

FLAHA PA

FLAHASOIL

SOIL ANALYSIS REPORT

Professional Water Characteristics Analysis

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Plan: PROFESSIONAL

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APPENDICES

1. SOIL PROPERTIES

COMPOSITION ANALYSIS

<div><div>Sand Content</div><div>15.3%</div></div>	<div><div>Clay Content</div><div>68.2%</div></div>
<div><div>Silt Content</div><div>16.5%</div></div>	<div><div>Organic Matter</div><div>4.8%</div></div>

PHYSICAL CHARACTERISTICS

<div><div>Texture Class</div><div>clay</div></div>	<div><div>Particle Density</div><div>2.65 g/cm³</div></div>
<div><div>Porosity</div><div>N/A%</div></div>	<div><div>Void Ratio</div><div>1.07</div></div>

BULK DENSITY ANALYSIS

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2. SOIL TEXTURE CLASSIFICATION

USDA TRIANGLE CLASSIFICATION



Classification

clay

Confidence Level

High

PARTICLE SIZE DISTRIBUTION

Particle Size Distribution Chart

Dominant Particle

Clay

Secondary Particle

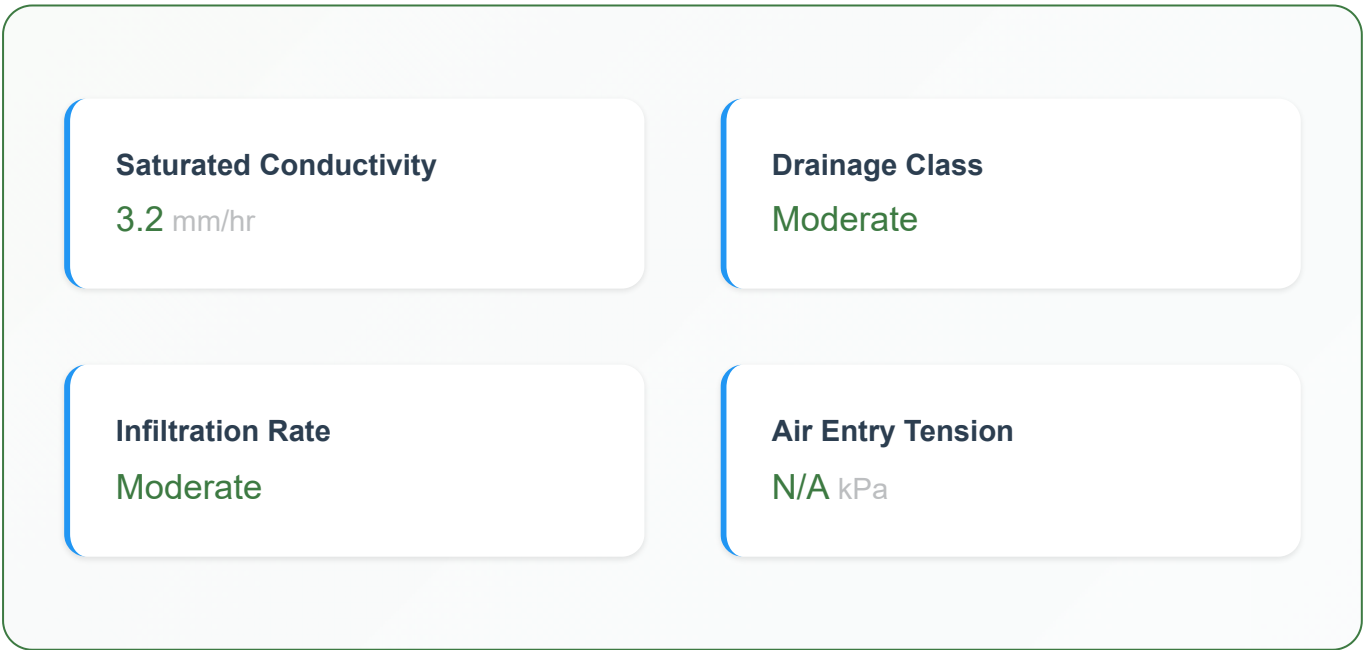
Silt

3. SOIL ANALYSIS RESULTS

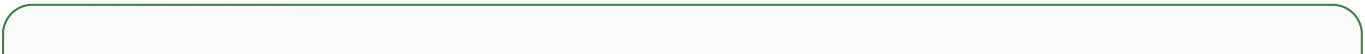
WATER CHARACTERISTICS



HYDRAULIC PROPERTIES



QUALITY INDICATORS



4. CROP RECOMMENDATIONS

SUITABLE CROPS

EXCELLENT MATCH:

- Rice
- Cotton
- Soybeans

GOOD MATCH:

- Corn
- Wheat
- Vegetables (with drainage)

MANAGEMENT PRACTICES

- Avoid tillage when soil moisture is high
- Use controlled traffic patterns to prevent compaction
- Consider drainage improvements
- Monitor soil compaction regularly

IRRIGATION GUIDELINES

FLAHA ECOSYSTEM

FLAHA AGRI TECH

Agricultural Technology
Solutions

FLAHA PA

Precision Agriculture
Platform

FLAHA LA

Laboratory Analytics

FLAHA AG

Agricultural Consulting