



Southwest Michigan

2018 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 | 5.6 | <small><1.0</small> 2.8 | <small>1.0-2.5</small> 69.7 | <small>2.5-5.0</small> 22.7 | <small>5.0-7.0</small> 1.4 | <small>7.0+</small> 3.4 |
| Phosphorus (P1), ppm | 62 | 64 | <small><10</small> 3.2 | <small>10-20</small> 12.6 | <small>20-30</small> 15.9 | <small>30-50</small> 24.8 | <small>50+</small> 43.6 |
| Phosphorus (P2), ppm | 92 | 88 | <small><14</small> 18.2 | <small>14-29</small> 9.1 | <small>29-44</small> 9.1 | <small>44-74</small> 9.1 | <small>74+</small> 54.5 |
| Bicarbonate P, ppm | 36 | 4 | <small><5</small> | <small>5-15</small> | <small>15-25</small> | <small>25-45</small> 100.0 | <small>45+</small> |
| Potassium (K), ppm | 126 | 59 | | | | | |
| K, % Base Saturation | 5.1 | 2.5 | <small><1.25</small> 2.1 | <small>1.25-2.48</small> 10.6 | <small>2.49-4.97</small> 51.7 | <small>4.98-7.45</small> 28.4 | <small>>7.45</small> 8.1 |
| Magnesium (Mg), ppm | 153 | 94 | | | | | |
| Mg, % Base Saturation | 17.8 | 6.0 | <small><5</small> 1.3 | <small>5-10</small> 7.2 | <small>10-15</small> 25.4 | <small>15-25</small> 54.7 | <small>25+</small> 11.4 |
| Calcium (Ca), ppm | 991 | 978 | | | | | |
| Ca, % Base Saturation | 63.6 | 13.2 | <small><45</small> 7.5 | <small>45-55</small> 15.6 | <small>55-75</small> 58.2 | <small>75-85</small> 16.1 | <small>85+</small> 2.6 |
| pH (1:1) | 6.5 | 0.6 | <small><5.1</small> 1.9 | <small>5.1-5.8</small> 10.6 | <small>5.9-6.0</small> 64.3 | <small>7.0-7.5</small> 20.7 | <small>>7.5</small> 2.4 |
| CEC, meq/100g | 7.5 | 5.3 | <small><3.1</small> 4.1 | <small>3.1-8.0</small> 66.8 | <small>8.1-15.0</small> 24.0 | <small>15.1-25.0</small> 3.7 | <small>>25.0</small> 1.4 |
| Sulfur (S), ppm | 10 | 18.4 | <small><4</small> 1.0 | <small>4-7</small> 47.8 | <small>8-12</small> 39.4 | <small>13-17</small> 6.0 | <small>>17</small> 5.8 |
| Zinc (Zn), ppm | 4.2 | 4.0 | <small><1.0</small> | <small>1.1-2.9</small> 49.2 | <small>3.0-4.9</small> 29.4 | <small>5.0-10.0</small> 15.3 | <small>>10.0</small> 6.1 |
| Manganese (Mn), ppm | 40 | 17 | <small><6</small> 4.4 | <small>6-14</small> 7.1 | <small>15-19</small> 7.1 | <small>20-49</small> 56.6 | <small>>49</small> 24.8 |
| Iron (Fe), ppm | 46 | 27 | | <small><5</small> 0.3 | <small>5-9</small> 0.5 | <small>10-50</small> 68.8 | <small>>50</small> 30.4 |
| Copper (Cu), ppm | 2.2 | 2.7 | | <small><0.4</small> 0.6 | <small>0.4-1.1</small> 48.7 | <small>1.2-3.0</small> 32.8 | <small>>3.0</small> 17.9 |
| Boron (B), ppm | 0.4 | 2.7 | <small><0.4</small> 61.9 | <small>0.4-0.5</small> 21.5 | <small>0.6-1.2</small> 13.9 | <small>1.3-2.5</small> 2.3 | <small>>2.5</small> 0.4 |
| Nitrate (NO ₃ -N), ppm | 22.1 | 32.6 | <small><5</small> 3.7 | <small>5-9</small> 16.5 | <small>10-19</small> 35.7 | <small>20-39</small> 34.2 | <small>>39</small> 10.0 |
| Ammonium (NH ₄ -N), ppm | 16.3 | 89.8 | <small><5</small> 51.6 | <small>5-9</small> 32.0 | <small>10-19</small> 6.3 | <small>20-39</small> 3.1 | <small>>39</small> 7.0 |