



a&lgreatlakes
LABORATORIES

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Northwest Illinois

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, %	4.1	1.9	0.2 (<1.0)	11.3 (1.0-2.5)	66.8 (2.5-5.0)	18.3 (5.0-7.0)	3.4 (7.0+)
Phosphorus (P1), ppm	39	33	3.0 <td>15.3 (10-20)</td> <td>25.9 (20-30)</td> <td>34.6 (30-50)</td> <td>21.2 (50+)</td>	15.3 (10-20)	25.9 (20-30)	34.6 (30-50)	21.2 (50+)
Phosphorus (P2), ppm	56	33	0.5 <td>12.1 (14-29)</td> <td>31.3 (29-44)</td> <td>35.9 (44-74)</td> <td>20.2 (74+)</td>	12.1 (14-29)	31.3 (29-44)	35.9 (44-74)	20.2 (74+)
Bicarbonate P, ppm	15	12	14.4 <td>50.6 (5-15)</td> <td>18.1 (15-25)</td> <td>14.4 (25-45)</td> <td>2.5 (45+)</td>	50.6 (5-15)	18.1 (15-25)	14.4 (25-45)	2.5 (45+)
Potassium (K), ppm	172	71					
K, % Base Saturation	3.2	1.5	0.5 <td>3.0 (0.72-1.43)</td> <td>44.3 (1.44-2.86)</td> <td>38.2 (2.87-4.28)</td> <td>14.3<br (>4.28)<="" td=""/></td>	3.0 (0.72-1.43)	44.3 (1.44-2.86)	38.2 (2.87-4.28)	14.3
Magnesium (Mg), ppm	477	168					
Mg, % Base Saturation	27.4	7.0	0.4 <td>1.3 (5-10)</td> <td>3.5 (10-15)</td> <td>28.4 (15-25)</td> <td>66.4 (25+)</td>	1.3 (5-10)	3.5 (10-15)	28.4 (15-25)	66.4 (25+)
Calcium (Ca), ppm	1796	1201					
Ca, % Base Saturation	58.4	9.3	5.0 <td>31.7 (45-55)</td> <td>58.5 (55-75)</td> <td>3.0 (75-85)</td> <td>1.9 (85+)</td>	31.7 (45-55)	58.5 (55-75)	3.0 (75-85)	1.9 (85+)
pH (1:1)	6.6	0.5	0.3 <td>8.4 (5.1-5.8)</td> <td>70.3 (5.9-6.9)</td> <td>17.4 (7.0-7.5)</td> <td>3.6<br (>7.5)<="" td=""/></td>	8.4 (5.1-5.8)	70.3 (5.9-6.9)	17.4 (7.0-7.5)	3.6
CEC, meq/100g	15.0	6.2		4.9 <td>54.4 (3.1-8.0)</td> <td>37.4 (8.1-15.0)</td> <td>3.2 (15.1-25.0)</td>	54.4 (3.1-8.0)	37.4 (8.1-15.0)	3.2 (15.1-25.0)
Sulfur (S), ppm	8	5.6	3.6 <td>55.5 (4-7)</td> <td>36.9 (8-12)</td> <td>2.8 (13-17)</td> <td>1.2<br (>17)<="" td=""/></td>	55.5 (4-7)	36.9 (8-12)	2.8 (13-17)	1.2
Zinc (Zn), ppm	3.8	3.3		47.2 <td>35.5 (1.1-2.9)</td> <td>14.2 (3.0-4.9)</td> <td>3.1 (5.0-10.0)</td>	35.5 (1.1-2.9)	14.2 (3.0-4.9)	3.1 (5.0-10.0)
Manganese (Mn), ppm	41	14	0.9 <td>3.6 (6-14)</td> <td>6.3 (15-19)</td> <td>68.0 (20-49)</td> <td>21.2<br (>49)<="" td=""/></td>	3.6 (6-14)	6.3 (15-19)	68.0 (20-49)	21.2
Iron (Fe), ppm	36	24		1.9 <td>2.2 (5-9)</td> <td>78.6 (10-50)</td> <td>17.3 (>50)</td>	2.2 (5-9)	78.6 (10-50)	17.3 (>50)
Copper (Cu), ppm	1.4	0.7		0.2 <td>36.3 (0.4-1.1)</td> <td>61.5 (1.2-3.0)</td> <td>2.1<br (>3.0)<="" td=""/></td>	36.3 (0.4-1.1)	61.5 (1.2-3.0)	2.1
Boron (B), ppm	0.6	0.4	35.6 <td>29.3 (0.4-0.5)</td> <td>28.7 (0.6-1.2)</td> <td>5.5 (1.3-2.5)</td> <td>0.8<br (>2.5)<="" td=""/></td>	29.3 (0.4-0.5)	28.7 (0.6-1.2)	5.5 (1.3-2.5)	0.8
Nitrate (NO ₃ -N), ppm	17.5	13.3	3.1 <td>18.7 (5-9)</td> <td>50.7 (10-19)</td> <td>19.8 (20-39)</td> <td>7.6<br (>39)<="" td=""/></td>	18.7 (5-9)	50.7 (10-19)	19.8 (20-39)	7.6
Ammonium (NH ₄ -N), ppm	5.6	9.4	18.1 <td>75.1 (5-9)</td> <td>4.5 (10-19)</td> <td>1.4 (20-39)</td> <td>0.8<br (>39)<="" td=""/></td>	75.1 (5-9)	4.5 (10-19)	1.4 (20-39)	0.8