



a&lgreatlakes
LABORATORIES

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Ohio

2020 SOIL TEST DATA SUMMARY

Soil Test	Statistics		Percent Samples by Soil Test Rating				
	Average	Std. Dev.	Very Low (<1.0)	Low (1.0-2.5)	Medium (2.5-5.0)	High (5.0-7.0)	Very High (7.0+)
Organic Matter, %	3.4	2.1	0.2 (<10)	21.3 (10-20)	73.4 (20-30)	4.0 (30-50)	1.1 (50+)
Phosphorus (P1), ppm	35	36	8.4 <td>26.0 (14-29)</td> <td>23.9 (29-44)</td> <td>24.3 (44-74)</td> <td>17.3 (74+)</td>	26.0 (14-29)	23.9 (29-44)	24.3 (44-74)	17.3 (74+)
Phosphorus (P2), ppm	60	50	5.0 <td>17.2 (5-15)</td> <td>21.2 (15-25)</td> <td>31.4 (25-45)</td> <td>25.2 (45+)</td>	17.2 (5-15)	21.2 (15-25)	31.4 (25-45)	25.2 (45+)
Bicarbonate P, ppm	131	84				20.0	80.0
Potassium (K), ppm	137	55					
K, % Base Saturation	3.1	1.4	0.5 <td>6.9 (0.85-1.69)</td> <td>58.3 (1.70-3.37)</td> <td>30.1 (3.38-5.06)</td> <td>4.5<br (>5.06)<="" td=""/></td>	6.9 (0.85-1.69)	58.3 (1.70-3.37)	30.1 (3.38-5.06)	4.5
Magnesium (Mg), ppm	289	125					
Mg, % Base Saturation	20.2	5.7	0.3 <td>2.1 (5-10)</td> <td>14.6 (10-15)</td> <td>64.3 (15-25)</td> <td>18.7 (25+)</td>	2.1 (5-10)	14.6 (10-15)	64.3 (15-25)	18.7 (25+)
Calcium (Ca), ppm	1547	790					
Ca, % Base Saturation	63.3	10.3	4.3 <td>14.5 (45-55)</td> <td>69.4 (55-75)</td> <td>10.3 (75-85)</td> <td>1.5 (85+)</td>	14.5 (45-55)	69.4 (55-75)	10.3 (75-85)	1.5 (85+)
pH (1:1)	6.5	0.6	0.7 <td>12.9 (5.1-5.8)</td> <td>66.4 (5.9-6.9)</td> <td>16.5 (7.0-7.5)</td> <td>3.5<br (>7.5)<="" td=""/></td>	12.9 (5.1-5.8)	66.4 (5.9-6.9)	16.5 (7.0-7.5)	3.5
CEC, meq/100g	12.0	4.6	0.2 <td>18.2 (3.1-8.0)</td> <td>58.4 (8.1-15.0)</td> <td>22.5 (15.1-25.0)</td> <td>0.7<br (>25.0)<="" td=""/></td>	18.2 (3.1-8.0)	58.4 (8.1-15.0)	22.5 (15.1-25.0)	0.7
Sulfur (S), ppm	9	15.4	1.5 <td>45.3 (4-7)</td> <td>45.6 (8-12)</td> <td>5.2 (13-17)</td> <td>2.4<br (>17)<="" td=""/></td>	45.3 (4-7)	45.6 (8-12)	5.2 (13-17)	2.4
Zinc (Zn), ppm	3.2	3.5		61.0 <td>29.8 (1.1-2.9)</td> <td>7.8 (3.0-4.9)</td> <td>1.5<br (>10.0)<="" td=""/></td>	29.8 (1.1-2.9)	7.8 (3.0-4.9)	1.5
Manganese (Mn), ppm	31	15	1.7 <td>15.5 (6-14)</td> <td>24.2 (15-19)</td> <td>49.2 (20-49)</td> <td>9.3<br (>49)<="" td=""/></td>	15.5 (6-14)	24.2 (15-19)	49.2 (20-49)	9.3
Iron (Fe), ppm	52	24		0.1 <td>0.3 (5-9)</td> <td>54.9 (10-50)</td> <td>44.8<br (>50)<="" td=""/></td>	0.3 (5-9)	54.9 (10-50)	44.8
Copper (Cu), ppm	2.3	1.1		0.1 <td>12.6 (0.4-1.1)</td> <td>68.9 (1.2-3.0)</td> <td>18.4<br (>3.0)<="" td=""/></td>	12.6 (0.4-1.1)	68.9 (1.2-3.0)	18.4
Boron (B), ppm	0.6	0.4	27.5 <td>24.7 (0.4-0.5)</td> <td>44.0 (0.6-1.2)</td> <td>3.7 (1.3-2.5)</td> <td>0.1<br (>2.5)<="" td=""/></td>	24.7 (0.4-0.5)	44.0 (0.6-1.2)	3.7 (1.3-2.5)	0.1
Nitrate (NO ₃ -N), ppm	23.5	21.4	5.7 <td>25.8 (5-9)</td> <td>22.7 (10-19)</td> <td>26.8 (20-39)</td> <td>19.1<br (>39)<="" td=""/></td>	25.8 (5-9)	22.7 (10-19)	26.8 (20-39)	19.1
Ammonium (NH ₄ -N), ppm	12.6	27.1	33.7 <td>46.6 (5-9)</td> <td>6.7 (10-19)</td> <td>2.5 (20-39)</td> <td>10.4<br (>39)<="" td=""/></td>	46.6 (5-9)	6.7 (10-19)	2.5 (20-39)	10.4