

# A & L GREAT LAKES LABORATORIES, INC.

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## Northeast Illinois 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, %	3.7	0.3	66.4	2.0	1.0	26.3	54.5	15.0	3.2
Phosphorus (P1), ppm	38	1	626	42	6.2	26.5	25.0	23.7	18.6
Phosphorus (P2), ppm	67	8	530	102	8.3	29.2	20.8	25.0	16.7
Bicarbonate P, ppm	30	3	98	29	22.2	11.1	22.2	22.2	22.2
Potassium (K), ppm	151	1	2888	76					
Potassium (K), % Base Sat.	3.0	0.1	25.1	1.5	0.2	6.5	56.7	28.1	8.5
Magnesium (Mg), ppm	344	20	1355	215					
Magnesium (Mg), % Base Sat.	19.2	4.4	44.0	7.8		9.1	28.2	37.3	25.4
Calcium (Ca), ppm	1818	100	23550	839					
Calcium (Ca), % Base Sat.	64.2	25.2	95.5	10.6	3.2	15.9	66.0	11.4	3.5
pH	6.5	4.6	8.8	0.6	0.6	13.2	66.7	15.6	4.0
CEC, meq/100g	14.2	1.7	99.9	5.9	0.4	15.4	42.0	38.9	3.3
Sulfur (S), ppm	18	4	1299	65.2		8.6	69.1	11.9	10.4
Zinc (Zn), ppm	8.8	1.6	226.8	13.8		18.9	26.2	32.6	22.3
Manganese (Mn), ppm	45	9	106	14		0.5	4.6	66.0	29.0
Iron (Fe), ppm	45	1	175	32		0.2	1.1	70.4	28.3
Copper (Cu), ppm	2.9	0.5	36.9	3.2			9.8	65.3	24.9
Boron (B), ppm	1.0	0.2	5.7	0.9	19.5	18.4	36.1	20.5	5.5