



Southern 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>(<1.0)</small> 0.1	<small>(1.0-2.5)</small> 30.7	<small>(2.5-5.0)</small> 66.8	<small>(5.0-7.0)</small> 2.3	<small>(7.0+)</small> 0.2
Phosphorus (P1), ppm	42	36	<small>(<10)</small> 5.7	<small>(10-20)</small> 19.0	<small>(20-30)</small> 18.9	<small>(30-50)</small> 28.0	<small>(50+)</small> 28.3
Phosphorus (P2), ppm	105	5	<small>(<14)</small>	<small>(14-29)</small>	<small>(29-44)</small>	<small>(44-74)</small>	<small>(74+)</small> 100.0
Potassium (K), ppm	155	66					
K, % Base Saturation	3.6	1.5	<small>(<0.88)</small> 0.7	<small>(0.88-1.73)</small> 4.3	<small>(1.74-3.46)</small> 48.7	<small>(3.47-5.19)</small> 34.2	<small>(5.19+)</small> 12.7
Magnesium (Mg), ppm	304	129					
Mg, % Base Saturation	21.8	6.9	<small>(<5)</small> 0.1	<small>(5-10)</small> 2.5	<small>(10-15)</small> 14.5	<small>(15-25)</small> 51.1	<small>(25+)</small> 31.8
Calcium (Ca), ppm	1456	612					
Ca, % Base Saturation	61.7	11.3	<small>(<45)</small> 8.4	<small>(45-55)</small> 16.8	<small>(55-75)</small> 64.0	<small>(75-85)</small> 9.0	<small>(85+)</small> 1.7
pH (1:1)	6.6	0.8	<small>(<5.1)</small> 1.9	<small>(5.1-5.8)</small> 16.4	<small>(5.9-6.0)</small> 48.1	<small>(7.0-7.5)</small> 22.3	<small>(>7.5)</small> 11.4
CEC, meq/100g	11.6	3.5	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 10.5	<small>(8.1-15.0)</small> 75.4	<small>(15.1-25.0)</small> 13.6	<small>(>25.0)</small> 0.5
Sulfur (S), ppm	12	19.8	<small>(<4)</small> 1.5	<small>(4-7)</small> 36.1	<small>(8-12)</small> 46.8	<small>(13-17)</small> 6.4	<small>(>17)</small> 9.2
Zinc (Zn), ppm	5.1	15.3	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 39.4	<small>(3.0-4.9)</small> 36.3	<small>(5.0-10.0)</small> 20.7	<small>(>10.0)</small> 3.6
Manganese (Mn), ppm	40	13	<small>(<6)</small> 0.4	<small>(6-14)</small> 2.7	<small>(15-19)</small> 8.2	<small>(20-49)</small> 70.8	<small>(>49)</small> 17.9
Iron (Fe), ppm	36	20		<small>(<5)</small> 0.5	<small>(5-9)</small> 1.6	<small>(10-50)</small> 77.5	<small>(>50)</small> 20.3
Copper (Cu), ppm	2.1	0.9		<small>(<0.4)</small>	<small>(0.4-1.1)</small> 8.0	<small>(1.2-3.0)</small> 78.9	<small>(>3.0)</small> 13.1
Boron (B), ppm	0.7	0.7	<small>(<0.4)</small> 32.4	<small>(0.4-0.5)</small> 24.4	<small>(0.6-1.2)</small> 31.4	<small>(1.3-2.5)</small> 9.7	<small>(>2.5)</small> 2.1
Nitrate (NO ₃ -N), ppm	36.7	24.0	<small>(<5)</small>	<small>(5-9)</small> 2.3	<small>(10-19)</small> 31.8	<small>(20-39)</small> 31.8	<small>(>39)</small> 34.1
Ammonium (NH ₄ -N), ppm	5.5	4.1	<small>(<5)</small> 40.9	<small>(5-9)</small> 47.7	<small>(10-19)</small> 6.8	<small>(20-39)</small> 4.5	<small>(>39)</small>