



Southwest Illinois

2022 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,%	3.1	1.1	<small>(<1.0)</small> 1.8	<small>(1.0-2.5)</small> 32.2	<small>(2.5-5.0)</small> 57.7	<small>(5.0-7.0)</small> 8.1	<small>(7.0+)</small> 0.3
Phosphorus (P1), ppm	30	31	<small>(<10)</small> 10.8	<small>(10-20)</small> 28.6	<small>(20-30)</small> 23.6	<small>(30-50)</small> 25.1	<small>(50+)</small> 11.9
Potassium (K), ppm	133	59					
K, % Base Saturation	3.1	1.5	<small>(<0.86)</small> 0.1	<small>(0.86-1.70)</small> 10.1	<small>(1.71-3.39)</small> 59.5	<small>(3.40-5.09)</small> 24.1	<small>(5.09)</small> 6.2
Magnesium (Mg), ppm	230	154					
Mg, % Base Saturation	15.3	5.3	<small>(<5)</small> 0.2	<small>(5-10)</small> 13.5	<small>(10-15)</small> 41.0	<small>(15-25)</small> 40.1	<small>(25+)</small> 5.2
Calcium (Ca), ppm	1594	700					
Ca, % Base Saturation	67.7	11.3	<small>(<45)</small> 2.8	<small>(45-55)</small> 11.1	<small>(55-75)</small> 60.2	<small>(75-85)</small> 19.8	<small>(85+)</small> 6.1
pH (1:1)	6.5	0.6	<small>(<5.1)</small> 0.9	<small>(5.1-5.8)</small> 15.7	<small>(5.9-6.9)</small> 62.5	<small>(7.0-7.5)</small> 16.9	<small>(>7.5)</small> 4.0
CEC, meq/100g	11.9	5.1	<small>(<3.1)</small> 0.4	<small>(3.1-8.0)</small> 21.5	<small>(8.1-15.0)</small> 56.7	<small>(15.1-25.0)</small> 19.7	<small>(>25.0)</small> 1.6
Sulfur (S), ppm	7	4.7	<small>(<4)</small> 6.1	<small>(4-7)</small> 59.1	<small>(8-12)</small> 31.9	<small>(13-17)</small> 1.7	<small>(>17)</small> 1.2
Zinc (Zn), ppm	3.0	4.1	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 73.6	<small>(3.0-4.9)</small> 19.0	<small>(5.0-10.0)</small> 5.1	<small>(>10.0)</small> 2.3
Manganese (Mn), ppm	50	17	<small>(<6)</small>	<small>(6-14)</small> 0.2	<small>(15-19)</small> 5.2	<small>(20-49)</small> 51.1	<small>(>49)</small> 43.6
Iron (Fe), ppm	43	28		<small>(<5)</small> 1.0	<small>(5-9)</small> 1.6	<small>(10-50)</small> 68.4	<small>(>50)</small> 29.0
Copper (Cu), ppm	1.5	0.7		<small>(<0.4)</small>	<small>(0.4-1.1)</small> 32.4	<small>(1.2-3.0)</small> 64.4	<small>(>3.0)</small> 3.3
Boron (B), ppm	0.6	0.3	<small>(<0.4)</small> 28.3	<small>(0.4-0.5)</small> 27.9	<small>(0.6-1.2)</small> 39.4	<small>(1.3-2.5)</small> 4.3	<small>(>2.5)</small> 0.1
Nitrate (NO3-N), ppm	22.6	17.8	<small>(<5)</small> 25.0	<small>(5-9)</small> 12.5	<small>(10-19)</small> 12.5	<small>(20-39)</small> 25.0	<small>(>39)</small> 25.0
Ammonium (NH4-N), ppm	4.4	0.8	<small>(<5)</small>	<small>(5-9)</small> 100.0	<small>(10-19)</small>	<small>(20-39)</small>	<small>(>39)</small>