



a&lgreatlakes
LABORATORIES

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

Southern Indiana

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, %	2.6	1.2	1.1 (<1.0)	53.1 (1.0-2.5)	44.0 (2.5-5.0)	1.5 (5.0-7.0)	0.4 (7.0+)
Phosphorus (P1), ppm	34	37	11.1 <td>26.2 (10-20)</td> <td>22.7 (20-30)</td> <td>23.1 (30-50)</td> <td>17.0 (50+)</td>	26.2 (10-20)	22.7 (20-30)	23.1 (30-50)	17.0 (50+)
Phosphorus (P2), ppm	75	81	25.2 <td>16.8 (14-29)</td> <td>5.2 (29-44)</td> <td>11.1 (44-74)</td> <td>41.7 (74+)</td>	16.8 (14-29)	5.2 (29-44)	11.1 (44-74)	41.7 (74+)
Bicarbonate P, ppm	31	42	7.7 <td>34.6 (5-15)</td> <td>19.2 (15-25)</td> <td>23.1 (25-45)</td> <td>15.4 (45+)</td>	34.6 (5-15)	19.2 (15-25)	23.1 (25-45)	15.4 (45+)
Potassium (K), ppm	117	65					
K, % Base Saturation	3.4	1.6	1.0 <td>12.8 (1.03-2.05)</td> <td>62.9 (2.06-4.09)</td> <td>20.6 (4.10-6.14)</td> <td>3.3<br (>6.14)<="" td=""/></td>	12.8 (1.03-2.05)	62.9 (2.06-4.09)	20.6 (4.10-6.14)	3.3
Magnesium (Mg), ppm	201	112					
Mg, % Base Saturation	17.4	6.2	0.5 <td>10.7 (5-10)</td> <td>28.0 (10-15)</td> <td>48.5 (15-25)</td> <td>12.3 (25+)</td>	10.7 (5-10)	28.0 (10-15)	48.5 (15-25)	12.3 (25+)
Calcium (Ca), ppm	1244	563					
Ca, % Base Saturation	65.5	10.4	3.4 <td>11.1 (45-55)</td> <td>69.3 (55-75)</td> <td>13.0 (75-85)</td> <td>3.3 (85+)</td>	11.1 (45-55)	69.3 (55-75)	13.0 (75-85)	3.3 (85+)
pH (1:1)	6.5	0.6	0.7 <td>12.4 (5.1-5.8)</td> <td>67.9 (5.9-6.9)</td> <td>15.3 (7.0-7.5)</td> <td>3.7<br (>7.5)<="" td=""/></td>	12.4 (5.1-5.8)	67.9 (5.9-6.9)	15.3 (7.0-7.5)	3.7
CEC, meq/100g	9.4	3.6	0.6 <td>38.3 (3.1-8.0)</td> <td>54.1 (8.1-15.0)</td> <td>6.7 (15.1-25.0)</td> <td>0.3<br (>25.0)<="" td=""/></td>	38.3 (3.1-8.0)	54.1 (8.1-15.0)	6.7 (15.1-25.0)	0.3
Sulfur (S), ppm	8	21.9	4.2 <td>61.9 (4-7)</td> <td>30.3 (8-12)</td> <td>2.4 (13-17)</td> <td>1.2<br (>17)<="" td=""/></td>	61.9 (4-7)	30.3 (8-12)	2.4 (13-17)	1.2
Zinc (Zn), ppm	3.4	3.4		63.0 <td>23.1 (1.1-2.9)</td> <td>10.4 (3.0-4.9)</td> <td>3.5<br (>10.0)<="" td=""/></td>	23.1 (1.1-2.9)	10.4 (3.0-4.9)	3.5
Manganese (Mn), ppm	51	18	0.1 <td>0.9 (6-14)</td> <td>4.3 (15-19)</td> <td>45.6 (20-49)</td> <td>49.2<br (>49)<="" td=""/></td>	0.9 (6-14)	4.3 (15-19)	45.6 (20-49)	49.2
Iron (Fe), ppm	43	27		0.3 <td>1.7 (5-9)</td> <td>67.7 (10-50)</td> <td>30.3<br (>50)<="" td=""/></td>	1.7 (5-9)	67.7 (10-50)	30.3
Copper (Cu), ppm	1.6	1.1		0.3 <td>42.6 (0.4-1.1)</td> <td>47.6 (1.2-3.0)</td> <td>9.5<br (>3.0)<="" td=""/></td>	42.6 (0.4-1.1)	47.6 (1.2-3.0)	9.5
Boron (B), ppm	0.4	5.0	52.2 <td>27.4 (0.4-0.5)</td> <td>19.5 (0.6-1.2)</td> <td>0.9 (1.3-2.5)</td> <td>0.1<br (>2.5)<="" td=""/></td>	27.4 (0.4-0.5)	19.5 (0.6-1.2)	0.9 (1.3-2.5)	0.1
Nitrate (NO ₃ -N), ppm	19.6	13.5	6.8 <td>11.8 (5-9)</td> <td>40.1 (10-19)</td> <td>31.9 (20-39)</td> <td>9.3<br (>39)<="" td=""/></td>	11.8 (5-9)	40.1 (10-19)	31.9 (20-39)	9.3
Ammonium (NH ₄ -N), ppm	3.6	4.4	53.3 <td>43.8 (5-9)</td> <td>1.8 (10-19)</td> <td>0.4 (20-39)</td> <td>0.7<br (>39)<="" td=""/></td>	43.8 (5-9)	1.8 (10-19)	0.4 (20-39)	0.7