

74738-3

Independent Consultant Soil and Water Consulting Date 10/17/2016

Sample Location GREEN					4	7	9	11	15
Sample Identification									
Lab Number					0653-1	0654-1	0655-1	0656-1	0657-1
Total Exchange Capacity (ME/100 g)					9.44	10.59	8.41	8.94	6.82
pH (H ₂ O 1:1)					6.8	6.7	6.8	6.7	6.8
Organic Matter (humus) %					3.82	4.23	3.82	3.98	2.41
Estimated Nitrogen Release lb/A					88	92	88	90	68
ANIONS	SOLUBLE SULFUR* ppm				17	17	16	15	15
	PHOSPHORUS	MEHLICH III	lb/A	P as P ₂ O ₅	1342	1095	1159	1347	1150
				ppm of P	293	239	253	294	251
		BRAY II	lb/A	P as P ₂ O ₅	1608	1566	1493	1562	1365
				ppm of P	351	342	326	341	298
OLSEN	lb/A	P as P ₂ O ₅							
		ppm of P							
EXCHANGEABLE CATIONS	CALCIUM*		lb/A		2806	3140	2474	2598	2040
			ppm		1403	1570	1237	1299	1020
	MAGNESIUM*		lb/A		284	292	258	256	186
			ppm		142	146	129	128	93
	POTASSIUM*		lb/A		294	300	286	322	230
			ppm		147	150	143	161	115
	SODIUM*		lb/A		68	74	68	66	62
			ppm		34	37	34	33	31
BASE SATURATION PERCENT									
	Calcium	%			74.31	74.13	73.54	72.65	74.78
	Magnesium	%			12.54	11.49	12.78	11.93	11.36
	Potassium	%			3.99	3.63	4.36	4.62	4.32
	Sodium	%			1.57	1.52	1.76	1.60	1.98
	Other Bases	%			4.60	4.70	4.60	4.70	4.60
	Hydrogen	%			3.00	4.50	3.00	4.50	3.00
EXTRACTABLE MINORS									
	Boron* (ppm)				0.57	0.65	0.62	0.64	0.49
	Iron* (ppm)				354	335	361	377	378
	Manganese* (ppm)				10	9	8	10	11
	Copper* (ppm)				2.30	2.43	3.24	2.05	1.97
	Zinc* (ppm)				28.08	31.36	18.39	13.49	30.98
	Aluminum* (ppm)				477	466	470	475	314
OTHER TESTS	Soluble Salts (mmhos/cm)								
	Chlorides (ppm)								

* Mehlich III Extractable