

Soil Report

Job Name **STB Hills CC** Date **1/1/2007**

Company **Logan Labs 888-494-7645** Submitted By _____

Sample Location		Ideal					
Sample ID		1	2	3	4	5	
Lab Number							
Sample Depth in inches		6	6	6	6	6	
Total Exchange Capacity (M. E.)		12.00	2.74	8.89	21.03	12.80	
pH of Soil Sample		6.30	5.60	6.50	7.20	6.30	
Organic Matter, Percent		3-5	0.80	3.54	1.40	1.20	
ANIONS	SULFUR: p.p.m.	25-50	8	55	18	12	
	Mehlich III Phosphorous: as (P ₂ O ₅) lbs / acre	250-500	232	284	250	242	
EXCHANGEABLE CATIONS	CALCIUM: lbs / acre	Desired Value	3264	745	2418	5720	3482
		Value Found	3264	459	2308	4380	1777
		Deficit	-0	-286	-110	-1340	-1705
	MAGNESIUM: lbs / acre	Desired Value	346	200	256	606	369
		Value Found	348	138	355	2038	1369
		Deficit	-0	-62			
	POTASSIUM: lbs / acre	Desired Value	468	163	277	552	396
		Value Found	468	33	279	248	255
		Deficit	-0	-130		-304	-141
	SODIUM: lbs / acre	20-50	30	84	176	153	
	BASE SATURATION %	Calcium (60 to 70%)	68.0	41.88	64.90	53.07	34.71
		Magnesium (10 to 20%)	12.0	20.99	16.64	40.38	44.55
Potassium (2 to 5%)		5.00	1.54	4.02	1.51	2.55	
Sodium (.5 to 3%)		3.00	2.38	2.05	1.82	2.60	
Other Bases (Variable)		2.00	6.20	4.90	4.20	5.10	
Exchangable Hydrogen (10 to 15%)		10.00	27.00	7.50	0.00	10.50	
TRACE ELEMENTS	Boron (p.p.m.)	1.20	0.02	0.48	0.7	0.66	
	Iron (p.p.m.)	150	175	319	740	540	
	Manganese (p.p.m.)	40	2	140	145	77	
	Copper (p.p.m.)	5	2.4	2.08	2.7	2.6	
	Zinc (p.p.m.)	10	1.8	7.44	5.5	3.5	
	Aluminum (p.p.m.)	<1400	200	419	800	900	
OTHER							

Saturated Paste Report

Job Name **STB Hills CC**

Date **1/1/2007**

Company **Logan Labs 888-494-7645**

Submitted By _____

Sample Location		Ideal					
Sample ID		1	2	3	4	5	
Lab Number							
Water Used		DI	DI	DI	DI	Irrigation	
pH		6.3	6.5	6.5	7.1	7.1	
Soluble Salts ppm		<960	134	150	121	114	
Chloride (Cl) ppm		<50	8	4	8	10	
Bicarbonate (HCO3) ppm		<50	40	176	73	366	
ANIONS	SULFUR	ppm	5-10	10.72	36.67	11.71	9.59
	PHOSPHORUS	ppm	1-3	0.61	< 0.1	0.38	0.46
SOLUBLE CATIONS	CALCIUM	ppm	40-60	42.59	25.54	14.34	13.32
		meq/l	0	2.13	1.28	0.72	0.67
	MAGNESIUM	ppm	8-12	2.06	5.74	2.11	1.95
		meq/l	0	0.17	0.48	0.18	0.16
	POTASSIUM:	ppm	15-20	25.52	10.86	24.51	13.06
		meq/l	0	0.66	0.28	0.64	0.34
	SODIUM	ppm	<20	4.56	17.39	5.17	24.82
		meq/l	0	0.20	0.76	0.22	1.08
PERCENT	Calcium		55-60	67.34	45.71	40.87	29.64
	Magnesium		18-20	5.43	17.12	10.02	7.23
	Potassium		9-12	20.96	10.10	36.29	15.10
	Sodium		2-8	6.27	27.07	12.81	48.03
TRACE ELEMENTS	Boron (p.p.m.)		0.1	0.02	0.03	< 0.02	< 0.02
	Iron (p.p.m.)		0.3	1.35	3.12	1.25	2.55
	Manganese (p.p.m.)		0.1	0.03	0.15	0.03	< 0.02
	Copper (p.p.m.)		0.08	0.07	< 0.02	0.08	< 0.02
	Zinc (p.p.m.)		0.08	0.08	< 0.02	0.11	0.06
	Aluminum (p.p.m.)			1.86	7.27	1.47	2.94
OTHER							