TS-3	0.0252	0.0414	0.0293	0.0242	0.0300					
13.G0025	TS-4	0.0276	0.0261	0.0468	0.0388	0.0348					
13.G0026	TS-5	0.0267	0.0227	0.0226	0.0220	0.0235					
13.G0027	TS-6	0.0267	0.0188	0.0407	0.0305	0.0292					
13.G0028	TS-7	0.0148	0.0165	0.0125	0.0133	0.0143					
13.G0029	TS-8	0.0174	0.0199	0.0190	0.0194	0.0189					
13.G0030	SP-1	0.0151	0.0169	0.0182	0.0197	0.0175					
13.G0031	SP-2	0.0334	0.0288	0.0241	0.0213	0.0269					