



Northern Ohio

2021 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	2.2	<small><1.0</small> 0.1	<small>1.0-2.5</small> 21.6	<small>2.5-5.0</small> 73.5	<small>5.0-7.0</small> 4.0	<small>7.0+</small> 0.8
Phosphorus (P1), ppm	34	37	<small><10</small> 8.3	<small>10-20</small> 27.1	<small>20-30</small> 24.3	<small>30-50</small> 24.3	<small>50+</small> 16.0
Phosphorus (P2), ppm	53	49	<small><14</small> 6.3	<small>14-29</small> 21.6	<small>29-44</small> 22.2	<small>44-74</small> 30.9	<small>74+</small> 18.9
Bicarbonate P, ppm	38	39	<small><5</small>	<small>5-15</small>	<small>15-25</small> 28.2	<small>25-45</small> 59.0	<small>45+</small> 12.8
Potassium (K), ppm	140	66					
K, % Base Saturation	3.1	1.3	<small><0.84</small> 0.2	<small>0.84-1.67</small> 5.6	<small>1.68-3.33</small> 58.2	<small>3.34-5.00</small> 31.4	<small>>5.00</small> 4.6
Magnesium (Mg), ppm	295	123					
Mg, % Base Saturation	20.2	5.7	<small><5</small> 0.3	<small>5-10</small> 2.0	<small>10-15</small> 14.6	<small>15-25</small> 64.1	<small>25+</small> 19.0
Calcium (Ca), ppm	1580	815					
Ca, % Base Saturation	63.7	10.2	<small><45</small> 4.1	<small>45-55</small> 14.1	<small>55-75</small> 69.4	<small>75-85</small> 10.9	<small>85+</small> 1.4
pH (1:1)	6.5	0.6	<small><5.1</small> 0.7	<small>5.1-5.8</small> 12.2	<small>5.9-6.9</small> 66.2	<small>7.0-7.5</small> 17.2	<small>>7.5</small> 3.7
CEC, meq/100g	12.2	4.5	<small><3.1</small> 0.1	<small>3.1-8.0</small> 14.5	<small>8.1-15.0</small> 62.6	<small>15.1-25.0</small> 22.1	<small>>25.0</small> 0.6
Sulfur (S), ppm	9	29.0	<small><4</small> 2.1	<small>4-7</small> 47.2	<small>8-12</small> 44.8	<small>13-17</small> 3.9	<small>>17</small> 2.1
Zinc (Zn), ppm	3.1	4.0	<small><1.0</small>	<small>1.1-2.9</small> 64.4	<small>3.0-4.9</small> 27.0	<small>5.0-10.0</small> 7.2	<small>>10.0</small> 1.4
Manganese (Mn), ppm	32	14	<small><6</small> 1.0	<small>6-14</small> 12.3	<small>15-19</small> 23.0	<small>20-49</small> 53.5	<small>>49</small> 10.2
Iron (Fe), ppm	55	27		<small><5</small> 0.1	<small>5-9</small> 0.5	<small>10-50</small> 51.1	<small>>50</small> 48.4
Copper (Cu), ppm	2.2	1.2		<small><0.4</small> 0.1	<small>0.4-1.1</small> 15.5	<small>1.2-3.0</small> 65.2	<small>>3.0</small> 19.2
Boron (B), ppm	0.6	1.6	<small><0.4</small> 30.2	<small>0.4-0.5</small> 24.9	<small>0.6-1.2</small> 40.9	<small>1.3-2.5</small> 3.9	<small>>2.5</small> 0.2
Nitrate (NO3-N), ppm	15.0	12.1	<small><5</small> 7.7	<small>5-9</small> 38.5	<small>10-19</small> 25.0	<small>20-39</small> 23.1	<small>>39</small> 5.8
Ammonium (NH4-N), ppm	3.2	1.4	<small><5</small> 60.0	<small>5-9</small> 40.0	<small>10-19</small>	<small>20-39</small>	<small>>39</small>