



Michigan

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,%	2.8	4.4	<small><1.0</small> 2.6	<small>1.0-2.5</small> 62.6	<small>2.5-5.0</small> 31.1	<small>5.0-7.0</small> 1.6	<small>7.0+</small> 2.1
Phosphorus (P1), ppm	58	68	<small><10</small> 3.5	<small>10-20</small> 12.9	<small>20-30</small> 16.2	<small>30-50</small> 27.0	<small>50+</small> 40.4
Phosphorus (P2), ppm	84	77	<small><14</small> 1.9	<small>14-29</small> 9.4	<small>29-44</small> 16.0	<small>44-74</small> 29.0	<small>74+</small> 43.8
Bicarbonate P, ppm	56	53	<small><5</small> 7.9	<small>5-15</small> 13.2	<small>15-25</small> 10.5	<small>25-45</small> 36.8	<small>45+</small> 31.6
Potassium (K), ppm	128	63					
K, % Base Saturation	4.3	2.1	<small><1.10</small> 1.3	<small>1.10-2.19</small> 11.1	<small>2.20-4.38</small> 52.9	<small>4.39-6.57</small> 27.7	<small>>6.57</small> 7.2
Magnesium (Mg), ppm	185	108					
Mg, % Base Saturation	17.9	5.6	<small><5</small> 1.2	<small>5-10</small> 6.4	<small>10-15</small> 22.3	<small>15-25</small> 60.7	<small>25+</small> 9.4
Calcium (Ca), ppm	1213	895					
Ca, % Base Saturation	67.1	12.8	<small><45</small> 4.8	<small>45-55</small> 11.0	<small>55-75</small> 55.0	<small>75-85</small> 25.2	<small>85+</small> 4.0
pH (1:1)	6.7	0.7	<small><5.1</small> 1.6	<small>5.1-5.8</small> 7.9	<small>5.9-6.9</small> 51.6	<small>7.0-7.5</small> 26.5	<small>>7.5</small> 12.5
CEC, meq/100g	8.7	5.0	<small><3.1</small> 2.7	<small>3.1-8.0</small> 50.0	<small>8.1-15.0</small> 39.7	<small>15.1-25.0</small> 6.4	<small>>25.0</small> 1.1
Sulfur (S), ppm	10	18.5	<small><4</small> 1.5	<small>4-7</small> 45.2	<small>8-12</small> 40.7	<small>13-17</small> 6.5	<small>>17</small> 6.2
Zinc (Zn), ppm	4.5	3.7	<small><1.0</small> 35.3	<small>1.1-2.9</small> 33.2	<small>3.0-4.9</small> 27.1	<small>5.0-10.0</small> 4.4	<small>>10.0</small>
Manganese (Mn), ppm	35	15	<small><6</small> 3.4	<small>6-14</small> 8.0	<small>15-19</small> 12.8	<small>20-49</small> 62.3	<small>>49</small> 13.5
Iron (Fe), ppm	44	25		<small><5</small> 0.4	<small>5-9</small> 0.6	<small>10-50</small> 71.2	<small>>50</small> 27.9
Copper (Cu), ppm	1.8	1.5		<small><0.4</small> 0.6	<small>0.4-1.1</small> 39.6	<small>1.2-3.0</small> 48.3	<small>>3.0</small> 11.5
Boron (B), ppm	0.6	0.5	<small><0.4</small> 38.4	<small>0.4-0.5</small> 19.9	<small>0.6-1.2</small> 32.7	<small>1.3-2.5</small> 8.7	<small>>2.5</small> 0.3
Nitrate (NO ₃ -N), ppm	17.4	26.0	<small><5</small> 15.5	<small>5-9</small> 17.9	<small>10-19</small> 35.6	<small>20-39</small> 24.0	<small>>39</small> 7.1
Ammonium (NH ₄ -N), ppm	10.5	74.1	<small><5</small> 71.9	<small>5-9</small> 25.2	<small>10-19</small> 0.7	<small>20-39</small>	<small>>39</small> 2.2