

# Southeast 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,%                   | 2.8        | 1.0       | <small>&lt;1.0</small><br>0.7       | <small>1.0-2.5</small><br>47.8   | <small>2.5-5.0</small><br>48.9   | <small>5.0-7.0</small><br>2.3    | <small>7.0+</small><br>0.4     |
| Phosphorus (P1), ppm               | 32         | 30        | <small>&lt;10</small><br>9.7        | <small>10-20</small><br>25.3     | <small>20-30</small><br>23.2     | <small>30-50</small><br>25.7     | <small>50+</small><br>16.0     |
| Phosphorus (P2), ppm               | 54         | 105       | <small>&lt;14</small><br>33.3       | <small>14-29</small><br>41.7     | <small>29-44</small><br>8.3      | <small>44-74</small><br>8.3      | <small>74+</small><br>8.3      |
| Bicarbonate P, ppm                 | 10         | 4         | <small>&lt;5</small><br>10.8        | <small>5-15</small><br>78.4      | <small>15-25</small><br>10.8     | <small>25-45</small>             | <small>45+</small>             |
| Potassium (K), ppm                 | 128        | 55        |                                     |                                  |                                  |                                  |                                |
| K, % Base Saturation               | 3.2        | 1.5       | <small>&lt;0.91</small><br>2.7      | <small>0.91-1.80</small><br>11.0 | <small>1.81-3.59</small><br>58.0 | <small>3.60-5.39</small><br>26.3 | <small>5.39+</small><br>4.4    |
| Magnesium (Mg), ppm                | 260        | 138       |                                     |                                  |                                  |                                  |                                |
| Mg, % Base Saturation              | 19.4       | 6.1       | <small>&lt;5</small><br>0.2         | <small>5-10</small><br>5.9       | <small>10-15</small><br>18.9     | <small>15-25</small><br>56.8     | <small>25+</small><br>18.2     |
| Calcium (Ca), ppm                  | 1443       | 712       |                                     |                                  |                                  |                                  |                                |
| Ca, % Base Saturation              | 64.3       | 10.3      | <small>&lt;45</small><br>4.1        | <small>45-55</small><br>13.1     | <small>55-75</small><br>69.0     | <small>75-85</small><br>11.8     | <small>85+</small><br>2.1      |
| pH (1:1)                           | 6.5        | 0.6       | <small>&lt;5.1</small><br>0.6       | <small>5.1-5.8</small><br>12.4   | <small>5.9-6.0</small><br>67.0   | <small>7.0-7.5</small><br>16.2   | <small>&gt;7.5</small><br>3.7  |
| CEC, meq/100g                      | 11.1       | 4.7       | <small>&lt;3.1</small><br>0.4       | <small>3.1-8.0</small><br>26.9   | <small>8.1-15.0</small><br>54.6  | <small>15.1-25.0</small><br>17.2 | <small>&gt;25.0</small><br>0.9 |
| Sulfur (S), ppm                    | 7          | 6.4       | <small>&lt;4</small><br>4.5         | <small>4-7</small><br>68.2       | <small>8-12</small><br>24.7      | <small>13-17</small><br>1.8      | <small>&gt;17</small><br>0.8   |
| Zinc (Zn), ppm                     | 2.9        | 2.5       | <small>&lt;1.0</small>              | <small>1.1-2.9</small><br>69.8   | <small>3.0-4.9</small><br>22.7   | <small>5.0-10.0</small><br>6.2   | <small>&gt;10.0</small><br>1.3 |
| Manganese (Mn), ppm                | 47         | 14        | <small>&lt;6</small>                | <small>6-14</small><br>0.6       | <small>15-19</small><br>4.5      | <small>20-49</small><br>57.1     | <small>&gt;49</small><br>37.8  |
| Iron (Fe), ppm                     | 36         | 26        |                                     | <small>&lt;5</small><br>1.7      | <small>5-9</small><br>5.0        | <small>10-50</small><br>73.4     | <small>&gt;50</small><br>19.8  |
| Copper (Cu), ppm                   | 1.3        | 0.8       |                                     | <small>&lt;0.4</small>           | <small>0.4-1.1</small><br>57.1   | <small>1.2-3.0</small><br>38.4   | <small>&gt;3.0</small><br>4.4  |
| Boron (B), ppm                     | 0.4        | 0.3       | <small>&lt;0.4</small><br>56.5      | <small>0.4-0.5</small><br>24.1   | <small>0.6-1.2</small><br>17.9   | <small>1.3-2.5</small><br>1.5    | <small>&gt;2.5</small><br>0.1  |
| Nitrate (NO <sub>3</sub> -N), ppm  | 24.0       | 20.8      | <small>&lt;5</small><br>1.9         | <small>5-9</small><br>16.9       | <small>10-19</small><br>33.2     | <small>20-39</small><br>33.3     | <small>&gt;39</small><br>14.8  |
| Ammonium (NH <sub>4</sub> -N), ppm | 7.9        | 10.0      | <small>&lt;5</small><br>30.4        | <small>5-9</small><br>52.4       | <small>10-19</small><br>9.8      | <small>20-39</small><br>5.2      | <small>&gt;39</small><br>2.3   |