



Northeast Ohio

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,%	3.6	2.9	<small><1.0</small> 0.1	<small>1.0-2.5</small> 21.4	<small>2.5-5.0</small> 70.9	<small>5.0-7.0</small> 5.5	<small>7.0+</small> 2.1
Phosphorus (P1), ppm	33	36	<small><10</small> 11.4	<small>10-20</small> 26.0	<small>20-30</small> 22.9	<small>30-50</small> 23.8	<small>50+</small> 15.9
Phosphorus (P2), ppm	63	80	<small><14</small> 11.8	<small>14-29</small> 23.0	<small>29-44</small> 18.9	<small>44-74</small> 22.1	<small>74+</small> 24.1
Bicarbonate P, ppm	45	1	<small><5</small>	<small>5-15</small>	<small>15-25</small>	<small>25-45</small> 50.0	<small>45+</small> 50.0
Potassium (K), ppm	132	59					
K, % Base Saturation	3.2	1.4	<small><0.90</small> 0.6	<small>0.90-1.79</small> 10.0	<small>1.80-3.57</small> 57.0	<small>3.58-5.36</small> 27.6	<small>5.36+</small> 4.9
Magnesium (Mg), ppm	268	114					
Mg, % Base Saturation	20.4	6.0	<small><5</small> 0.6	<small>5-10</small> 2.8	<small>10-15</small> 13.9	<small>15-25</small> 62.5	<small>25+</small> 20.3
Calcium (Ca), ppm	1429	891					
Ca, % Base Saturation	62.7	10.5	<small><45</small> 4.9	<small>45-55</small> 16.0	<small>55-75</small> 68.7	<small>75-85</small> 8.4	<small>85+</small> 2.1
pH (1:1)	6.5	0.6	<small><5.1</small> 0.7	<small>5.1-5.8</small> 13.8	<small>5.9-6.9</small> 67.3	<small>7.0-7.5</small> 15.4	<small>>7.5</small> 2.8
CEC, meq/100g	11.2	4.9	<small><3.1</small> 0.1	<small>3.1-8.0</small> 23.0	<small>8.1-15.0</small> 62.0	<small>15.1-25.0</small> 14.0	<small>>25.0</small> 0.9
Sulfur (S), ppm	8	10.8	<small><4</small> 1.9	<small>4-7</small> 49.6	<small>8-12</small> 42.1	<small>13-17</small> 4.5	<small>>17</small> 2.0
Zinc (Zn), ppm	3.1	4.5	<small><1.0</small>	<small>1.1-2.9</small> 67.5	<small>3.0-4.9</small> 24.7	<small>5.0-10.0</small> 6.3	<small>>10.0</small> 1.4
Manganese (Mn), ppm	33	16	<small><6</small> 1.9	<small>6-14</small> 11.6	<small>15-19</small> 20.7	<small>20-49</small> 52.4	<small>>49</small> 13.4
Iron (Fe), ppm	47	27		<small><5</small> 0.1	<small>5-9</small> 0.8	<small>10-50</small> 65.5	<small>>50</small> 33.6
Copper (Cu), ppm	1.8	1.1		<small><0.4</small> 0.2	<small>0.4-1.1</small> 30.3	<small>1.2-3.0</small> 60.2	<small>>3.0</small> 9.3
Boron (B), ppm	0.5	0.3	<small><0.4</small> 37.2	<small>0.4-0.5</small> 25.3	<small>0.6-1.2</small> 34.1	<small>1.3-2.5</small> 3.4	<small>>2.5</small> 0.1
Nitrate (NO ₃ -N), ppm	30.8	19.6	<small><5</small> 7.0	<small>5-9</small> 7.0	<small>10-19</small> 15.8	<small>20-39</small> 40.4	<small>>39</small> 29.8
Ammonium (NH ₄ -N), ppm	4.1	2.3	<small><5</small> 30.0	<small>5-9</small> 66.7	<small>10-19</small> 3.3	<small>20-39</small>	<small>>39</small>