



# Southeast 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	1.8	<small>(&lt;1.0)</small> 0.2	<small>(1.0-2.5)</small> 42.9	<small>(2.5-5.0)</small> 52.0	<small>(5.0-7.0)</small> 4.6	<small>(7.0+)</small> 0.3
Phosphorus (P1), ppm	28	23	<small>(&lt;10)</small> 11.2	<small>(10-20)</small> 34.5	<small>(20-30)</small> 22.4	<small>(30-50)</small> 20.1	<small>(50+)</small> 11.8
Phosphorus (P2), ppm	89	152	<small>(&lt;14)</small> 11.1	<small>(14-29)</small> 33.3	<small>(29-44)</small> 27.8	<small>(44-74)</small> 5.6	<small>(74+)</small> 22.2
Potassium (K), ppm	118	50					
K, % Base Saturation	2.7	1.2	<small>(&lt;0.86)</small> 0.1	<small>(0.86-1.70)</small> 13.3	<small>(1.71-3.39)</small> 68.1	<small>(3.40-5.09)</small> 15.8	<small>(&gt;5.09)</small> 2.7
Magnesium (Mg), ppm	199	127					
Mg, % Base Saturation	13.1	4.4	<small>(&lt;5)</small> 0.5	<small>(5-10)</small> 26.9	<small>(10-15)</small> 43.2	<small>(15-25)</small> 28.1	<small>(25+)</small> 1.3
Calcium (Ca), ppm	1629	636					
Ca, % Base Saturation	69.0	10.2	<small>(&lt;45)</small> 1.5	<small>(45-55)</small> 6.4	<small>(55-75)</small> 66.5	<small>(75-85)</small> 18.3	<small>(85+)</small> 7.3
pH (1:1)	6.4	0.5	<small>(&lt;5.1)</small> 0.5	<small>(5.1-5.8)</small> 13.6	<small>(5.9-6.9)</small> 74.2	<small>(7.0-7.5)</small> 10.4	<small>(&gt;7.5)</small> 1.3
CEC, meq/100g	11.9	4.6	<small>(&lt;3.1)</small>	<small>(3.1-8.0)</small> 19.9	<small>(8.1-15.0)</small> 58.1	<small>(15.1-25.0)</small> 21.1	<small>(&gt;25.0)</small> 0.8
Sulfur (S), ppm	7	3.6	<small>(&lt;4)</small> 3.4	<small>(4-7)</small> 62.8	<small>(8-12)</small> 31.8	<small>(13-17)</small> 1.3	<small>(&gt;17)</small> 0.7
Zinc (Zn), ppm	2.3	2.2	<small>(&lt;1.0)</small> 0.2	<small>(1.1-2.9)</small> 87.0	<small>(3.0-4.9)</small> 9.3	<small>(5.0-10.0)</small> 2.7	<small>(&gt;10.0)</small> 1.0
Manganese (Mn), ppm	43	17	<small>(&lt;6)</small>	<small>(6-14)</small> 1.4	<small>(15-19)</small> 11.3	<small>(20-49)</small> 61.2	<small>(&gt;49)</small> 26.1
Iron (Fe), ppm	45	28		<small>(&lt;5)</small> 0.4	<small>(5-9)</small> 0.6	<small>(10-50)</small> 67.4	<small>(&gt;50)</small> 31.6
Copper (Cu), ppm	1.4	0.9		<small>(&lt;0.4)</small>	<small>(0.4-1.1)</small> 40.7	<small>(1.2-3.0)</small> 58.3	<small>(&gt;3.0)</small> 1.0
Boron (B), ppm	0.4	0.3	<small>(&lt;0.4)</small> 58.6	<small>(0.4-0.5)</small> 27.0	<small>(0.6-1.2)</small> 13.7	<small>(1.3-2.5)</small> 0.6	<small>(&gt;2.5)</small> 0.1
Nitrate (NO3-N), ppm	7.2	6.3	<small>(&lt;5)</small> 50.0	<small>(5-9)</small> 25.0	<small>(10-19)</small> 25.0	<small>(20-39)</small>	<small>(&gt;39)</small>
Ammonium (NH4-N), ppm	4.0	1.5	<small>(&lt;5)</small> 50.0	<small>(5-9)</small> 50.0	<small>(10-19)</small>	<small>(20-39)</small>	<small>(&gt;39)</small>