



# Southwest Ohio

## 2021 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,%	2.5	0.7	<small>(&lt;1.0)</small> 0.1	<small>(1.0-2.5)</small> 62.6	<small>(2.5-5.0)</small> 36.0	<small>(5.0-7.0)</small> 1.3	<small>(7.0+)</small> 0.1
Phosphorus (P1), ppm	28	26	<small>(&lt;10)</small> 12.7	<small>(10-20)</small> 32.3	<small>(20-30)</small> 21.5	<small>(30-50)</small> 20.3	<small>(50+)</small> 13.1
Phosphorus (P2), ppm	13		<small>(&lt;14)</small> 100.0	<small>(14-29)</small>	<small>(29-44)</small>	<small>(44-74)</small>	<small>(74+)</small>
Potassium (K), ppm	111	43					
K, % Base Saturation	2.7	1.1	<small>(&lt;0.92)</small> 0.1	<small>(0.92-1.83)</small> 13.8	<small>(1.84-3.66)</small> 70.0	<small>(3.67-5.48)</small> 13.5	<small>(5.48+)</small> 2.6
Magnesium (Mg), ppm	279	121					
Mg, % Base Saturation	21.4	6.2	<small>(&lt;5)</small> 0.2	<small>(5-10)</small> 2.7	<small>(10-15)</small> 12.9	<small>(15-25)</small> 56.6	<small>(25+)</small> 27.5
Calcium (Ca), ppm	1362	608					
Ca, % Base Saturation	61.7	10.6	<small>(&lt;45)</small> 6.0	<small>(45-55)</small> 19.3	<small>(55-75)</small> 66.3	<small>(75-85)</small> 6.0	<small>(85+)</small> 2.4
pH (1:1)	6.5	0.7	<small>(&lt;5.1)</small> 1.0	<small>(5.1-5.8)</small> 19.5	<small>(5.9-6.9)</small> 51.6	<small>(7.0-7.5)</small> 18.0	<small>(&gt;7.5)</small> 9.9
CEC, meq/100g	10.8	3.4	<small>(&lt;3.1)</small>	<small>(3.1-8.0)</small> 17.6	<small>(8.1-15.0)</small> 71.4	<small>(15.1-25.0)</small> 10.7	<small>(&gt;25.0)</small> 0.3
Sulfur (S), ppm	8	8.6	<small>(&lt;4)</small> 2.3	<small>(4-7)</small> 48.9	<small>(8-12)</small> 45.2	<small>(13-17)</small> 2.5	<small>(&gt;17)</small> 1.1
Zinc (Zn), ppm	2.7	1.5	<small>(&lt;1.0)</small>	<small>(1.1-2.9)</small> 70.0	<small>(3.0-4.9)</small> 23.8	<small>(5.0-10.0)</small> 5.6	<small>(&gt;10.0)</small> 0.7
Manganese (Mn), ppm	43	13	<small>(&lt;6)</small>	<small>(6-14)</small> 0.2	<small>(15-19)</small> 6.8	<small>(20-49)</small> 67.3	<small>(&gt;49)</small> 25.7
Iron (Fe), ppm	39	18		<small>(&lt;5)</small>	<small>(5-9)</small> 0.3	<small>(10-50)</small> 78.4	<small>(&gt;50)</small> 21.3
Copper (Cu), ppm	1.7	0.8		<small>(&lt;0.4)</small>	<small>(0.4-1.1)</small> 25.6	<small>(1.2-3.0)</small> 67.4	<small>(&gt;3.0)</small> 7.0
Boron (B), ppm	0.5	0.4	<small>(&lt;0.4)</small> 47.0	<small>(0.4-0.5)</small> 24.6	<small>(0.6-1.2)</small> 24.4	<small>(1.3-2.5)</small> 3.8	<small>(&gt;2.5)</small> 0.2
Nitrate (NO3-N), ppm	59.2		<small>(&lt;5)</small>	<small>(5-9)</small>	<small>(10-19)</small>	<small>(20-39)</small>	<small>(&gt;39)</small> 100.0