

Northeast Ohio

2019 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,%	3.3	1.9	<small><1.0</small> 0.1	<small>1.0-2.5</small> 25.8	<small>2.5-5.0</small> 67.7	<small>5.0-7.0</small> 4.9	<small>7.0+</small> 1.6
Phosphorus (P1), ppm	32	38	<small><10</small> 12.9	<small>10-20</small> 28.2	<small>20-30</small> 22.0	<small>30-50</small> 22.0	<small>50+</small> 14.9
Phosphorus (P2), ppm	75	70	<small><14</small> 4.7	<small>14-29</small> 17.6	<small>29-44</small> 17.1	<small>44-74</small> 27.8	<small>74+</small> 32.8
Bicarbonate P, ppm	37	26	<small><5</small> 18.2	<small>5-15</small> 9.1	<small>15-25</small>	<small>25-45</small> 45.5	<small>45+</small> 27.3
Potassium (K), ppm	127	75					
K, % Base Saturation	3.2	1.5	<small><0.94</small> 0.6	<small>0.94-1.86</small> 12.1	<small>1.87-3.73</small> 58.6	<small>3.74-5.59</small> 23.4	<small>5.59+</small> 5.4
Magnesium (Mg), ppm	257	117					
Mg, % Base Saturation	20.4	6.0	<small><5</small> 0.6	<small>5-10</small> 3.0	<small>10-15</small> 13.8	<small>15-25</small> 62.9	<small>25+</small> 19.6
Calcium (Ca), ppm	1354	1028					
Ca, % Base Saturation	62.3	10.7	<small><45</small> 5.6	<small>45-55</small> 16.7	<small>55-75</small> 67.1	<small>75-85</small> 8.6	<small>85+</small> 2.0
pH (1:1)	6.4	0.6	<small><5.1</small> 0.7	<small>5.1-5.8</small> 14.7	<small>5.9-6.9</small> 66.0	<small>7.0-7.5</small> 16.1	<small>>7.5</small> 2.5
CEC, meq/100g	10.6	4.8	<small><3.1</small> 0.1	<small>3.1-8.0</small> 27.2	<small>8.1-15.0</small> 61.5	<small>15.1-25.0</small> 10.6	<small>>25.0</small> 0.5
Sulfur (S), ppm	9	14.0	<small><4</small> 1.3	<small>4-7</small> 51.0	<small>8-12</small> 42.5	<small>13-17</small> 3.7	<small>>17</small> 1.4
Zinc (Zn), ppm	3.0	3.0	<small><1.0</small>	<small>1.1-2.9</small> 68.4	<small>3.0-4.9</small> 24.7	<small>5.0-10.0</small> 5.4	<small>>10.0</small> 1.5
Manganese (Mn), ppm	36	15	<small><6</small> 0.6	<small>6-14</small> 9.0	<small>15-19</small> 19.7	<small>20-49</small> 54.0	<small>>49</small> 16.8
Iron (Fe), ppm	49	26		<small><5</small> 0.3	<small>5-9</small> 0.6	<small>10-50</small> 62.3	<small>>50</small> 36.8
Copper (Cu), ppm	1.8	0.9		<small><0.4</small>	<small>0.4-1.1</small> 27.4	<small>1.2-3.0</small> 64.4	<small>>3.0</small> 8.2
Boron (B), ppm	0.5	0.3	<small><0.4</small> 40.7	<small>0.4-0.5</small> 24.6	<small>0.6-1.2</small> 32.3	<small>1.3-2.5</small> 2.3	<small>>2.5</small> 0.1
Nitrate (NO ₃ -N), ppm	21.8	10.4	<small><5</small>	<small>5-9</small> 10.7	<small>10-19</small> 32.1	<small>20-39</small> 53.6	<small>>39</small> 3.6
Ammonium (NH ₄ -N), ppm	8.6	8.7	<small><5</small> 42.9	<small>5-9</small> 23.8	<small>10-19</small> 19.0	<small>20-39</small> 14.3	<small>>39</small>