



Northwest Michigan

2022 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,%	3.0	4.7	<small><1.0</small> 1.6	<small>1.0-2.5</small> 59.4	<small>2.5-5.0</small> 34.3	<small>5.0-7.0</small> 1.9	<small>7.0+</small> 2.8
Phosphorus (P1), ppm	58	56	<small><10</small> 3.3	<small>10-20</small> 13.6	<small>20-30</small> 16.1	<small>30-50</small> 25.7	<small>50+</small> 41.4
Phosphorus (P2), ppm	69	62	<small><14</small> 4.0	<small>14-29</small> 15.2	<small>29-44</small> 18.4	<small>44-74</small> 30.7	<small>74+</small> 31.8
Bicarbonate P, ppm	37	31	<small><5</small> 5.9	<small>5-15</small> 11.8	<small>15-25</small> 17.6	<small>25-45</small> 52.9	<small>45+</small> 11.8
Potassium (K), ppm	128	71					
K, % Base Saturation	4.4	2.2	<small><1.14</small> 1.0	<small>1.14-2.26</small> 11.6	<small>2.27-4.52</small> 53.4	<small>4.53-6.78</small> 25.4	<small>>6.78</small> 8.6
Magnesium (Mg), ppm	182	113					
Mg, % Base Saturation	18.0	5.4	<small><5</small> 0.5	<small>5-10</small> 5.9	<small>10-15</small> 24.3	<small>15-25</small> 59.4	<small>25+</small> 9.9
Calcium (Ca), ppm	1133	849					
Ca, % Base Saturation	65.6	11.5	<small><45</small> 4.4	<small>45-55</small> 13.6	<small>55-75</small> 60.3	<small>75-85</small> 19.6	<small>85+</small> 2.1
pH (1:1)	6.6	0.7	<small><5.1</small> 0.9	<small>5.1-5.8</small> 11.5	<small>5.9-6.9</small> 54.0	<small>7.0-7.5</small> 25.6	<small>>7.5</small> 8.1
CEC, meq/100g	8.4	4.9	<small><3.1</small> 1.6	<small>3.1-8.0</small> 55.4	<small>8.1-15.0</small> 37.0	<small>15.1-25.0</small> 4.8	<small>>25.0</small> 1.2
Sulfur (S), ppm	11	15.6	<small><4</small> 0.4	<small>4-7</small> 22.9	<small>8-12</small> 56.8	<small>13-17</small> 14.0	<small>>17</small> 6.0
Zinc (Zn), ppm	4.9	4.8	<small><1.0</small> 33.9	<small>1.1-2.9</small> 33.4	<small>3.0-4.9</small> 25.7	<small>5.0-10.0</small> 6.9	<small>>10.0</small>
Manganese (Mn), ppm	34	13	<small><6</small> 1.2	<small>6-14</small> 9.3	<small>15-19</small> 16.4	<small>20-49</small> 64.1	<small>>49</small> 9.0
Iron (Fe), ppm	47	23		<small><5</small> 0.2	<small>5-9</small> 0.5	<small>10-50</small> 65.1	<small>>50</small> 34.2
Copper (Cu), ppm	2.3	2.7		<small><0.4</small> 2.0	<small>0.4-1.1</small> 35.6	<small>1.2-3.0</small> 41.6	<small>>3.0</small> 20.7
Boron (B), ppm	0.5	0.5	<small><0.4</small> 40.7	<small>0.4-0.5</small> 24.8	<small>0.6-1.2</small> 28.6	<small>1.3-2.5</small> 5.5	<small>>2.5</small> 0.5
Nitrate (NO3-N), ppm	14.3	25.3	<small><5</small> 30.3	<small>5-9</small> 27.6	<small>10-19</small> 22.1	<small>20-39</small> 14.5	<small>>39</small> 5.5
Ammonium (NH4-N), ppm	9.0	12.5	<small><5</small> 37.9	<small>5-9</small> 31.0	<small>10-19</small> 13.8	<small>20-39</small> 10.3	<small>>39</small> 6.9