



Southwest Illinois

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,%	3.0	0.9	<small>(<1.0)</small> 0.1	<small>(1.0-2.5)</small> 39.5	<small>(2.5-5.0)</small> 56.4	<small>(5.0-7.0)</small> 3.9	<small>(7.0+)</small> 0.1
Phosphorus (P1), ppm	29	28	<small>(<10)</small> 10.4	<small>(10-20)</small> 29.8	<small>(20-30)</small> 25.6	<small>(30-50)</small> 22.7	<small>(50+)</small> 11.4
Potassium (K), ppm	129	58					
K, % Base Saturation	3.1	1.4	<small>(<0.90)</small> 0.2	<small>(0.90-1.77)</small> 9.3	<small>(1.78-3.54)</small> 63.0	<small>(3.55-5.31)</small> 21.5	<small>(5.31+)</small> 5.9
Magnesium (Mg), ppm	210	139					
Mg, % Base Saturation	14.5	5.0	<small>(<5)</small> 0.4	<small>(5-10)</small> 18.8	<small>(10-15)</small> 39.5	<small>(15-25)</small> 38.2	<small>(25+)</small> 3.2
Calcium (Ca), ppm	1516	603					
Ca, % Base Saturation	68.4	11.8	<small>(<45)</small> 3.0	<small>(45-55)</small> 10.4	<small>(55-75)</small> 58.5	<small>(75-85)</small> 19.0	<small>(85+)</small> 9.1
pH (1:1)	6.4	0.6	<small>(<5.1)</small> 0.7	<small>(5.1-5.8)</small> 15.5	<small>(5.9-6.9)</small> 63.3	<small>(7.0-7.5)</small> 17.5	<small>(>7.5)</small> 3.1
CEC, meq/100g	11.3	4.5	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 24.4	<small>(8.1-15.0)</small> 58.6	<small>(15.1-25.0)</small> 15.6	<small>(>25.0)</small> 1.3
Sulfur (S), ppm	6	3.4	<small>(<4)</small> 11.3	<small>(4-7)</small> 65.5	<small>(8-12)</small> 21.4	<small>(13-17)</small> 1.0	<small>(>17)</small> 0.7
Zinc (Zn), ppm	3.3	3.4	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 68.8	<small>(3.0-4.9)</small> 18.5	<small>(5.0-10.0)</small> 9.0	<small>(>10.0)</small> 3.8
Manganese (Mn), ppm	49	17	<small>(<6)</small>	<small>(6-14)</small> 1.3	<small>(15-19)</small> 4.8	<small>(20-49)</small> 50.8	<small>(>49)</small> 43.2
Iron (Fe), ppm	44	28		<small>(<5)</small> 0.9	<small>(5-9)</small> 1.8	<small>(10-50)</small> 67.3	<small>(>50)</small> 30.1
Copper (Cu), ppm	1.6	0.8		<small>(<0.4)</small> 0.1	<small>(0.4-1.1)</small> 25.8	<small>(1.2-3.0)</small> 69.4	<small>(>3.0)</small> 4.7
Boron (B), ppm	0.4	0.3	<small>(<0.4)</small> 42.3	<small>(0.4-0.5)</small> 31.0	<small>(0.6-1.2)</small> 25.4	<small>(1.3-2.5)</small> 1.3	<small>(>2.5)</small> 0.1
Nitrate (NO3-N), ppm	18.3	12.6	<small>(<5)</small> 25.0	<small>(5-9)</small>	<small>(10-19)</small> 25.0	<small>(20-39)</small> 50.0	<small>(>39)</small>
Ammonium (NH4-N), ppm	3.6	0.7	<small>(<5)</small> 50.0	<small>(5-9)</small> 50.0	<small>(10-19)</small>	<small>(20-39)</small>	<small>(>39)</small>