

# A & L GREAT LAKES LABORATORIES, INC.

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## Northwest 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, %	4.3	0.3	97.0	2.1	0.3	10.7	61.3	21.6	6.1
Phosphorus (P1), ppm	42	1	2596	37	2.4	14.7	22.2	34.4	26.2
Phosphorus (P2), ppm	51	6	257	43	9.3	28.7	19.0	23.5	19.4
Bicarbonate P, ppm	19	12	32	6		41.7	33.3	25.0	
Potassium (K), ppm	196	1	1591	86					
Potassium (K), % Base Sat.	3.7	0.1	27.0	1.9	0.1	2.4	34.3	38.0	25.2
Magnesium (Mg), ppm	502	15	1470	171					
Magnesium (Mg), % Base Sat.	28.4	1.6	47.8	6.6	0.3	1.2	2.3	23.2	73.0
Calcium (Ca), ppm	1813	50	31050	1269					
Calcium (Ca), % Base Sat.	57.5	3.8	97.9	9.3	6.7	32.6	56.7	1.9	2.0
pH	6.6	4.1	8.3	0.6	0.5	9.0	63.5	21.3	5.6
CEC, meq/100g	15.3	1.8	99.9	6.6	0.1	5.0	53.7	36.8	4.5
Sulfur (S), ppm	10	4	163	5.6		17.2	72.6	8.2	2.0
Zinc (Zn), ppm	5.1	1.5	144.0	6.7		20.3	46.7	27.1	5.9
Manganese (Mn), ppm	45	4	126	17	0.2	1.3	4.6	66.1	27.9
Iron (Fe), ppm	35	1	163	22		1.0	1.3	84.6	13.1
Copper (Cu), ppm	1.6	0.3	99.9	3.6		0.2	34.8	61.7	3.3
Boron (B), ppm	0.7	0.2	3.7	0.4	15.3	32.1	44.7	7.2	0.7