



Southwest Ohio

2020 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,%	2.9	1.3	<small>(<1.0)</small> 0.2	<small>(1.0-2.5)</small> 38.6	<small>(2.5-5.0)</small> 58.7	<small>(5.0-7.0)</small> 2.1	<small>(7.0+)</small> 0.3
Phosphorus (P1), ppm	35	35	<small>(<10)</small> 9.8	<small>(10-20)</small> 23.0	<small>(20-30)</small> 24.0	<small>(30-50)</small> 23.0	<small>(50+)</small> 20.2
Phosphorus (P2), ppm	168	50	<small>(<14)</small>	<small>(14-29)</small>	<small>(29-44)</small>	<small>(44-74)</small> 6.3	<small>(74+)</small> 93.8
Potassium (K), ppm	128	56					
K, % Base Saturation	3.2	1.4	<small>(<0.91)</small> 2.4	<small>(0.91-1.81)</small> 7.3	<small>(1.82-3.62)</small> 65.1	<small>(3.63-5.43)</small> 23.2	<small>(5.43+)</small> 4.4
Magnesium (Mg), ppm	287	117					
Mg, % Base Saturation	21.9	6.5	<small>(<5)</small>	<small>(5-10)</small> 3.2	<small>(10-15)</small> 11.7	<small>(15-25)</small> 52.4	<small>(25+)</small> 32.7
Calcium (Ca), ppm	1405	650					
Ca, % Base Saturation	62.7	11.3	<small>(<45)</small> 7.4	<small>(45-55)</small> 15.5	<small>(55-75)</small> 64.7	<small>(75-85)</small> 9.2	<small>(85+)</small> 3.2
pH (1:1)	6.6	0.7	<small>(<5.1)</small> 0.8	<small>(5.1-5.8)</small> 15.8	<small>(5.9-6.9)</small> 51.3	<small>(7.0-7.5)</small> 22.2	<small>(7.5+)</small> 9.8
CEC, meq/100g	11.0	3.7	<small>(<3.1)</small> 0.1	<small>(3.1-8.0)</small> 19.9	<small>(8.1-15.0)</small> 67.8	<small>(15.1-25.0)</small> 11.7	<small>(>25.0)</small> 0.5
Sulfur (S), ppm	8	9.3	<small>(<4)</small> 6.1	<small>(4-7)</small> 58.9	<small>(8-12)</small> 25.7	<small>(13-17)</small> 6.7	<small>(>17)</small> 2.6
Zinc (Zn), ppm	3.6	2.4	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 56.7	<small>(3.0-4.9)</small> 22.5	<small>(5.0-10.0)</small> 19.1	<small>(>10.0)</small> 1.7
Manganese (Mn), ppm	39	12	<small>(<6)</small>	<small>(6-14)</small> 4.3	<small>(15-19)</small> 12.3	<small>(20-49)</small> 67.2	<small>(>49)</small> 16.2
Iron (Fe), ppm	40	20		<small>(<5)</small>	<small>(5-9)</small> 0.4	<small>(10-50)</small> 75.2	<small>(>50)</small> 24.3
Copper (Cu), ppm	1.8	0.7		<small>(<0.4)</small>	<small>(0.4-1.1)</small> 18.2	<small>(1.2-3.0)</small> 76.3	<small>(>3.0)</small> 5.5
Boron (B), ppm	0.5	0.3	<small>(<0.4)</small> 36.9	<small>(0.4-0.5)</small> 28.5	<small>(0.6-1.2)</small> 32.6	<small>(1.3-2.5)</small> 1.8	<small>(>2.5)</small> 0.2
Nitrate (NO ₃ -N), ppm	30.9	26.5	<small>(<5)</small> 4.1	<small>(5-9)</small> 18.4	<small>(10-19)</small> 24.5	<small>(20-39)</small> 22.4	<small>(>39)</small> 30.6
Ammonium (NH ₄ -N), ppm	28.1	41.9	<small>(<5)</small> 34.0	<small>(5-9)</small> 23.4	<small>(10-19)</small> 4.3	<small>(20-39)</small> 6.4	<small>(>39)</small> 31.9