



Southeast 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,%	2.9	1.0	<small>(<1.0)</small> 0.1	<small>(1.0-2.5)</small> 43.0	<small>(2.5-5.0)</small> 53.7	<small>(5.0-7.0)</small> 3.1	<small>(7.0+)</small> 0.1
Phosphorus (P1), ppm	29	22	<small>(<10)</small> 8.1	<small>(10-20)</small> 29.8	<small>(20-30)</small> 25.4	<small>(30-50)</small> 23.6	<small>(50+)</small> 13.1
Bicarbonate P, ppm	23		<small>(<5)</small>	<small>(5-15)</small>	<small>(15-25)</small> 100.0	<small>(25-45)</small>	<small>(45+)</small>
Potassium (K), ppm	120	54					
K, % Base Saturation	2.6	0.9	<small>(<0.84)</small> 0.1	<small>(0.84-1.66)</small> 15.8	<small>(1.67-3.32)</small> 63.5	<small>(3.33-4.98)</small> 18.3	<small>(>4.98)</small> 2.4
Magnesium (Mg), ppm	199	128					
Mg, % Base Saturation	12.7	4.3	<small>(<5)</small> 0.5	<small>(5-10)</small> 28.9	<small>(10-15)</small> 44.2	<small>(15-25)</small> 25.1	<small>(25+)</small> 1.4
Calcium (Ca), ppm	1610	649					
Ca, % Base Saturation	66.3	10.5	<small>(<45)</small> 2.8	<small>(45-55)</small> 9.8	<small>(55-75)</small> 69.6	<small>(75-85)</small> 12.8	<small>(85+)</small> 5.0
pH (1:1)	6.2	0.5	<small>(<5.1)</small> 1.4	<small>(5.1-5.8)</small> 21.3	<small>(5.9-6.9)</small> 70.2	<small>(7.0-7.5)</small> 6.6	<small>(>7.5)</small> 0.6
CEC, meq/100g	12.3	4.9	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 20.4	<small>(8.1-15.0)</small> 53.9	<small>(15.1-25.0)</small> 24.4	<small>(>25.0)</small> 1.2
Sulfur (S), ppm	8	16.1	<small>(<4)</small> 3.9	<small>(4-7)</small> 53.5	<small>(8-12)</small> 38.9	<small>(13-17)</small> 2.9	<small>(>17)</small> 0.7
Zinc (Zn), ppm	2.2	2.1	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 88.9	<small>(3.0-4.9)</small> 8.8	<small>(5.0-10.0)</small> 1.6	<small>(>10.0)</small> 0.7
Manganese (Mn), ppm	42	15	<small>(<6)</small>	<small>(6-14)</small> 1.3	<small>(15-19)</small> 11.8	<small>(20-49)</small> 63.9	<small>(>49)</small> 23.1
Iron (Fe), ppm	47	27		<small>(<5)</small> 0.3	<small>(5-9)</small> 0.3	<small>(10-50)</small> 67.2	<small>(>50)</small> 32.2
Copper (Cu), ppm	1.3	0.5		<small>(<0.4)</small> 0.1	<small>(0.4-1.1)</small> 45.7	<small>(1.2-3.0)</small> 53.8	<small>(>3.0)</small> 0.4
Boron (B), ppm	0.4	0.2	<small>(<0.4)</small> 54.1	<small>(0.4-0.5)</small> 29.8	<small>(0.6-1.2)</small> 15.4	<small>(1.3-2.5)</small> 0.6	<small>(>2.5)</small>
Nitrate (NO3-N), ppm	11.9	4.6	<small>(<5)</small>	<small>(5-9)</small> 27.3	<small>(10-19)</small> 66.7	<small>(20-39)</small> 6.1	<small>(>39)</small>
Ammonium (NH4-N), ppm	9.6	9.0	<small>(<5)</small> 13.8	<small>(5-9)</small> 48.3	<small>(10-19)</small> 17.2	<small>(20-39)</small> 10.3	<small>(>39)</small> 10.3