

Soil Analysis Report

Summary

This report provides an analysis of soil data collected from the samples.

Soil Quality: Acidic

Data Metrics

Mean Values

Metric	Value
ph_level	0.51
organic_matter	0.425
nitrogen	0.51
phosphorus	0.461
potassium	0.46
calcium	0.543
magnesium	0.523
sulfur	0.5
depth_cm	0.45

Standard Deviation

Metric	Value
ph_level	0.32
organic_matter	0.321
nitrogen	0.32
phosphorus	0.318
potassium	0.32

calcium	0.348
magnesium	0.324
sulfur	0.336
depth_cm	0.329

Fertilizer Recommendations

Model not trained. Please train the model first.

Soil Improvement Recommendations

Based on the analysis, the following recommendations are suggested:

- Consider adding lime to increase pH

Conclusion

This soil analysis report provides guidance for optimal soil management. For best results, implement the recommendations and perform regular soil testing.

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