

Northwest Ohio

2016 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,% | 3.5 | 2.5 | <small><1.0</small> 0.1 | <small>1.0-2.5</small> 20.3 | <small>2.5-5.0</small> 74.0 | <small>5.0-7.0</small> 4.9 | <small>7.0+</small> 0.8 |
| Phosphorus (P1), ppm | 37 | 44 | <small><10</small> 7.9 | <small>10-20</small> 25.0 | <small>20-30</small> 23.1 | <small>30-50</small> 24.4 | <small>50+</small> 19.6 |
| Phosphorus (P2), ppm | 65 | 70 | <small><14</small> 5.7 | <small>14-29</small> 15.5 | <small>29-44</small> 21.8 | <small>44-74</small> 27.5 | <small>74+</small> 29.5 |
| Bicarbonate P, ppm | 11 | | <small><5</small> | <small>5-15</small> 100.0 | <small>15-25</small> | <small>25-45</small> | <small>45+</small> |
| Potassium (K), ppm | 147 | 56 | | | | | |
| K, % Base Saturation | 3.1 | 1.3 | <small><0.80</small> 0.8 | <small>0.80-1.57</small> 4.7 | <small>1.58-3.15</small> 54.3 | <small>3.16-4.72</small> 35.3 | <small>>4.72</small> 5.6 |
| Magnesium (Mg), ppm | 322 | 129 | | | | | |
| Mg, % Base Saturation | 20.7 | 5.8 | <small><5</small> 0.1 | <small>5-10</small> 1.4 | <small>10-15</small> 14.2 | <small>15-25</small> 62.7 | <small>25+</small> 21.5 |
| Calcium (Ca), ppm | 1685 | 707 | | | | | |
| Ca, % Base Saturation | 63.2 | 10.2 | <small><45</small> 4.6 | <small>45-55</small> 14.9 | <small>55-75</small> 68.8 | <small>75-85</small> 10.4 | <small>85+</small> 1.4 |
| pH (1:1) | 6.5 | 0.6 | <small><5.1</small> 0.6 | <small>5.1-5.8</small> 12.4 | <small>5.9-6.0</small> 66.5 | <small>7.0-7.5</small> 16.8 | <small>>7.5</small> 3.7 |
| CEC, meq/100g | 13.2 | 4.4 | <small><3.1</small> 0.3 | <small>3.1-8.0</small> 11.6 | <small>8.1-15.0</small> 54.5 | <small>15.1-25.0</small> 32.9 | <small>>25.0</small> 0.7 |
| Sulfur (S), ppm | 10 | 30.2 | <small><4</small> 1.0 | <small>4-7</small> 43.8 | <small>8-12</small> 46.2 | <small>13-17</small> 5.5 | <small>>17</small> 3.5 |
| Zinc (Zn), ppm | 3.4 | 4.6 | <small><1.0</small> | <small>1.1-2.9</small> 58.2 | <small>3.0-4.9</small> 31.2 | <small>5.0-10.0</small> 8.9 | <small>>10.0</small> 1.7 |
| Manganese (Mn), ppm | 28 | 13 | <small><6</small> 1.6 | <small>6-14</small> 18.5 | <small>15-19</small> 28.6 | <small>20-49</small> 47.0 | <small>>49</small> 4.3 |
| Iron (Fe), ppm | 51 | 24 | | <small><5</small> 0.1 | <small>5-9</small> 0.4 | <small>10-50</small> 54.4 | <small>>50</small> 45.1 |
| Copper (Cu), ppm | 2.3 | 1.0 | | <small><0.4</small> | <small>0.4-1.1</small> 10.0 | <small>1.2-3.0</small> 73.9 | <small>>3.0</small> 16.1 |
| Boron (B), ppm | 0.6 | 0.4 | <small><0.4</small> 27.8 | <small>0.4-0.5</small> 24.0 | <small>0.6-1.2</small> 44.3 | <small>1.3-2.5</small> 3.7 | <small>>2.5</small> 0.1 |
| Nitrate (NO ₃ -N), ppm | 21.5 | 24.9 | <small><5</small> 23.3 | <small>5-9</small> 10.9 | <small>10-19</small> 20.4 | <small>20-39</small> 31.7 | <small>>39</small> 13.7 |
| Ammonium (NH ₄ -N), ppm | 5.3 | 5.3 | <small><5</small> 46.2 | <small>5-9</small> 46.2 | <small>10-19</small> 5.0 | <small>20-39</small> 2.3 | <small>>39</small> 0.3 |