



Southwest Illinois

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,%	2.8	0.9	<small>(<1.0)</small> 0.1	<small>(1.0-2.5)</small> 46.8	<small>(2.5-5.0)</small> 48.9	<small>(5.0-7.0)</small> 3.8	<small>(7.0+)</small> 0.3
Phosphorus (P1), ppm	30	27	<small>(<10)</small> 10.2	<small>(10-20)</small> 28.1	<small>(20-30)</small> 24.5	<small>(30-50)</small> 23.9	<small>(50+)</small> 13.2
Bicarbonate P, ppm	13	3	<small>(<5)</small>	<small>(5-15)</small> 75.0	<small>(15-25)</small> 25.0	<small>(25-45)</small>	<small>(45+)</small>
Potassium (K), ppm	122	58					
K, % Base Saturation	3.2	1.4	<small>(<0.96)</small> 0.5	<small>(0.96-1.90)</small> 11.9	<small>(1.91-3.80)</small> 64.5	<small>(3.81-5.70)</small> 18.2	<small>(>5.70)</small> 5.2
Magnesium (Mg), ppm	190	128					
Mg, % Base Saturation	14.4	5.2	<small>(<5)</small> 0.2	<small>(5-10)</small> 21.4	<small>(10-15)</small> 39.3	<small>(15-25)</small> 35.3	<small>(25+)</small> 3.8
Calcium (Ca), ppm	1406	511					
Ca, % Base Saturation	69.4	11.9	<small>(<45)</small> 3.4	<small>(45-55)</small> 9.3	<small>(55-75)</small> 56.0	<small>(75-85)</small> 21.8	<small>(85+)</small> 9.5
pH (1:1)	6.5	0.6	<small>(<5.1)</small> 0.5	<small>(5.1-5.8)</small> 13.7	<small>(5.9-6.9)</small> 63.1	<small>(7.0-7.5)</small> 19.5	<small>(>7.5)</small> 3.2
CEC, meq/100g	10.3	4.0	<small>(<3.1)</small> 0.1	<small>(3.1-8.0)</small> 31.5	<small>(8.1-15.0)</small> 58.0	<small>(15.1-25.0)</small> 9.5	<small>(>25.0)</small> 0.9
Sulfur (S), ppm	6	3.0	<small>(<4)</small> 6.2	<small>(4-7)</small> 73.1	<small>(8-12)</small> 19.4	<small>(13-17)</small> 0.7	<small>(>17)</small> 0.6
Zinc (Zn), ppm	3.2	7.8	<small>(<1.0)</small> 0.1	<small>(1.1-2.9)</small> 75.4	<small>(3.0-4.9)</small> 16.9	<small>(5.0-10.0)</small> 5.4	<small>(>10.0)</small> 2.2
Manganese (Mn), ppm	51	19	<small>(<6)</small>	<small>(6-14)</small> 0.6	<small>(15-19)</small> 8.1	<small>(20-49)</small> 43.4	<small>(>49)</small> 47.9
Iron (Fe), ppm	39	24		<small>(<5)</small> 1.2	<small>(5-9)</small> 1.8	<small>(10-50)</small> 75.3	<small>(>50)</small> 21.7
Copper (Cu), ppm	1.4	0.8		<small>(<0.4)</small>	<small>(0.4-1.1)</small> 35.2	<small>(1.2-3.0)</small> 63.4	<small>(>3.0)</small> 1.4
Boron (B), ppm	0.4	0.2	<small>(<0.4)</small> 45.1	<small>(0.4-0.5)</small> 31.1	<small>(0.6-1.2)</small> 23.2	<small>(1.3-2.5)</small> 0.6	<small>(>2.5)</small>
Nitrate (NO ₃ -N), ppm	10.7	15.3	<small>(<5)</small> 45.2	<small>(5-9)</small> 22.6	<small>(10-19)</small> 16.1	<small>(20-39)</small> 9.7	<small>(>39)</small> 6.5
Ammonium (NH ₄ -N), ppm	3.9	5.2	<small>(<5)</small> 77.4	<small>(5-9)</small> 9.7	<small>(10-19)</small> 9.7	<small>(20-39)</small>	<small>(>39)</small> 3.2