a&lgreatlakes LABORATORIES
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3505 Conestoga Dr.
Fort Wayne, IN 46808
260.483.4759
algreatlakes.com

Great Lakes Region

2016 SOIL TEST DATA SUMMARY

Soil Test	Statistics		Percent Samples by Soil Test Rating				
	Average	Std. Dev.	Very Low	Low	Medium	High	Very High
Organic Matter,%	3.3	4.0	(<1.0) 1.2	(1.0-2.5) 41.6	(2.5-5.0) 49.4	(5.0-7.0) 5.0	(7.0+) 2.8
Phosphorus (P1), ppm	46	53	(<10) 6.0	(10-20) 17.9	(20-30) 20.1	(30-50) 26.3	(50+) 29.2
Phosphorus (P2), ppm	70	81	(<14) 6.5	(14-29) 17.7	(29-44) 20.9	(44-74) 24.0	(74+) 30.9
Bicarbonate P, ppm	24	25	(<5) 10.1	(5-15) 25.8	(15-25) 29.8	(25-45) 27.2	(45+) 7.0
Potassium (K), ppm	143	74					
K, % Base Saturation	3.8	2.0	(<0.91) 1.8	(0.91-1.79) 7.8	(1.80-3.59) 51.7	(3.60-5.38) 30.9	(>5.38) 9.1
Magnesium (Mg), ppm	273	163					
Mg, % Base Saturation	20.3	6.9	(<5) 0.6	(5-10) 4.9	(10-15) 17.5	(15-25) 53.8	(25+) 23.1
Calcium (Ca), ppm	1447	980					
Ca, % Base Saturation	63.8	13.6	(<45) 5.8	(45-55) 16.5	(55-75) 60.5	(75-85) 14.2	(85+) 3.0
pH (1:1)	6.6	0.6	(<5.1) 1.0	(5.1-5.8) 11.2	(5.9-6.0) 60.1	(7.0-7.5) 20.4	(>7.5) 7.4
CEC, meq/100g	11.1	5.8	(<3.1) 1.5	(3.1-8.0) 29.6	(8.1-15.0) 49.3	(15.1-25.0) 17.8	(>25.0) 1.8
Sulfur (S), ppm	9	26.0	(<4) 2.3	(4-7) 53.2	(8-12) 36.1	(13-17) 4.7	(>17) 3.7
Zinc (Zn), ppm	3.9	6.0	(<1.0)	(1.1-2.9) 50.8	(3.0-4.9) 29.8	(5.0-10.0) 15.5	(>10.0) 3.9
Manganese (Mn), ppm	36	16	(<6) 3.1	(6-14) 8.4	(15-19) 14.4	(20-49) 57.0	(>49) 17.1
Iron (Fe), ppm	40	26		(<5) 1.0	(5-9) 1.5	(10-50) 73.4	(>50) 24.1
Copper (Cu), ppm	1.7	1.4		(<0.4) 0.3	(0.4-1.1) 39.9	(1.2-3.0) 51.1	(>3.0) 8.7
Boron (B), ppm	0.5	0.7	(<0.4) 50.4	(0.4-0.5) 21.1	(0.6-1.2) 24.4	(1.3-2.5) 3.7	(>2.5) 0.4
Nitrate (NO_3-N), ppm	25.1	23.3	(<5) 9.7	(5-9) 16.2	(10-19) 23.9	(20-39) 31.0	(>39) 19.2
Ammonium (NH_4-N), ppm	6.7	9.4	(<5) 45.8	(5-9) 40.5	(10-19) 8.7	(20-39) 3.5	(>39) 1.5