

Northwest 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	1.2	<small><1.0</small> 0.2	<small>1.0-2.5</small> 22.1	<small>2.5-5.0</small> 73.9	<small>5.0-7.0</small> 3.2	<small>7.0+</small> 0.6
Phosphorus (P1), ppm	37	42	<small><10</small> 7.4	<small>10-20</small> 25.6	<small>20-30</small> 23.2	<small>30-50</small> 24.3	<small>50+</small> 19.5
Phosphorus (P2), ppm	57	47	<small><14</small> 6.9	<small>14-29</small> 19.0	<small>29-44</small> 20.0	<small>44-74</small> 31.0	<small>74+</small> 23.2
Bicarbonate P, ppm	31	43	<small><5</small> 7.4	<small>5-15</small> 44.4	<small>15-25</small> 18.5	<small>25-45</small> 14.8	<small>45+</small> 14.8
Potassium (K), ppm	144	53					
K, % Base Saturation	3.0	1.2	<small><0.80</small> 0.5	<small>0.80-1.59</small> 4.4	<small>1.60-3.18</small> 57.3	<small>3.19-4.77</small> 33.6	<small>>4.77</small> 4.6
Magnesium (Mg), ppm	320	140					
Mg, % Base Saturation	20.6	5.9	<small><5</small> 0.2	<small>5-10</small> 1.8	<small>10-15</small> 14.4	<small>15-25</small> 61.9	<small>25+</small> 21.7
Calcium (Ca), ppm	1680	877					
Ca, % Base Saturation	63.8	10.2	<small><45</small> 4.0	<small>45-55</small> 13.7	<small>55-75</small> 69.9	<small>75-85</small> 10.8	<small>85+</small> 1.5
pH (1:1)	6.5	0.6	<small><5.1</small> 0.6	<small>5.1-5.8</small> 11.4	<small>5.9-6.9</small> 66.7	<small>7.0-7.5</small> 17.9	<small>>7.5</small> 3.5
CEC, meq/100g	13.0	4.8	<small><3.1</small> 0.2	<small>3.1-8.0</small> 11.4	<small>8.1-15.0</small> 57.9	<small>15.1-25.0</small> 29.9	<small>>25.0</small> 0.7
Sulfur (S), ppm	10	20.0	<small><4</small> 0.9	<small>4-7</small> 42.5	<small>8-12</small> 49.7	<small>13-17</small> 4.2	<small>>17</small> 2.8
Zinc (Zn), ppm	3.4	3.1	<small><1.0</small> 0.9	<small>1.1-2.9</small> 57.5	<small>3.0-4.9</small> 31.2	<small>5.0-10.0</small> 9.2	<small>>10.0</small> 2.1
Manganese (Mn), ppm	29	13	<small><6</small> 1.0	<small>6-14</small> 16.8	<small>15-19</small> 28.7	<small>20-49</small> 48.0	<small>>49</small> 5.5
Iron (Fe), ppm	58	26		<small><5</small> 0.1	<small>5-9</small> 0.2	<small>10-50</small> 43.8	<small>>50</small> 55.9
Copper (Cu), ppm	2.3	1.1		<small><0.4</small> 0.1	<small>0.4-1.1</small> 10.8	<small>1.2-3.0</small> 65.9	<small>>3.0</small> 23.3
Boron (B), ppm	0.7	0.3	<small><0.4</small> 19.7	<small>0.4-0.5</small> 23.1	<small>0.6-1.2</small> 52.3	<small>1.3-2.5</small> 4.8	<small>>2.5</small> 0.1
Nitrate (NO ₃ -N), ppm	15.5	16.5	<small><5</small> 7.3	<small>5-9</small> 38.0	<small>10-19</small> 32.7	<small>20-39</small> 12.0	<small>>39</small> 10.0
Ammonium (NH ₄ -N), ppm	4.6	5.9	<small><5</small> 52.7	<small>5-9</small> 42.7	<small>10-19</small> 1.8	<small>20-39</small> 1.8	<small>>39</small> 0.9