



a&lgreatlakes
LABORATORIES

Scientists who don't mind getting dirty.™

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

Northern Ohio

2020 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, %	3.4	2.1	0.2 (<1.0)	21.2 (1.0-2.5)	73.5 (2.5-5.0)	4.0 (5.0-7.0)	1.1 (7.0+)
Phosphorus (P1), ppm	35	36	8.2 <td>25.5 (10-20)</td> <td>23.9 (20-30)</td> <td>24.7 (30-50)</td> <td>17.7 (50+)</td>	25.5 (10-20)	23.9 (20-30)	24.7 (30-50)	17.7 (50+)
Phosphorus (P2), ppm	60	50	5.0 <td>17.2 (14-29)</td> <td>21.2 (29-44)</td> <td>31.4 (44-74)</td> <td>25.1 (74+)</td>	17.2 (14-29)	21.2 (29-44)	31.4 (44-74)	25.1 (74+)
Bicarbonate P, ppm	45	1	<5 <td><5 (5-15)</td> <td><5 (15-25)</td> <td><5 (25-45)</td> <td><5 (45+)</td>	<5 (5-15)	<5 (15-25)	<5 (25-45)	<5 (45+)
Potassium (K), ppm	139	55				50.0	50.0
K, % Base Saturation	3.1	1.3	0.5 <td>6.4 (0.84-1.65)</td> <td>58.1 (1.66-3.30)</td> <td>30.9 (3.31-4.96)</td> <td>4.4<br (>4.96)<="" td=""/></td>	6.4 (0.84-1.65)	58.1 (1.66-3.30)	30.9 (3.31-4.96)	4.4
Magnesium (Mg), ppm	296	126					
Mg, % Base Saturation	20.1	5.7	0.3 <td>2.2 (5-10)</td> <td>15.2 (10-15)</td> <td>63.6 (15-25)</td> <td>18.7 (25+)</td>	2.2 (5-10)	15.2 (10-15)	63.6 (15-25)	18.7 (25+)
Calcium (Ca), ppm	1587	807					
Ca, % Base Saturation	63.3	10.3	4.3 <td>15.0 (45-55)</td> <td>68.7 (55-75)</td> <td>10.4 (75-85)</td> <td>1.6 (85+)</td>	15.0 (45-55)	68.7 (55-75)	10.4 (75-85)	1.6 (85+)
pH (1:1)	6.5	0.6	0.7 <td>13.3 (5.1-5.8)</td> <td>66.5 (5.9-6.9)</td> <td>16.0 (7.0-7.5)</td> <td>3.6<br (>7.5)<="" td=""/></td>	13.3 (5.1-5.8)	66.5 (5.9-6.9)	16.0 (7.0-7.5)	3.6
CEC, meq/100g	12.3	4.7	0.3 <td>15.3 (3.1-8.0)</td> <td>59.3 (8.1-15.0)</td> <td>24.4 (15.1-25.0)</td> <td>0.7<br (>25.0)<="" td=""/></td>	15.3 (3.1-8.0)	59.3 (8.1-15.0)	24.4 (15.1-25.0)	0.7
Sulfur (S), ppm	9	15.8	1.5 <td>45.0 (4-7)</td> <td>45.9 (8-12)</td> <td>5.2 (13-17)</td> <td>2.4<br (>17)<="" td=""/></td>	45.0 (4-7)	45.9 (8-12)	5.2 (13-17)	2.4
Zinc (Zn), ppm	3.2	3.5	<1.0 <td>61.0 (1.1-2.9)</td> <td>29.9 (3.0-4.9)</td> <td>7.7 (5.0-10.0)</td> <td>1.5<br (>10.0)<="" td=""/></td>	61.0 (1.1-2.9)	29.9 (3.0-4.9)	7.7 (5.0-10.0)	1.5
Manganese (Mn), ppm	30	14	1.8 <td>16.3 (6-14)</td> <td>25.2 (15-19)</td> <td>49.0 (20-49)</td> <td>7.6<br (>49)<="" td=""/></td>	16.3 (6-14)	25.2 (15-19)	49.0 (20-49)	7.6
Iron (Fe), ppm	52	24		0.1 <td>0.3 (5-9)</td> <td>53.9 (10-50)</td> <td>45.7<br (>50)<="" td=""/></td>	0.3 (5-9)	53.9 (10-50)	45.7
Copper (Cu), ppm	2.3	1.1		0.1 <td>0.3 (0.4-1.1)</td> <td>68.7 (1.2-3.0)</td> <td>19.0<br (>3.0)<="" td=""/></td>	0.3 (0.4-1.1)	68.7 (1.2-3.0)	19.0
Boron (B), ppm	0.6	0.4	26.6 <td>24.4 (0.4-0.5)</td> <td>45.1 (0.6-1.2)</td> <td>3.8 (1.3-2.5)</td> <td>0.1<br (>2.5)<="" td=""/></td>	24.4 (0.4-0.5)	45.1 (0.6-1.2)	3.8 (1.3-2.5)	0.1
Nitrate (NO ₃ -N), ppm	21.7	19.8	5.8 <td>27.6 (5-9)</td> <td>23.0 (10-19)</td> <td>27.6 (20-39)</td> <td>16.0<br (>39)<="" td=""/></td>	27.6 (5-9)	23.0 (10-19)	27.6 (20-39)	16.0
Ammonium (NH ₄ -N), ppm	6.5	13.8	31.9 <td>57.5 (5-9)</td> <td>8.0 (10-19)</td> <td>0.9 (20-39)</td> <td>1.8<br (>39)<="" td=""/></td>	57.5 (5-9)	8.0 (10-19)	0.9 (20-39)	1.8