

# Southwest Illinois

## 2018 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,%	2.6	0.7	<small>(&lt;1.0)</small> 0.1	<small>(1.0-2.5)</small> 57.9	<small>(2.5-5.0)</small> 41.1	<small>(5.0-7.0)</small> 0.8	<small>(7.0+)</small> 0.1
Phosphorus (P1), ppm	32	31	<small>(&lt;10)</small> 9.0	<small>(10-20)</small> 27.0	<small>(20-30)</small> 23.6	<small>(30-50)</small> 26.6	<small>(50+)</small> 13.8
Potassium (K), ppm	126	62					
K, % Base Saturation	3.2	1.5	<small>(&lt;0.95)</small> 0.7	<small>(0.95-1.87)</small> 11.8	<small>(1.88-3.74)</small> 61.3	<small>(3.75-5.61)</small> 20.6	<small>(5.61)</small> 6.0
Magnesium (Mg), ppm	197	136					
Mg, % Base Saturation	14.6	5.7	<small>(&lt;5)</small> 0.3	<small>(5-10)</small> 22.4	<small>(10-15)</small> 37.4	<small>(15-25)</small> 35.2	<small>(25+)</small> 4.7
Calcium (Ca), ppm	1433	513					
Ca, % Base Saturation	69.3	12.7	<small>(&lt;45)</small> 3.8	<small>(45-55)</small> 10.8	<small>(55-75)</small> 51.9	<small>(75-85)</small> 20.8	<small>(85+)</small> 12.7
pH (1:1)	6.5	0.6	<small>(&lt;5.1)</small> 0.7	<small>(5.1-5.8)</small> 14.8	<small>(5.9-6.0)</small> 58.2	<small>(7.0-7.5)</small> 22.7	<small>(&gt;7.5)</small> 3.7
CEC, meq/100g	10.5	3.9	<small>(&lt;3.1)</small> 0.1	<small>(3.1-8.0)</small> 27.1	<small>(8.1-16.0)</small> 61.9	<small>(16.1-26.0)</small> 10.3	<small>(&gt;26.0)</small> 0.7
Sulfur (S), ppm	7	10.0	<small>(&lt;4)</small> 3.1	<small>(4-7)</small> 79.3	<small>(8-12)</small> 14.2	<small>(13-17)</small> 1.4	<small>(&gt;17)</small> 2.0
Zinc (Zn), ppm	3.0	2.5	<small>(&lt;1.0)</small>	<small>(1.1-2.9)</small> 66.4	<small>(3.0-4.9)</small> 26.2	<small>(5.0-10.0)</small> 5.7	<small>(&gt;10.0)</small> 1.7
Manganese (Mn), ppm	53	20	<small>(&lt;6)</small>	<small>(6-14)</small> 0.4	<small>(15-19)</small> 5.3	<small>(20-49)</small> 43.7	<small>(&gt;49)</small> 50.6
Iron (Fe), ppm	48	27		<small>(&lt;5)</small> 0.6	<small>(5-9)</small> 0.6	<small>(10-50)</small> 61.4	<small>(&gt;50)</small> 37.3
Copper (Cu), ppm	1.6	0.6		<small>(&lt;0.4)</small>	<small>(0.4-1.1)</small> 25.2	<small>(1.2-3.0)</small> 73.6	<small>(&gt;3.0)</small> 1.1
Boron (B), ppm	0.4	0.2	<small>(&lt;0.4)</small> 48.4	<small>(0.4-0.5)</small> 29.7	<small>(0.6-1.2)</small> 21.0	<small>(1.3-2.5)</small> 0.9	<small>(&gt;2.5)</small>
Nitrate (NO <sub>3</sub> -N), ppm	12.3	9.4	<small>(&lt;5)</small> 14.6	<small>(5-9)</small> 29.2	<small>(10-19)</small> 35.4	<small>(20-39)</small> 19.8	<small>(&gt;39)</small> 1.0
Ammonium (NH <sub>4</sub> -N), ppm	4.0	1.3	<small>(&lt;5)</small> 49.0	<small>(5-9)</small> 51.0	<small>(10-19)</small>	<small>(20-39)</small>	<small>(&gt;39)</small>