



a&lgreatlakes
LABORATORIES

Scientists who don't mind getting dirty.™

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

Southwest Wisconsin

2017 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, %	3.6	4.4	1.2 (<1.0)	33.3 (1.0-2.5)	55.1 (2.5-5.0)	6.9 (5.0-7.0)	3.5 (7.0+)
Phosphorus (P1), ppm	41	44	6.7 (<10)	4.4 (10-20)	33.7 (20-30)	12.6 (30-50)	24.8 (50+)
Phosphorus (P2), ppm	189	20	20 (<14)	20 (14-29)	20 (29-44)	20 (44-74)	100.0 (74+)
Bicarbonate P, ppm	27	2	2 <td>2 (5-15)</td> <td>2 (15-25)</td> <td>2 (25-45)</td> <td>2 (45+)</td>	2 (5-15)	2 (15-25)	2 (25-45)	2 (45+)
Potassium (K), ppm	143	73	2 <td>2 (0.84-1.65)</td> <td>2 (1.66-3.31)</td> <td>2 (3.32-4.96)</td> <td>2<br (>4.96)<="" td=""/></td>	2 (0.84-1.65)	2 (1.66-3.31)	2 (3.32-4.96)	2
K, % Base Saturation	3.3	1.8	0.3 (<0.84)	8.0 (0.84-1.65)	51.9 (1.66-3.31)	26.7 (3.32-4.96)	13.1
Magnesium (Mg), ppm	433	176	2 <td>2 (5-10)</td> <td>2 (10-15)</td> <td>2 (15-25)</td> <td>2 (25+)</td>	2 (5-10)	2 (10-15)	2 (15-25)	2 (25+)
Mg, % Base Saturation	29.6	7.6	2.4 <td>1.6 (5-10)</td> <td>1.8 (10-15)</td> <td>13.7 (15-25)</td> <td>80.6 (25+)</td>	1.6 (5-10)	1.8 (10-15)	13.7 (15-25)	80.6 (25+)
Calcium (Ca), ppm	1402	1022	2 <td>2 (45-55)</td> <td>2 (55-75)</td> <td>2 (75-85)</td> <td>2 (85+)</td>	2 (45-55)	2 (55-75)	2 (75-85)	2 (85+)
Ca, % Base Saturation	54.0	12.6	11.5 <td>20.2 (5.1-5.8)</td> <td>66.7 (5.9-6.0)</td> <td>0.7 (7.0-7.5)</td> <td>0.9 (>7.5)</td>	20.2 (5.1-5.8)	66.7 (5.9-6.0)	0.7 (7.0-7.5)	0.9 (>7.5)
pH (1:1)	6.6	0.6	0.4 <td>10.4 (3.1-8.0)</td> <td>61.1 (8.1-15.0)</td> <td>25.2 (15.1-25.0)</td> <td>3.0 (>25.0)</td>	10.4 (3.1-8.0)	61.1 (8.1-15.0)	25.2 (15.1-25.0)	3.0 (>25.0)
CEC, meq/100g	12.3	5.8	0.6 <td>16.6 (4-7)</td> <td>64.7 (8-12)</td> <td>12.3 (13-17)</td> <td>5.8 (>17)</td>	16.6 (4-7)	64.7 (8-12)	12.3 (13-17)	5.8 (>17)
Sulfur (S), ppm	7	4.2	0.6 <td>66.6 (1.1-2.9)</td> <td>29.9 (3.0-4.9)</td> <td>1.8 (5.0-10.0)</td> <td>1.2 (>10.0)</td>	66.6 (1.1-2.9)	29.9 (3.0-4.9)	1.8 (5.0-10.0)	1.2 (>10.0)
Zinc (Zn), ppm	4.2	3.8	2 <td>42.6 (1.1-2.9)</td> <td>38.0 (3.0-4.9)</td> <td>14.2 (5.0-10.0)</td> <td>5.2 (>10.0)</td>	42.6 (1.1-2.9)	38.0 (3.0-4.9)	14.2 (5.0-10.0)	5.2 (>10.0)
Manganese (Mn), ppm	58	17	0.2 <td>0.7 (6-14)</td> <td>1.0 (15-19)</td> <td>34.9 (20-49)</td> <td>63.2 (>49)</td>	0.7 (6-14)	1.0 (15-19)	34.9 (20-49)	63.2 (>49)
Iron (Fe), ppm	35	20	2 <td>0.7<br (<0.4)<="" td=""/><td>1.9 (0.4-1.1)</td><td>82.9 (1.2-3.0)</td><td>14.5 (>3.0)</td></td>	0.7 <td>1.9 (0.4-1.1)</td> <td>82.9 (1.2-3.0)</td> <td>14.5 (>3.0)</td>	1.9 (0.4-1.1)	82.9 (1.2-3.0)	14.5 (>3.0)
Copper (Cu), ppm	1.3	0.7	2 <td>2 (0.4-0.5)</td> <td>58.9 (0.6-1.2)</td> <td>38.8 (1.3-2.5)</td> <td>2.2 (>2.5)</td>	2 (0.4-0.5)	58.9 (0.6-1.2)	38.8 (1.3-2.5)	2.2 (>2.5)
Boron (B), ppm	0.5	0.5	45.2 <td>27.3 (5-9)</td> <td>21.5 (10-19)</td> <td>5.9 (20-39)</td> <td>0.2 (>39)</td>	27.3 (5-9)	21.5 (10-19)	5.9 (20-39)	0.2 (>39)
Nitrate (NO ₃ -N), ppm	10.1	10.6	10.7 <td>59.5 (5-9)</td> <td>20.6 (10-19)</td> <td>6.1 (20-39)</td> <td>3.1 (>39)</td>	59.5 (5-9)	20.6 (10-19)	6.1 (20-39)	3.1 (>39)