

# State of Indiana

## 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,%                   | 3.3        | 4.5       | <small>&lt;1.0</small><br>1.4       | <small>1.0-2.5</small><br>44.5  | <small>2.5-5.0</small><br>48.1   | <small>5.0-7.0</small><br>3.1    | <small>7.0+</small><br>2.9     |
| Phosphorus (P1), ppm               | 41         | 43        | <small>&lt;10</small><br>7.1        | <small>10-20</small><br>20.6    | <small>20-30</small><br>20.5     | <small>30-50</small><br>26.2     | <small>50+</small><br>25.6     |
| Phosphorus (P2), ppm               | 63         | 70        | <small>&lt;14</small><br>9.2        | <small>14-29</small><br>21.9    | <small>29-44</small><br>20.5     | <small>44-74</small><br>21.3     | <small>74+</small><br>27.1     |
| Bicarbonate P, ppm                 | 24         | 14        | <small>&lt;5</small><br>5.1         | <small>5-15</small><br>25.1     | <small>15-25</small><br>33.6     | <small>25-45</small><br>30.1     | <small>45+</small><br>6.1      |
| Potassium (K), ppm                 | 138        | 60        |                                     |                                 |                                  |                                  |                                |
| K, % Base Saturation               | 3.8        | 2.0       | <small>&lt;0.92</small><br>2.0      | <small>0.92-1.83</small><br>7.2 | <small>1.84-3.65</small><br>55.6 | <small>3.66-5.48</small><br>29.7 | <small>&gt;5.48</small><br>7.2 |
| Magnesium (Mg), ppm                | 258        | 139       |                                     |                                 |                                  |                                  |                                |
| Mg, % Base Saturation              | 20.1       | 6.3       | <small>&lt;5</small><br>0.3         | <small>5-10</small><br>4.3      | <small>10-15</small><br>17.4     | <small>15-25</small><br>56.5     | <small>25+</small><br>21.5     |
| Calcium (Ca), ppm                  | 1399       | 876       |                                     |                                 |                                  |                                  |                                |
| Ca, % Base Saturation              | 63.1       | 10.8      | <small>&lt;45</small><br>5.3        | <small>45-55</small><br>16.8    | <small>55-75</small><br>65.5     | <small>75-85</small><br>10.5     | <small>85+</small><br>1.9      |
| pH (1:1)                           | 6.5        | 0.6       | <small>&lt;5.1</small><br>0.8       | <small>5.1-5.8</small><br>12.3  | <small>5.9-6.0</small><br>66.1   | <small>7.0-7.5</small><br>16.9   | <small>&gt;7.5</small><br>3.9  |
| CEC, meq/100g                      | 10.9       | 5.4       | <small>&lt;3.1</small><br>1.3       | <small>3.1-8.0</small><br>29.2  | <small>8.1-15.0</small><br>52.6  | <small>15.1-25.0</small><br>15.6 | <small>&gt;25.0</small><br>1.3 |
| Sulfur (S), ppm                    | 8          | 18.7      | <small>&lt;4</small><br>3.6         | <small>4-7</small><br>63.0      | <small>8-12</small><br>29.0      | <small>13-17</small><br>2.9      | <small>&gt;17</small><br>1.6   |
| Zinc (Zn), ppm                     | 3.4        | 7.5       | <small>&lt;1.0</small>              | <small>1.1-2.9</small><br>61.3  | <small>3.0-4.9</small><br>25.6   | <small>5.0-10.0</small><br>10.3  | <small>&gt;10.0</small><br>2.8 |
| Manganese (Mn), ppm                | 40         | 17        | <small>&lt;6</small><br>2.8         | <small>6-14</small><br>6.5      | <small>15-19</small><br>10.5     | <small>20-49</small><br>54.8     | <small>&gt;49</small><br>25.3  |
| Iron (Fe), ppm                     | 44         | 30        |                                     | <small>&lt;5</small><br>0.6     | <small>5-9</small><br>1.6        | <small>10-50</small><br>68.3     | <small>&gt;50</small><br>29.5  |
| Copper (Cu), ppm                   | 1.5        | 1.2       |                                     | <small>&lt;0.4</small><br>0.2   | <small>0.4-1.1</small><br>41.7   | <small>1.2-3.0</small><br>51.7   | <small>&gt;3.0</small><br>6.4  |
| Boron (B), ppm                     | 0.4        | 0.3       | <small>&lt;0.4</small><br>57.9      | <small>0.4-0.5</small><br>22.6  | <small>0.6-1.2</small><br>17.8   | <small>1.3-2.5</small><br>1.6    | <small>&gt;2.5</small><br>0.1  |
| Nitrate (NO <sub>3</sub> -N), ppm  | 26.1       | 23.4      | <small>&lt;5</small><br>8.5         | <small>5-9</small><br>15.9      | <small>10-19</small><br>22.9     | <small>20-39</small><br>32.2     | <small>&gt;39</small><br>20.5  |
| Ammonium (NH <sub>4</sub> -N), ppm | 6.9        | 9.8       | <small>&lt;5</small><br>45.5        | <small>5-9</small><br>40.1      | <small>10-19</small><br>8.5      | <small>20-39</small><br>4.0      | <small>&gt;39</small><br>1.8   |