



a&lgreatlakes
LABORATORIES

Scientists who don't mind getting dirty.™

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

Southern Michigan

2018 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, %	2.9	4.7	2.2 (<1.0)	65.5 (1.0-2.5)	28.1 (2.5-5.0)	1.4 (5.0-7.0)	2.8 (7.0+)
Phosphorus (P1), ppm	60	61	3.6 <td>13.4 (10-20)</td> <td>16.5 (20-30)</td> <td>25.2 (30-50)</td> <td>41.4 (50+)</td>	13.4 (10-20)	16.5 (20-30)	25.2 (30-50)	41.4 (50+)
Phosphorus (P2), ppm	66	70	6.0 <td>20.5 (14-29)</td> <td>19.2 (29-44)</td> <td>29.6 (44-74)</td> <td>24.7 (74+)</td>	20.5 (14-29)	19.2 (29-44)	29.6 (44-74)	24.7 (74+)
Bicarbonate P, ppm	21	13	15.4 <td>30.8 (5-15)</td> <td>15.4 (15-25)</td> <td>38.5 (25-45)</td> <td></td>	30.8 (5-15)	15.4 (15-25)	38.5 (25-45)	
Potassium (K), ppm	126	67					
K, % Base Saturation	4.8	2.4	1.5 <td>10.1 (1.18-2.35)</td> <td>54.0 (2.36-4.69)</td> <td>27.9 (4.70-7.04)</td> <td>7.1<br (>7.04)<="" td=""/></td>	10.1 (1.18-2.35)	54.0 (2.36-4.69)	27.9 (4.70-7.04)	7.1
Magnesium (Mg), ppm	169	100					
Mg, % Base Saturation	18.1	5.8	0.9 <td>6.2 (5-10)</td> <td>24.4 (10-15)</td> <td>57.2 (15-25)</td> <td>11.3 (25+)</td>	6.2 (5-10)	24.4 (10-15)	57.2 (15-25)	11.3 (25+)
Calcium (Ca), ppm	1078	910					
Ca, % Base Saturation	64.6	12.6	6.2 <td>14.6 (45-55)</td> <td>58.4 (55-75)</td> <td>18.0 (75-85)</td> <td>2.9 (85+)</td>	14.6 (45-55)	58.4 (55-75)	18.0 (75-85)	2.9 (85+)
pH (1:1)	6.6	0.6	1.3 <td>9.6 (5.1-5.8)</td> <td>63.0 (5.9-6.0)</td> <td>21.8 (7.0-7.5)</td> <td>4.4<br (>7.5)<="" td=""/></td>	9.6 (5.1-5.8)	63.0 (5.9-6.0)	21.8 (7.0-7.5)	4.4
CEC, meq/100g	8.0	5.0	3.4 <td>59.3 (3.1-8.0)</td> <td>31.4 (8.1-15.0)</td> <td>4.8 (15.1-25.0)</td> <td>1.2<br (>25.0)<="" td=""/></td>	59.3 (3.1-8.0)	31.4 (8.1-15.0)	4.8 (15.1-25.0)	1.2
Sulfur (S), ppm	10	19.1	1.0 <td>46.3 (4-7)</td> <td>41.5 (8-12)</td> <td>6.1 (13-17)</td> <td>5.0<br (>17)<="" td=""/></td>	46.3 (4-7)	41.5 (8-12)	6.1 (13-17)	5.0
Zinc (Zn), ppm	4.3	4.1		44.6 <td>30.1 (1.1-2.9)</td> <td>19.9 (3.0-4.9)</td> <td>5.3<br (>10.0)<="" td=""/></td>	30.1 (1.1-2.9)	19.9 (3.0-4.9)	5.3
Manganese (Mn), ppm	38	15	2.7 <td>6.6 (6-14)</td> <td>9.8 (15-19)</td> <td>60.8 (20-49)</td> <td>20.0<br (>49)<="" td=""/></td>	6.6 (6-14)	9.8 (15-19)	60.8 (20-49)	20.0
Iron (Fe), ppm	46	25		0.3 <td>0.5 (5-9)</td> <td>68.9 (10-50)</td> <td>30.3<br (>50)<="" td=""/></td>	0.5 (5-9)	68.9 (10-50)	30.3
Copper (Cu), ppm	2.0	2.1		0.3 <td>39.3 (0.4-1.1)</td> <td>44.5 (1.2-3.0)</td> <td>15.8<br (>3.0)<="" td=""/></td>	39.3 (0.4-1.1)	44.5 (1.2-3.0)	15.8
Boron (B), ppm	0.5	1.9	47.2 <td>24.0 (0.4-0.5)</td> <td>24.3 (0.6-1.2)</td> <td>4.1 (1.3-2.5)</td> <td>0.3<br (>2.5)<="" td=""/></td>	24.0 (0.4-0.5)	24.3 (0.6-1.2)	4.1 (1.3-2.5)	0.3
Nitrate (NO ₃ -N), ppm	22.6	31.4	5.7 <td>16.8 (5-9)</td> <td>33.9 (10-19)</td> <td>31.9 (20-39)</td> <td>11.7<br (>39)<="" td=""/></td>	16.8 (5-9)	33.9 (10-19)	31.9 (20-39)	11.7
Ammonium (NH ₄ -N), ppm	14.7	84.2	54.1 <td>31.5 (5-9)</td> <td>5.5 (10-19)</td> <td>2.7 (20-39)</td> <td>6.2<br (>39)<="" td=""/></td>	31.5 (5-9)	5.5 (10-19)	2.7 (20-39)	6.2