



Southwest Ohio

2018 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,%	3.2	0.9	<small>(<1.0)</small> 0.2	<small>(1.0-2.5)</small> 24.8	<small>(2.5-5.0)</small> 70.4	<small>(5.0-7.0)</small> 3.9	<small>(7.0+)</small> 0.7
Phosphorus (P1), ppm	36	35	<small>(<10)</small> 16.8	<small>(10-20)</small> 19.7	<small>(20-30)</small> 18.7	<small>(30-50)</small> 23.1	<small>(50+)</small> 21.6
Phosphorus (P2), ppm	159	67	<small>(<14)</small>	<small>(14-29)</small>	<small>(29-44)</small>	<small>(44-74)</small>	<small>(74+)</small> 100.0
Potassium (K), ppm	129	54					
K, % Base Saturation	2.9	1.4	<small>(<0.85)</small> 2.7	<small>(0.85-1.68)</small> 8.7	<small>(1.69-3.36)</small> 66.5	<small>(3.37-5.04)</small> 18.2	<small>(>5.04)</small> 6.5
Magnesium (Mg), ppm	321	136					
Mg, % Base Saturation	22.5	7.2	<small>(<5)</small> 0.2	<small>(5-10)</small> 2.7	<small>(10-15)</small> 14.1	<small>(15-25)</small> 44.6	<small>(25+)</small> 38.4
Calcium (Ca), ppm	1555	781					
Ca, % Base Saturation	62.6	10.2	<small>(<45)</small> 3.7	<small>(45-55)</small> 17.0	<small>(55-75)</small> 68.5	<small>(75-85)</small> 7.0	<small>(85+)</small> 3.7
pH (1:1)	6.6	0.7	<small>(<5.1)</small> 0.5	<small>(5.1-5.8)</small> 11.7	<small>(5.9-6.0)</small> 57.3	<small>(7.0-7.5)</small> 21.8	<small>(>7.5)</small> 8.7
CEC, meq/100g	12.1	4.1	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 7.8	<small>(8.1-15.0)</small> 75.0	<small>(15.1-25.0)</small> 16.3	<small>(>25.0)</small> 0.9
Sulfur (S), ppm	7	3.8	<small>(<4)</small> 5.2	<small>(4-7)</small> 63.3	<small>(8-12)</small> 28.4	<small>(13-17)</small> 2.2	<small>(>17)</small> 0.9
Zinc (Zn), ppm	3.6	7.7	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 65.2	<small>(3.0-4.9)</small> 27.0	<small>(5.0-10.0)</small> 6.4	<small>(>10.0)</small> 1.3
Manganese (Mn), ppm	45	12	<small>(<6)</small>	<small>(6-14)</small>	<small>(15-19)</small> 2.9	<small>(20-49)</small> 63.9	<small>(>49)</small> 33.2
Iron (Fe), ppm	54	29		<small>(<5)</small> 2.1	<small>(5-9)</small>	<small>(10-50)</small> 48.9	<small>(>50)</small> 48.9
Copper (Cu), ppm	2.1	0.9		<small>(<0.4)</small>	<small>(0.4-1.1)</small> 4.3	<small>(1.2-3.0)</small> 80.9	<small>(>3.0)</small> 14.9
Boron (B), ppm	0.6	0.5	<small>(<0.4)</small> 26.8	<small>(0.4-0.5)</small> 30.7	<small>(0.6-1.2)</small> 31.2	<small>(1.3-2.5)</small> 10.7	<small>(>2.5)</small> 0.5
Nitrate (NO ₃ -N), ppm	7.3	1.7	<small>(<5)</small>	<small>(5-9)</small> 80.0	<small>(10-19)</small> 20.0	<small>(20-39)</small>	<small>(>39)</small>