



Southwest Wisconsin

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,%	3.5	4.2	<small>(<1.0)</small> 1.5	<small>(1.0-2.5)</small> 34.0	<small>(2.5-5.0)</small> 54.3	<small>(5.0-7.0)</small> 7.3	<small>(7.0+)</small> 2.8
Phosphorus (P1), ppm	38	38	<small>(<10)</small> 9.4	<small>(10-20)</small> 2.7	<small>(20-30)</small> 34.0	<small>(30-50)</small> 11.6	<small>(50+)</small> 22.2
Phosphorus (P2), ppm	86	80	<small>(<14)</small>	<small>(14-29)</small> 15.9	<small>(29-44)</small> 21.1	<small>(44-74)</small> 23.3	<small>(74+)</small> 39.7
Bicarbonate P, ppm	26	3	<small>(<5)</small>	<small>(5-15)</small>	<small>(15-25)</small> 25.0	<small>(25-45)</small> 75.0	<small>(45+)</small>
Potassium (K), ppm	134	74					
K, % Base Saturation	2.9	1.6	<small>(<0.80)</small> 0.5	<small>(0.80-1.57)</small> 13.9	<small>(1.58-3.15)</small> 53.0	<small>(3.16-4.72)</small> 21.9	<small>(>4.72)</small> 10.8
Magnesium (Mg), ppm	409	186					
Mg, % Base Saturation	28.3	7.1	<small>(<5)</small> 0.3	<small>(5-10)</small> 0.9	<small>(10-15)</small> 1.9	<small>(15-25)</small> 12.4	<small>(25+)</small> 84.6
Calcium (Ca), ppm	1356	960					
Ca, % Base Saturation	57.0	8.1	<small>(<45)</small> 5.1	<small>(45-55)</small> 11.0	<small>(55-75)</small> 81.8	<small>(75-85)</small> 1.2	<small>(85+)</small> 0.9
pH (1:1)	6.5	0.7	<small>(<5.1)</small> 1.9	<small>(5.1-5.8)</small> 14.4	<small>(5.9-6.9)</small> 53.8	<small>(7.0-7.5)</small> 26.0	<small>(>7.5)</small> 3.9
CEC, meq/100g	13.1	6.7	<small>(<3.1)</small> 1.1	<small>(3.1-8.0)</small> 25.0	<small>(8.1-15.0)</small> 59.6	<small>(15.1-25.0)</small> 12.8	<small>(>25.0)</small> 1.6
Sulfur (S), ppm	9	13.4	<small>(<4)</small> 3.4	<small>(4-7)</small> 43.8	<small>(8-12)</small> 40.9	<small>(13-17)</small> 7.9	<small>(>17)</small> 3.9
Zinc (Zn), ppm	4.1	2.9	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 38.9	<small>(3.0-4.9)</small> 38.0	<small>(5.0-10.0)</small> 19.6	<small>(>10.0)</small> 3.6
Manganese (Mn), ppm	53	15	<small>(<6)</small> 0.4	<small>(6-14)</small> 0.5	<small>(15-19)</small> 1.2	<small>(20-49)</small> 44.3	<small>(>49)</small> 53.6
Iron (Fe), ppm	29	21		<small>(<5)</small> 5.5	<small>(5-9)</small> 6.6	<small>(10-50)</small> 77.0	<small>(>50)</small> 10.9
Copper (Cu), ppm	1.3	0.9		<small>(<0.4)</small> 0.3	<small>(0.4-1.1)</small> 59.4	<small>(1.2-3.0)</small> 36.9	<small>(>3.0)</small> 3.4
Boron (B), ppm	0.6	0.5	<small>(<0.4)</small> 36.1	<small>(0.4-0.5)</small> 23.5	<small>(0.6-1.2)</small> 30.6	<small>(1.3-2.5)</small> 8.8	<small>(>2.5)</small> 1.0
Nitrate (NO3-N), ppm	14.7	15.6	<small>(<5)</small> 12.3	<small>(5-9)</small> 31.1	<small>(10-19)</small> 38.7	<small>(20-39)</small> 11.3	<small>(>39)</small> 6.6