



# Southwest 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,%	3.0	0.8	<small>(&lt;1.0)</small> 0.1	<small>(1.0-2.5)</small> 31.9	<small>(2.5-5.0)</small> 66.3	<small>(5.0-7.0)</small> 1.6	<small>(7.0+)</small> 0.2
Phosphorus (P1), ppm	43	35	<small>(&lt;10)</small> 4.8	<small>(10-20)</small> 17.6	<small>(20-30)</small> 18.9	<small>(30-50)</small> 29.1	<small>(50+)</small> 29.5
Potassium (K), ppm	156	64					
K, % Base Saturation	3.6	1.5	<small>(&lt;0.88)</small> 0.6	<small>(0.88-1.74)</small> 4.1	<small>(1.75-3.49)</small> 47.8	<small>(3.50-5.23)</small> 35.2	<small>(5.23)</small> 12.8
Magnesium (Mg), ppm	303	127					
Mg, % Base Saturation	22.0	7.0	<small>(&lt;5)</small> 0.1	<small>(5-10)</small> 2.5	<small>(10-15)</small> 14.7	<small>(15-25)</small> 49.8	<small>(25+)</small> 33.0
Calcium (Ca), ppm	1435	570					
Ca, % Base Saturation	61.5	11.3	<small>(&lt;45)</small> 8.7	<small>(45-55)</small> 17.2	<small>(55-75)</small> 63.7	<small>(75-85)</small> 8.7	<small>(85+)</small> 1.7
pH (1:1)	6.6	0.8	<small>(&lt;5.1)</small> 2.0	<small>(5.1-5.8)</small> 16.7	<small>(5.9-6.0)</small> 47.0	<small>(7.0-7.5)</small> 22.5	<small>(&gt;7.5)</small> 11.9
CEC, meq/100g	11.5	3.2	<small>(&lt;3.1)</small>	<small>(3.1-8.0)</small> 10.2	<small>(8.1-15.0)</small> 76.8	<small>(15.1-25.0)</small> 12.9	<small>(&gt;25.0)</small> 0.1
Sulfur (S), ppm	12	31.2	<small>(&lt;4)</small> 1.8	<small>(4-7)</small> 44.8	<small>(8-12)</small> 43.6	<small>(13-17)</small> 5.5	<small>(&gt;17)</small> 4.2
Zinc (Zn), ppm	6.5	26.7	<small>(&lt;1.0)</small>	<small>(1.1-2.9)</small> 59.6	<small>(3.0-4.9)</small> 29.8	<small>(5.0-10.0)</small> 5.8	<small>(&gt;10.0)</small> 4.7
Manganese (Mn), ppm	43	9	<small>(&lt;6)</small>	<small>(6-14)</small>	<small>(15-19)</small> 3.0	<small>(20-49)</small> 74.4	<small>(&gt;49)</small> 22.6
Iron (Fe), ppm	26	6		<small>(&lt;5)</small>	<small>(5-9)</small>	<small>(10-50)</small> 100.0	<small>(&gt;50)</small>
Copper (Cu), ppm	2.0	0.8		<small>(&lt;0.4)</small>	<small>(0.4-1.1)</small>	<small>(1.2-3.0)</small> 66.7	<small>(&gt;3.0)</small> 33.3
Boron (B), ppm	0.7	0.5	<small>(&lt;0.4)</small> 34.6	<small>(0.4-0.5)</small> 21.1	<small>(0.6-1.2)</small> 31.6	<small>(1.3-2.5)</small> 12.8	<small>(&gt;2.5)</small>
Nitrate (NO <sub>3</sub> -N), ppm	52.3	22.9	<small>(&lt;5)</small>	<small>(5-9)</small>	<small>(10-19)</small> 4.3	<small>(20-39)</small> 30.4	<small>(&gt;39)</small> 65.2
Ammonium (NH <sub>4</sub> -N), ppm	6.9	5.2	<small>(&lt;5)</small> 34.8	<small>(5-9)</small> 43.5	<small>(10-19)</small> 13.0	<small>(20-39)</small> 8.7	<small>(&gt;39)</small>