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LABORATORIES

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# Northeast Ohio

## 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	1.5	0.1 (<1.0)	19.8 (1.0-2.5)	74.3 (2.5-5.0)	4.6 (5.0-7.0)	1.3 (7.0+)
Phosphorus (P1), ppm	33	40	13.3 <td>28.2 (10-20)</td> <td>21.4 (20-30)</td> <td>21.5 (30-50)</td> <td>15.6 (50+)</td>	28.2 (10-20)	21.4 (20-30)	21.5 (30-50)	15.6 (50+)
Phosphorus (P2), ppm	82	113	15.4 <td>25.3 (14-29)</td> <td>10.9 (29-44)</td> <td>16.3 (44-74)</td> <td>32.2 (74+)</td>	25.3 (14-29)	10.9 (29-44)	16.3 (44-74)	32.2 (74+)
Potassium (K), ppm	138	71					
K, % Base Saturation	3.5	1.7	0.6 <td>9.3 (0.93-1.85)</td> <td>54.5 (1.86-3.69)</td> <td>27.3 (3.70-5.54)</td> <td>8.5<br (&gt;5.54)<="" td=""/></td>	9.3 (0.93-1.85)	54.5 (1.86-3.69)	27.3 (3.70-5.54)	8.5 
Magnesium (Mg), ppm	271	129					
Mg, % Base Saturation	21.0	6.0	0.3 <td>2.0 (5-10)</td> <td>13.3 (10-15)</td> <td>61.5 (15-25)</td> <td>22.9 (25+)</td>	2.0 (5-10)	13.3 (10-15)	61.5 (15-25)	22.9 (25+)
Calcium (Ca), ppm	1345	719					
Ca, % Base Saturation	61.6	11.0	7.1 <td>17.4 (45-55)</td> <td>65.1 (55-75)</td> <td>8.9 (75-85)</td> <td>1.4 (85+)</td>	17.4 (45-55)	65.1 (55-75)	8.9 (75-85)	1.4 (85+)
pH (1:1)	6.5	0.6	0.8 <td>14.8 (5.1-5.8)</td> <td>64.4 (5.9-6.0)</td> <td>17.4 (7.0-7.5)</td> <td>2.6<br (&gt;7.5)<="" td=""/></td>	14.8 (5.1-5.8)	64.4 (5.9-6.0)	17.4 (7.0-7.5)	2.6 
CEC, meq/100g	10.7	4.2	0.1 <td>28.5 (3.1-8.0)</td> <td>56.4 (8.1-15.0)</td> <td>14.4 (15.1-25.0)</td> <td>0.5<br (&gt;25.0)<="" td=""/></td>	28.5 (3.1-8.0)	56.4 (8.1-15.0)	14.4 (15.1-25.0)	0.5 
Sulfur (S), ppm	8	14.3	1.5 <td>51.5 (4-7)</td> <td>41.4 (8-12)</td> <td>3.4 (13-17)</td> <td>2.2<br (&gt;17)<="" td=""/></td>	51.5 (4-7)	41.4 (8-12)	3.4 (13-17)	2.2 
Zinc (Zn), ppm	3.1	3.3		67.3 <td>25.1 (1.1-2.9)</td> <td>6.2 (3.0-4.9)</td> <td>1.5<br (&gt;10.0)<="" td=""/></td>	25.1 (1.1-2.9)	6.2 (3.0-4.9)	1.5 
Manganese (Mn), ppm	37	17	0.9 <td>9.3 (6-14)</td> <td>19.5 (15-19)</td> <td>50.2 (20-49)</td> <td>20.1<br (&gt;49)<="" td=""/></td>	9.3 (6-14)	19.5 (15-19)	50.2 (20-49)	20.1 
Iron (Fe), ppm	44	24		0.1 <td>0.2 (5-9)</td> <td>68.8 (10-50)</td> <td>30.9<br (&gt;50)<="" td=""/></td>	0.2 (5-9)	68.8 (10-50)	30.9 
Copper (Cu), ppm	1.6	1.1		0.1 <td>31.5 (0.4-1.1)</td> <td>62.1 (1.2-3.0)</td> <td>6.3<br (&gt;3.0)<="" td=""/></td>	31.5 (0.4-1.1)	62.1 (1.2-3.0)	6.3 
Boron (B), ppm	0.6	0.5	37.0 <td>22.6 (0.4-0.5)</td> <td>35.3 (0.6-1.2)</td> <td>4.7 (1.3-2.5)</td> <td>0.4<br (&gt;2.5)<="" td=""/></td>	22.6 (0.4-0.5)	35.3 (0.6-1.2)	4.7 (1.3-2.5)	0.4 
Nitrate (NO <sub>3</sub> -N), ppm	22.6	19.9	8.3 <td>20.8 (5-9)</td> <td>29.2 (10-19)</td> <td>20.8 (20-39)</td> <td>20.8<br (&gt;39)<="" td=""/></td>	20.8 (5-9)	29.2 (10-19)	20.8 (20-39)	20.8 
Ammonium (NH <sub>4</sub> -N), ppm	6.2	4.7	30.0 <td>60.0 (5-9)</td> <td>5.0 (10-19)</td> <td>5.0 (20-39)</td> <td></td>	60.0 (5-9)	5.0 (10-19)	5.0 (20-39)	