



a&lgreatlakes  
LABORATORIES

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## Southeast Indiana

### 2019 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, %	2.7	1.8	0.7 (<1.0)	52.4 (1.0-2.5)	45.1 (2.5-5.0)	1.3 (5.0-7.0)	0.6 (7.0+)
Phosphorus (P1), ppm	33	36	11.5 <td>25.9 (10-20)</td> <td>22.7 (20-30)</td> <td>23.5 (30-50)</td> <td>16.4 (50+)</td>	25.9 (10-20)	22.7 (20-30)	23.5 (30-50)	16.4 (50+)
Phosphorus (P2), ppm	61	49	5.8 <td>23.1 (14-29)</td> <td>17.7 (29-44)</td> <td>26.9 (44-74)</td> <td>26.5 (74+)</td>	23.1 (14-29)	17.7 (29-44)	26.9 (44-74)	26.5 (74+)
Bicarbonate P, ppm	9		5.8 <td>100.0 (5-15)</td> <td></td> <td></td> <td></td>	100.0 (5-15)			
Potassium (K), ppm	121	49					
K, % Base Saturation	3.4	1.5	1.0 <td>10.0 (0.99-1.96)</td> <td>63.8 (1.97-3.92)</td> <td>22.5 (3.93-5.88)</td> <td>3.5<br (&gt;5.88)<="" td=""/></td>	10.0 (0.99-1.96)	63.8 (1.97-3.92)	22.5 (3.93-5.88)	3.5 
Magnesium (Mg), ppm	233	122					
Mg, % Base Saturation	19.3	6.4	0.4 <td>9.0 (5-10)</td> <td>15.9 (10-15)</td> <td>55.9 (15-25)</td> <td>18.9 (25+)</td>	9.0 (5-10)	15.9 (10-15)	55.9 (15-25)	18.9 (25+)
Calcium (Ca), ppm	1307	635					
Ca, % Base Saturation	64.9	10.4	3.5 <td>12.1 (45-55)</td> <td>69.7 (55-75)</td> <td>11.8 (75-85)</td> <td>3.0 (85+)</td>	12.1 (45-55)	69.7 (55-75)	11.8 (75-85)	3.0 (85+)
pH (1:1)	6.5	0.6	0.6 <td>10.4 (5.1-5.8)</td> <td>65.8 (5.9-6.9)</td> <td>19.2 (7.0-7.5)</td> <td>3.9<br (&gt;7.5)<="" td=""/></td>	10.4 (5.1-5.8)	65.8 (5.9-6.9)	19.2 (7.0-7.5)	3.9 
CEC, meq/100g	9.9	3.9	0.3 <td>33.6 (3.1-8.0)</td> <td>56.5 (8.1-15.0)</td> <td>9.2 (15.1-25.0)</td> <td>0.4<br (&gt;25.0)<="" td=""/></td>	33.6 (3.1-8.0)	56.5 (8.1-15.0)	9.2 (15.1-25.0)	0.4 
Sulfur (S), ppm	8	5.3	2.7 <td>56.1 (4-7)</td> <td>35.8 (8-12)</td> <td>3.8 (13-17)</td> <td>1.7<br (&gt;17)<="" td=""/></td>	56.1 (4-7)	35.8 (8-12)	3.8 (13-17)	1.7 
Zinc (Zn), ppm	3.1	3.1		66.9 <td>21.9 (1.1-2.9)</td> <td>9.2 (3.0-4.9)</td> <td>2.0 (5.0-10.0)</td>	21.9 (1.1-2.9)	9.2 (3.0-4.9)	2.0 (5.0-10.0)
Manganese (Mn), ppm	48	16	0.3 <td>1.2 (6-14)</td> <td>5.0 (15-19)</td> <td>51.5 (20-49)</td> <td>42.0<br (&gt;49)<="" td=""/></td>	1.2 (6-14)	5.0 (15-19)	51.5 (20-49)	42.0 
Iron (Fe), ppm	41	26		0.3 <td>1.6 (5-9)</td> <td>74.3 (10-50)</td> <td>23.8 (&gt;50)</td>	1.6 (5-9)	74.3 (10-50)	23.8 (>50)
Copper (Cu), ppm	1.4	1.1		0.4 <td>47.9 (0.4-1.1)</td> <td>47.4 (1.2-3.0)</td> <td>4.3<br (&gt;3.0)<="" td=""/></td>	47.9 (0.4-1.1)	47.4 (1.2-3.0)	4.3 
Boron (B), ppm	0.4	0.3	46.9 <td>28.4 (0.4-0.5)</td> <td>23.3 (0.6-1.2)</td> <td>1.5 (1.3-2.5)</td> <td>0.1<br (&gt;2.5)<="" td=""/></td>	28.4 (0.4-0.5)	23.3 (0.6-1.2)	1.5 (1.3-2.5)	0.1 
Nitrate (NO <sub>3</sub> -N), ppm	23.1	15.0	2.9 <td>9.1 (5-9)</td> <td>33.7 (10-19)</td> <td>42.3 (20-39)</td> <td>12.0<br (&gt;39)<="" td=""/></td>	9.1 (5-9)	33.7 (10-19)	42.3 (20-39)	12.0 
Ammonium (NH <sub>4</sub> -N), ppm	4.9	2.9	34.9 <td>55.0 (5-9)</td> <td>8.9 (10-19)</td> <td>1.2 (20-39)</td> <td></td>	55.0 (5-9)	8.9 (10-19)	1.2 (20-39)	