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LABORATORIES

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3505 Conestoga Dr.
Fort Wayne, IN 46808
260.483.4759
algreatlakes.com

Indiana

2019 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	4.7	1.7 (<1.0)	46.7 (1.0-2.5)	45.8 (2.5-5.0)	2.8 (5.0-7.0)	3.0 (7.0+)
Phosphorus (P1), ppm	42	45	7.1 <td>20.4 (10-20)</td> <td>20.1 (20-30)</td> <td>26.2 (30-50)</td> <td>26.1 (50+)</td>	20.4 (10-20)	20.1 (20-30)	26.2 (30-50)	26.1 (50+)
Phosphorus (P2), ppm	63	64	5.3 <td>19.9 (14-29)</td> <td>21.2 (29-44)</td> <td>27.8 (44-74)</td> <td>25.7 (74+)</td>	19.9 (14-29)	21.2 (29-44)	27.8 (44-74)	25.7 (74+)
Bicarbonate P, ppm	37	47	17.1 <td>11.4 (5-15)</td> <td>14.3 (15-25)</td> <td>28.6 (25-45)</td> <td>28.6 (45+)</td>	11.4 (5-15)	14.3 (15-25)	28.6 (25-45)	28.6 (45+)
Potassium (K), ppm	136	58					
K, % Base Saturation	3.7	1.9	2.1 <td>6.4 (0.94-1.85)</td> <td>58.2 (1.86-3.70)</td> <td>28.4 (3.71-5.56)</td> <td>6.7<br (>5.56)<="" td=""/></td>	6.4 (0.94-1.85)	58.2 (1.86-3.70)	28.4 (3.71-5.56)	6.7
Magnesium (Mg), ppm	254	140					
Mg, % Base Saturation	19.9	6.4	0.4 <td>5.1 (5-10)</td> <td>17.7 (10-15)</td> <td>55.8 (15-25)</td> <td>20.9 (25+)</td>	5.1 (5-10)	17.7 (10-15)	55.8 (15-25)	20.9 (25+)
Calcium (Ca), ppm	1374	840					
Ca, % Base Saturation	63.3	10.6	4.5 <td>16.5 (45-55)</td> <td>66.6 (55-75)</td> <td>10.4 (75-85)</td> <td>2.0 (85+)</td>	16.5 (45-55)	66.6 (55-75)	10.4 (75-85)	2.0 (85+)
pH (1:1)	6.5	0.6	0.6 <td>11.7 (5.1-5.8)</td> <td>67.0 (5.9-6.9)</td> <td>17.4 (7.0-7.5)</td> <td>3.2 (>7.5)</td>	11.7 (5.1-5.8)	67.0 (5.9-6.9)	17.4 (7.0-7.5)	3.2 (>7.5)
CEC, meq/100g	10.7	5.3	1.1 <td>30.6 (3.1-8.0)</td> <td>53.0 (8.1-15.0)</td> <td>13.9 (15.1-25.0)</td> <td>1.4 (>25.0)</td>	30.6 (3.1-8.0)	53.0 (8.1-15.0)	13.9 (15.1-25.0)	1.4 (>25.0)
Sulfur (S), ppm	7	6.5	4.0 <td>59.7 (4-7)</td> <td>31.9 (8-12)</td> <td>3.1 (13-17)</td> <td>1.3 (>17)</td>	59.7 (4-7)	31.9 (8-12)	3.1 (13-17)	1.3 (>17)
Zinc (Zn), ppm	3.6	4.1		57.5 <td>27.6 (1.1-2.9)</td> <td>11.8 (3.0-4.9)</td> <td>3.0 (5.0-10.0)</td>	27.6 (1.1-2.9)	11.8 (3.0-4.9)	3.0 (5.0-10.0)
Manganese (Mn), ppm	45	19	2.0 <td>5.2 (6-14)</td> <td>8.5 (15-19)</td> <td>48.2 (20-49)</td> <td>36.1 (>49)</td>	5.2 (6-14)	8.5 (15-19)	48.2 (20-49)	36.1 (>49)
Iron (Fe), ppm	45	29		0.4 <td>1.2 (5-9)</td> <td>69.2 (10-50)</td> <td>29.3 (>50)</td>	1.2 (5-9)	69.2 (10-50)	29.3 (>50)
Copper (Cu), ppm	1.5	1.1		0.8 <td>45.4 (0.4-1.1)</td> <td>48.7 (1.2-3.0)</td> <td>5.1 (>3.0)</td>	45.4 (0.4-1.1)	48.7 (1.2-3.0)	5.1 (>3.0)
Boron (B), ppm	0.4	0.3	50.3 <td>26.9 (0.4-0.5)</td> <td>21.3 (0.6-1.2)</td> <td>1.4 (1.3-2.5)</td> <td>0.1 (>2.5)</td>	26.9 (0.4-0.5)	21.3 (0.6-1.2)	1.4 (1.3-2.5)	0.1 (>2.5)
Nitrate (NO ₃ -N), ppm	64.3	60.0	2.5 <td>8.8 (5-9)</td> <td>14.2 (10-19)</td> <td>25.1 (20-39)</td> <td>49.4 (>39)</td>	8.8 (5-9)	14.2 (10-19)	25.1 (20-39)	49.4 (>39)
Ammonium (NH ₄ -N), ppm	25.8	35.3	25.9 <td>29.0 (5-9)</td> <td>11.1 (10-19)</td> <td>5.4 (20-39)</td> <td>28.5 (>39)</td>	29.0 (5-9)	11.1 (10-19)	5.4 (20-39)	28.5 (>39)