

Sample Location			1	2	3	4	5
Sample ID							
Lab Number			2	3	4	5	6
Sample Depth in inches			6	6	6	6	6
Total Exchange Capacity (M. E.)			20.24	19.45	25.75	30.11	20.97
pH of Soil Sample			6.6	6.6	6.5	6.4	6.6
Organic Matter, Percent			41.76	42.71	45.58	46.43	44.81
ANIONS	SULFUR:	p.p.m.	215	192	317	467	148
	Mehlich III Phosphorous:	as (P ₂ O ₅) lbs / acre	670	1015	1358	1075	827
EXCHANGEABLE CATIONS	CALCIUM: lbs / acre	Desired Value	5506	5289	7003	8191	5705
		Value Found	5094	5028	6294	6894	5286
		Deficit	-412	-261	-709	-1297	-419
	MAGNESIUM: lbs / acre	Desired Value	583	560	741	867	604
		Value Found	934	885	1171	1393	1035
		Deficit					
	POTASSIUM: lbs / acre	Desired Value	631	606	803	939	654
		Value Found	1000	737	1371	2010	785
		Deficit					
	SODIUM:	lbs / acre	68	66	84	130	80
BASE SATURATION %	Calcium (60 to 70%)		62.91	64.63	61.11	57.23	63.01
	Magnesium (10 to 20%)		19.22	18.96	18.95	19.27	20.56
	Potassium (2 to 5%)		6.33	4.86	6.83	8.56	4.80
	Sodium (.5 to 3%)		0.73	0.74	0.71	0.94	0.83
	Other Bases (Variable)		4.80	4.80	4.90	5.00	4.80
	Exchangable Hydrogen (10 to 15%)		6.00	6.00	7.50	9.00	6.00
TRACE ELEMENTS	Boron (p.p.m.)		1.24	1.17	1.29	1.59	1.27
	Iron (p.p.m.)		242	240	242	214	249
	Manganese (p.p.m.)		58	58	65	81	61
	Copper (p.p.m.)		1.35	1.24	1.88	1.46	1.43
	Zinc (p.p.m.)		18.36	19.06	24.2	25.87	21.39
	Aluminum (p.p.m.)		225	168	139	129	184
OTHER	NH4-N (p.p.m.)		0.9	7.9	0.2	9.7	3.1
	N03-N (p.p.m.)		15.5	35	42.8	171.4	30.4