



Northern 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,% | 3.3 | 6.6 | <small><1.0</small> 2.1 | <small>1.0-2.5</small> 60.3 | <small>2.5-5.0</small> 32.7 | <small>5.0-7.0</small> 1.7 | <small>7.0+</small> 3.4 |
| Phosphorus (P1), ppm | 54 | 48 | <small><10</small> 3.3 | <small>10-20</small> 13.6 | <small>20-30</small> 16.4 | <small>30-50</small> 27.3 | <small>50+</small> 39.4 |
| Phosphorus (P2), ppm | 81 | 58 | <small><14</small> 2.4 | <small>14-29</small> 11.3 | <small>29-44</small> 12.8 | <small>44-74</small> 27.1 | <small>74+</small> 46.4 |
| Bicarbonate P, ppm | 29 | 18 | <small><5</small> 0.9 | <small>5-15</small> 24.8 | <small>15-25</small> 26.5 | <small>25-45</small> 33.6 | <small>45+</small> 14.2 |
| Potassium (K), ppm | 132 | 65 | | | | | |
| K, % Base Saturation | 4.2 | 2.1 | <small><1.05</small> 0.8 | <small>1.05-2.08</small> 10.0 | <small>2.09-4.17</small> 53.3 | <small>4.18-6.25</small> 28.2 | <small>>6.25</small> 7.8 |
| Magnesium (Mg), ppm | 193 | 113 | | | | | |
| Mg, % Base Saturation | 17.7 | 5.1 | <small><5</small> 0.5 | <small>5-10</small> 5.9 | <small>10-15</small> 24.2 | <small>15-25</small> 61.7 | <small>25+</small> 7.7 |
| Calcium (Ca), ppm | 1301 | 1033 | | | | | |
| Ca, % Base Saturation | 67.8 | 11.6 | <small><45</small> 3.4 | <small>45-55</small> 11.3 | <small>55-75</small> 55.1 | <small>75-85</small> 26.5 | <small>85+</small> 3.7 |
| pH (1:1) | 6.7 | 0.7 | <small><5.1</small> 0.7 | <small>5.1-5.8</small> 9.3 | <small>5.9-6.9</small> 49.3 | <small>7.0-7.5</small> 26.7 | <small>>7.5</small> 14.0 |
| CEC, meq/100g | 9.2 | 5.8 | <small><3.1</small> 1.5 | <small>3.1-8.0</small> 48.1 | <small>8.1-15.0</small> 41.8 | <small>15.1-25.0</small> 6.5 | <small>>25.0</small> 2.2 |
| Sulfur (S), ppm | 12 | 18.4 | <small><4</small> 0.4 | <small>4-7</small> 22.6 | <small>8-12</small> 56.2 | <small>13-17</small> 12.7 | <small>>17</small> 8.2 |
| Zinc (Zn), ppm | 4.9 | 4.0 | <small><1.0</small> | <small>1.1-2.9</small> 31.0 | <small>3.0-4.9</small> 33.9 | <small>5.0-10.0</small> 29.0 | <small>>10.0</small> 6.1 |
| Manganese (Mn), ppm | 35 | 14 | <small><6</small> 1.7 | <small>6-14</small> 8.2 | <small>15-19</small> 14.8 | <small>20-49</small> 63.0 | <small>>49</small> 12.3 |
| Iron (Fe), ppm | 45 | 26 | | <small><5</small> 0.3 | <small>5-9</small> 0.5 | <small>10-50</small> 70.2 | <small>>50</small> 29.0 |
| Copper (Cu), ppm | 2.0 | 2.2 | | <small><0.4</small> 1.3 | <small>0.4-1.1</small> 42.0 | <small>1.2-3.0</small> 41.3 | <small>>3.0</small> 15.4 |
| Boron (B), ppm | 0.7 | 0.6 | <small><0.4</small> 30.7 | <small>0.4-0.5</small> 22.6 | <small>0.6-1.2</small> 35.5 | <small>1.3-2.5</small> 9.9 | <small>>2.5</small> 1.3 |
| Nitrate (NO3-N), ppm | 14.8 | 26.4 | <small><5</small> 21.1 | <small>5-9</small> 36.3 | <small>10-19</small> 27.4 | <small>20-39</small> 9.4 | <small>>39</small> 5.8 |
| 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 |