



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	1.3	<small><1.0</small> 0.1	<small>1.0-2.5</small> 23.6	<small>2.5-5.0</small> 71.9	<small>5.0-7.0</small> 3.6	<small>7.0+</small> 0.8
Phosphorus (P1), ppm	35	40	<small><10</small> 9.6	<small>10-20</small> 27.1	<small>20-30</small> 22.7	<small>30-50</small> 23.0	<small>50+</small> 17.6
Phosphorus (P2), ppm	60	52	<small><14</small> 6.6	<small>14-29</small> 18.8	<small>29-44</small> 19.5	<small>44-74</small> 30.4	<small>74+</small> 24.7
Bicarbonate P, ppm	33	39	<small><5</small> 10.5	<small>5-15</small> 34.2	<small>15-25</small> 13.2	<small>25-45</small> 23.7	<small>45+</small> 18.4
Potassium (K), ppm	137	59					
K, % Base Saturation	3.1	1.3	<small><0.85</small> 0.5	<small>0.86-1.70</small> 7.3	<small>1.71-3.39</small> 58.4	<small>3.40-5.09</small> 29.2	<small>>5.09</small> 4.9
Magnesium (Mg), ppm	292	135					
Mg, % Base Saturation	20.5	5.8	<small><5</small> 0.3	<small>5-10</small> 2.1	<small>10-15</small> 14.0	<small>15-25</small> 63.4	<small>25+</small> 20.2
Calcium (Ca), ppm	1538	885					
Ca, % Base Saturation	63.4	10.3	<small><45</small> 4.4	<small>45-55</small> 14.2	<small>55-75</small> 69.7	<small>75-85</small> 10.1	<small>85+</small> 1.6
pH (1:1)	6.5	0.6	<small><5.1</small> 0.6	<small>5.1-5.8</small> 12.1	<small>5.9-6.9</small> 67.0	<small>7.0-7.5</small> 17.3	<small>>7.5</small> 2.9
CEC, meq/100g	11.9	4.8	<small><3.1</small> 0.2	<small>3.1-8.0</small> 19.2	<small>8.1-15.0</small> 57.7	<small>15.1-25.0</small> 22.3	<small>>25.0</small> 0.6
Sulfur (S), ppm	9	18.1	<small><4</small> 1.1	<small>4-7</small> 45.7	<small>8-12</small> 46.8	<small>13-17</small> 4.1	<small>>17</small> 2.3
Zinc (Zn), ppm	3.3	3.0	<small><1.0</small> 0.1	<small>1.1-2.9</small> 61.0	<small>3.0-4.9</small> 29.2	<small>5.0-10.0</small> 7.9	<small>>10.0</small> 1.9
Manganese (Mn), ppm	32	15	<small><6</small> 0.8	<small>6-14</small> 13.4	<small>15-19</small> 24.3	<small>20-49</small> 49.6	<small>>49</small> 11.8
Iron (Fe), ppm	56	26		<small><5</small> 0.2	<small>5-9</small> 0.3	<small>10-50</small> 47.8	<small>>50</small> 51.7
Copper (Cu), ppm	2.2	1.1		<small><0.4</small> 0.1	<small>0.4-1.1</small> 13.8	<small>1.2-3.0</small> 66.0	<small>>3.0</small> 20.2
Boron (B), ppm	0.6	0.3	<small><0.4</small> 27.8	<small>0.4-0.5</small> 24.0	<small>0.6-1.2</small> 44.2	<small>1.3-2.5</small> 3.8	<small>>2.5</small> 0.1
Nitrate (NO ₃ -N), ppm	16.2	15.6	<small><5</small> 6.4	<small>5-9</small> 34.0	<small>10-19</small> 33.0	<small>20-39</small> 18.1	<small>>39</small> 8.5
Ammonium (NH ₄ -N), ppm	5.1	6.4	<small><5</small> 51.1	<small>5-9</small> 40.4	<small>10-19</small> 4.3	<small>20-39</small> 3.5	<small>>39</small> 0.7