



Southern Ohio

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,% | 3.3 | 1.3 | <small>(<1.0)</small> 0.1 | <small>(1.0-2.5)</small> 18.1 | <small>(2.5-5.0)</small> 77.6 | <small>(5.0-7.0)</small> 3.4 | <small>(7.0+)</small> 0.8 |
| Phosphorus (P1), ppm | 31 | 32 | <small>(<10)</small> 10.3 | <small>(10-20)</small> 31.2 | <small>(20-30)</small> 23.8 | <small>(30-50)</small> 20.3 | <small>(50+)</small> 14.4 |
| Potassium (K), ppm | 128 | 60 | | | | | |
| K, % Base Saturation | 3.5 | 1.7 | <small>(<0.99)</small> 0.2 | <small>(0.99-1.96)</small> 9.8 | <small>(1.97-3.92)</small> 60.2 | <small>(3.93-5.88)</small> 22.4 | <small>(5.88)</small> 7.4 |
| Magnesium (Mg), ppm | 236 | 111 | | | | | |
| Mg, % Base Saturation | 19.7 | 5.7 | <small>(<5)</small> 0.2 | <small>(5-10)</small> 3.4 | <small>(10-15)</small> 16.4 | <small>(15-25)</small> 63.6 | <small>(25+)</small> 16.3 |
| Calcium (Ca), ppm | 1303 | 626 | | | | | |
| Ca, % Base Saturation | 64.6 | 10.9 | <small>(<45)</small> 4.9 | <small>(45-55)</small> 12.0 | <small>(55-75)</small> 67.6 | <small>(75-85)</small> 12.9 | <small>(85+)</small> 2.7 |
| pH (1:1) | 6.6 | 0.7 | <small>(<5.1)</small> 0.9 | <small>(5.1-5.8)</small> 12.9 | <small>(5.9-6.9)</small> 55.4 | <small>(7.0-7.5)</small> 24.0 | <small>(>7.5)</small> 6.9 |
| CEC, meq/100g | 9.9 | 3.6 | <small>(<3.1)</small> | <small>(3.1-8.0)</small> 32.9 | <small>(8.1-15.0)</small> 59.0 | <small>(15.1-25.0)</small> 7.8 | <small>(>25.0)</small> 0.3 |
| Sulfur (S), ppm | 9 | 8.6 | <small>(<4)</small> 0.5 | <small>(4-7)</small> 37.1 | <small>(8-12)</small> 51.6 | <small>(13-17)</small> 8.1 | <small>(>17)</small> 2.7 |
| Zinc (Zn), ppm | 3.3 | 2.5 | <small>(<1.0)</small> | <small>(1.1-2.9)</small> 62.5 | <small>(3.0-4.9)</small> 25.8 | <small>(5.0-10.0)</small> 9.7 | <small>(>10.0)</small> 2.0 |
| Manganese (Mn), ppm | 48 | 15 | <small>(<6)</small> 0.1 | <small>(6-14)</small> 1.1 | <small>(15-19)</small> 5.0 | <small>(20-49)</small> 52.1 | <small>(>49)</small> 41.8 |
| Iron (Fe), ppm | 40 | 22 | | <small>(<5)</small> 0.4 | <small>(5-9)</small> 0.6 | <small>(10-50)</small> 78.7 | <small>(>50)</small> 20.3 |
| Copper (Cu), ppm | 1.8 | 1.2 | | <small>(<0.4)</small> 0.6 | <small>(0.4-1.1)</small> 28.1 | <small>(1.2-3.0)</small> 62.4 | <small>(>3.0)</small> 8.9 |
| Boron (B), ppm | 0.5 | 0.3 | <small>(<0.4)</small> 42.8 | <small>(0.4-0.5)</small> 29.2 | <small>(0.6-1.2)</small> 25.7 | <small>(1.3-2.5)</small> 2.0 | <small>(>2.5)</small> 0.2 |
| Nitrate (NO3-N), ppm | 57.4 | 41.3 | <small>(<5)</small> | <small>(5-9)</small> 16.7 | <small>(10-19)</small> 16.7 | <small>(20-39)</small> | <small>(>39)</small> 66.7 |
| Ammonium (NH4-N), ppm | 4.0 | 3.0 | <small>(<5)</small> 50.0 | <small>(5-9)</small> 33.3 | <small>(10-19)</small> 16.7 | <small>(20-39)</small> | <small>(>39)</small> |