

# A & L GREAT LAKES LABORATORIES, INC.

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## Northern Michigan 2009 SOIL TEST DATA SUMMARY

Soil Test	Soil Test Result				Percent of Samples by Soil Test Rating				
	Average	Minimum	Maximum	Std. Dev.	Very Low	Low	Medium	High	Very High
Organic Matter, %	3.5	0.2	388.0	6.5	1.6	53.6	38.9	2.1	3.7
Phosphorus (P1), ppm	55	1	5057	66	3.7	13.3	16.2	27.5	39.2
Phosphorus (P2), ppm	105	1	1825	105	2.9	9.4	12.5	23.6	51.6
Bicarbonate P, ppm	23	6	83	21		50.0	30.0	10.0	10.0
Potassium (K), ppm	137	1	44156	172					
Potassium (K), % Base Sat.	4.4	0.1	64.0	2.3	1.0	9.9	50.1	29.5	9.6
Magnesium (Mg), ppm	204	15	2825	123					
Magnesium (Mg), % Base Sat.	18.4	1.2	54.9	5.6	0.4	6.5	20.9	61.0	11.2
Calcium (Ca), ppm	1326	50	34400	1145					
Calcium (Ca), % Base Sat.	67.3	5.3	98.1	12.0	4.9	11.3	56.1	23.7	4.0
pH	6.8	3.8	13.2	0.7	0.9	9.5	46.1	25.2	18.3
CEC, meq/100g	9.4	0.7	99.9	6.4	2.4	46.9	40.6	7.5	2.7
Sulfur (S), ppm	11	3	4891	36.9		11.1	70.8	13.3	4.7
Zinc (Zn), ppm	4.6	1.2	584.1	6.0		33.0	38.8	23.8	4.4
Manganese (Mn), ppm	32	1	132	12	2.2	9.0	19.0	64.9	4.9
Iron (Fe), ppm	41	1	189	21		0.3	0.7	74.2	24.8
Copper (Cu), ppm	1.8	0.3	28.3	1.9		0.6	40.5	47.6	11.4
Boron (B), ppm	0.6	0.2	18.8	0.5	35.3	23.5	34.2	6.4	0.6