

# Southern 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,%	2.7	1.1	<small>(&lt;1.0)</small> 1.1	<small>(1.0-2.5)</small> 49.5	<small>(2.5-5.0)</small> 47.0	<small>(5.0-7.0)</small> 2.1	<small>(7.0+)</small> 0.4
Phosphorus (P1), ppm	33	32	<small>(&lt;10)</small> 9.9	<small>(10-20)</small> 25.1	<small>(20-30)</small> 23.1	<small>(30-50)</small> 24.9	<small>(50+)</small> 16.9
Phosphorus (P2), ppm	48	86	<small>(&lt;14)</small> 41.5	<small>(14-29)</small> 25.7	<small>(29-44)</small> 10.7	<small>(44-74)</small> 6.7	<small>(74+)</small> 15.4
Bicarbonate P, ppm	18	18	<small>(&lt;5)</small> 11.1	<small>(5-15)</small> 52.4	<small>(15-25)</small> 12.7	<small>(25-45)</small> 15.9	<small>(45+)</small> 7.9
Potassium (K), ppm	126	54					
K, % Base Saturation	3.3	1.5	<small>(&lt;0.94)</small> 2.2	<small>(0.94-1.86)</small> 11.1	<small>(1.87-3.72)</small> 59.5	<small>(3.73-5.59)</small> 24.6	<small>(5.59+)</small> 4.3
Magnesium (Mg), ppm	233	135					
Mg, % Base Saturation	18.0	6.2	<small>(&lt;5)</small> 0.2	<small>(5-10)</small> 8.9	<small>(10-15)</small> 26.3	<small>(15-25)</small> 50.4	<small>(25+)</small> 14.2
Calcium (Ca), ppm	1399	675					
Ca, % Base Saturation	65.5	10.6	<small>(&lt;45)</small> 3.8	<small>(45-55)</small> 11.5	<small>(55-75)</small> 67.8	<small>(75-85)</small> 14.2	<small>(85+)</small> 2.7
pH (1:1)	6.5	0.6	<small>(&lt;5.1)</small> 0.7	<small>(5.1-5.8)</small> 12.3	<small>(5.9-6.0)</small> 67.4	<small>(7.0-7.5)</small> 15.9	<small>(&gt;7.5)</small> 3.7
CEC, meq/100g	10.6	4.4	<small>(&lt;3.1)</small> 0.6	<small>(3.1-8.0)</small> 29.5	<small>(8.1-15.0)</small> 55.1	<small>(15.1-25.0)</small> 14.0	<small>(&gt;25.0)</small> 0.7
Sulfur (S), ppm	7	7.1	<small>(&lt;4)</small> 4.2	<small>(4-7)</small> 67.3	<small>(8-12)</small> 25.6	<small>(13-17)</small> 2.0	<small>(&gt;17)</small> 1.0
Zinc (Zn), ppm	3.0	2.8	<small>(&lt;1.0)</small>	<small>(1.1-2.9)</small> 67.5	<small>(3.0-4.9)</small> 23.5	<small>(5.0-10.0)</small> 7.2	<small>(&gt;10.0)</small> 1.7
Manganese (Mn), ppm	49	16	<small>(&lt;6)</small>	<small>(6-14)</small> 0.5	<small>(15-19)</small> 4.1	<small>(20-49)</small> 53.2	<small>(&gt;49)</small> 42.1
Iron (Fe), ppm	39	28		<small>(&lt;5)</small> 1.4	<small>(5-9)</small> 3.8	<small>(10-50)</small> 71.4	<small>(&gt;50)</small> 23.5
Copper (Cu), ppm	1.4	0.8		<small>(&lt;0.4)</small>	<small>(0.4-1.1)</small> 49.3	<small>(1.2-3.0)</small> 46.4	<small>(&gt;3.0)</small> 4.3
Boron (B), ppm	0.4	0.3	<small>(&lt;0.4)</small> 58.6	<small>(0.4-0.5)</small> 23.0	<small>(0.6-1.2)</small> 17.0	<small>(1.3-2.5)</small> 1.3	<small>(&gt;2.5)</small> 0.1
Nitrate (NO <sub>3</sub> -N), ppm	22.1	19.9	<small>(&lt;5)</small> 4.1	<small>(5-9)</small> 19.8	<small>(10-19)</small> 32.5	<small>(20-39)</small> 31.2	<small>(&gt;39)</small> 12.4
Ammonium (NH <sub>4</sub> -N), ppm	7.8	9.6	<small>(&lt;5)</small> 31.2	<small>(5-9)</small> 51.9	<small>(10-19)</small> 9.9	<small>(20-39)</small> 4.9	<small>(&gt;39)</small> 2.1