



a&lgreatlakes
LABORATORIES

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Southwest Wisconsin

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, %	3.4	2.8	0.8 (<1.0)	33.4 (1.0-2.5)	57.7 (2.5-5.0)	5.9 (5.0-7.0)	2.2 (7.0+)
Phosphorus (P1), ppm	39	39	8.1 <td>1.8 (10-20)</td> <td>33.1 (20-30)</td> <td>10.1 (30-50)</td> <td>24.3 (50+)</td>	1.8 (10-20)	33.1 (20-30)	10.1 (30-50)	24.3 (50+)
Phosphorus (P2), ppm	95	176	4.3 <td>11.8 (14-29)</td> <td>16.1 (29-44)</td> <td>35.5 (44-74)</td> <td>32.3 (74+)</td>	11.8 (14-29)	16.1 (29-44)	35.5 (44-74)	32.3 (74+)
Potassium (K), ppm	151	81					
K, % Base Saturation	3.2	1.7	0.2 <td>7.7 (0.80-1.58)</td> <td>52.8 (1.59-3.15)</td> <td>24.4 (3.16-4.73)</td> <td>14.9<br (>4.73)<="" td=""/></td>	7.7 (0.80-1.58)	52.8 (1.59-3.15)	24.4 (3.16-4.73)	14.9
Magnesium (Mg), ppm	441	161					
Mg, % Base Saturation	28.6	6.7	0.2 <td>0.8 (5-10)</td> <td>2.2 (10-15)</td> <td>14.7 (15-25)</td> <td>82.2 (25+)</td>	0.8 (5-10)	2.2 (10-15)	14.7 (15-25)	82.2 (25+)
Calcium (Ca), ppm	1428	991					
Ca, % Base Saturation	56.5	9.1	8.8 <td>18.5 (45-55)</td> <td>70.2 (55-75)</td> <td>1.8 (75-85)</td> <td>0.8 (85+)</td>	18.5 (45-55)	70.2 (55-75)	1.8 (75-85)	0.8 (85+)
pH (1:1)	6.5	0.5	0.5 <td>9.4 (5.1-5.8)</td> <td>65.3 (5.9-6.0)</td> <td>23.5 (7.0-7.5)</td> <td>1.3<br (>7.5)<="" td=""/></td>	9.4 (5.1-5.8)	65.3 (5.9-6.0)	23.5 (7.0-7.5)	1.3
CEC, meq/100g	13.1	5.3	0.3 <td>14.8 (3.1-8.0)</td> <td>67.7 (8.1-15.0)</td> <td>15.3 (15.1-25.0)</td> <td>1.8<br (>25.0)<="" td=""/></td>	14.8 (3.1-8.0)	67.7 (8.1-15.0)	15.3 (15.1-25.0)	1.8
Sulfur (S), ppm	9	11.0	0.7 <td>53.8 (4-7)</td> <td>38.4 (8-12)</td> <td>4.5 (13-17)</td> <td>2.6<br (>17)<="" td=""/></td>	53.8 (4-7)	38.4 (8-12)	4.5 (13-17)	2.6
Zinc (Zn), ppm	4.4	2.7		31.7 <td>38.0 (1.1-2.9)</td> <td>27.5 (3.0-4.9)</td> <td>2.9<br (>10.0)<="" td=""/></td>	38.0 (1.1-2.9)	27.5 (3.0-4.9)	2.9
Manganese (Mn), ppm	59	19	0.1 <td>0.8 (6-14)</td> <td>1.3 (15-19)</td> <td>34.8 (5.0-10.0)</td> <td>63.1<br (>49)<="" td=""/></td>	0.8 (6-14)	1.3 (15-19)	34.8 (5.0-10.0)	63.1
Iron (Fe), ppm	36	18		0.7 <td>1.6 (5-9)</td> <td>84.8 (10-50)</td> <td>12.9<br (>50)<="" td=""/></td>	1.6 (5-9)	84.8 (10-50)	12.9
Copper (Cu), ppm	2.0	1.3		0.1 <td>29.7 (0.4-1.1)</td> <td>46.6 (1.2-3.0)</td> <td>23.7<br (>3.0)<="" td=""/></td>	29.7 (0.4-1.1)	46.6 (1.2-3.0)	23.7
Boron (B), ppm	0.5	0.3	37.7 <td>31.2 (0.4-0.5)</td> <td>27.4 (0.6-1.2)</td> <td>3.6 (1.3-2.5)</td> <td>0.2<br (>2.5)<="" td=""/></td>	31.2 (0.4-0.5)	27.4 (0.6-1.2)	3.6 (1.3-2.5)	0.2
Nitrate (NO ₃ -N), ppm	9.7	6.9	7.6 <td>45.7 (5-9)</td> <td>41.9 (10-19)</td> <td>3.8 (20-39)</td> <td>1.0<br (>39)<="" td=""/></td>	45.7 (5-9)	41.9 (10-19)	3.8 (20-39)	1.0