

FLAHA PA

FLAHASOIL

SOIL ANALYSIS REPORT

Professional Water Characteristics Analysis

GENERATED FOR:

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REPORT INFORMATION:

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Plan: PROFESSIONAL

Based on Saxton & Rawls (2006) Methodology
Professional Soil Water Characteristics Analysis

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APPENDICES

- Methodology Reference
- Confidence Intervals
- Technical Notes

1. SOIL PROPERTIES

COMPOSITION ANALYSIS



PHYSICAL CHARACTERISTICS

Texture Class

loam

Particle Density

2.65 g/cm³

Porosity

N/A%

Void Ratio

0.96

BULK DENSITY ANALYSIS

Calculated (Equation 6)

1.35 g/cm³

Input (Measured)

N/A g/cm³

Difference

N/A g/cm³

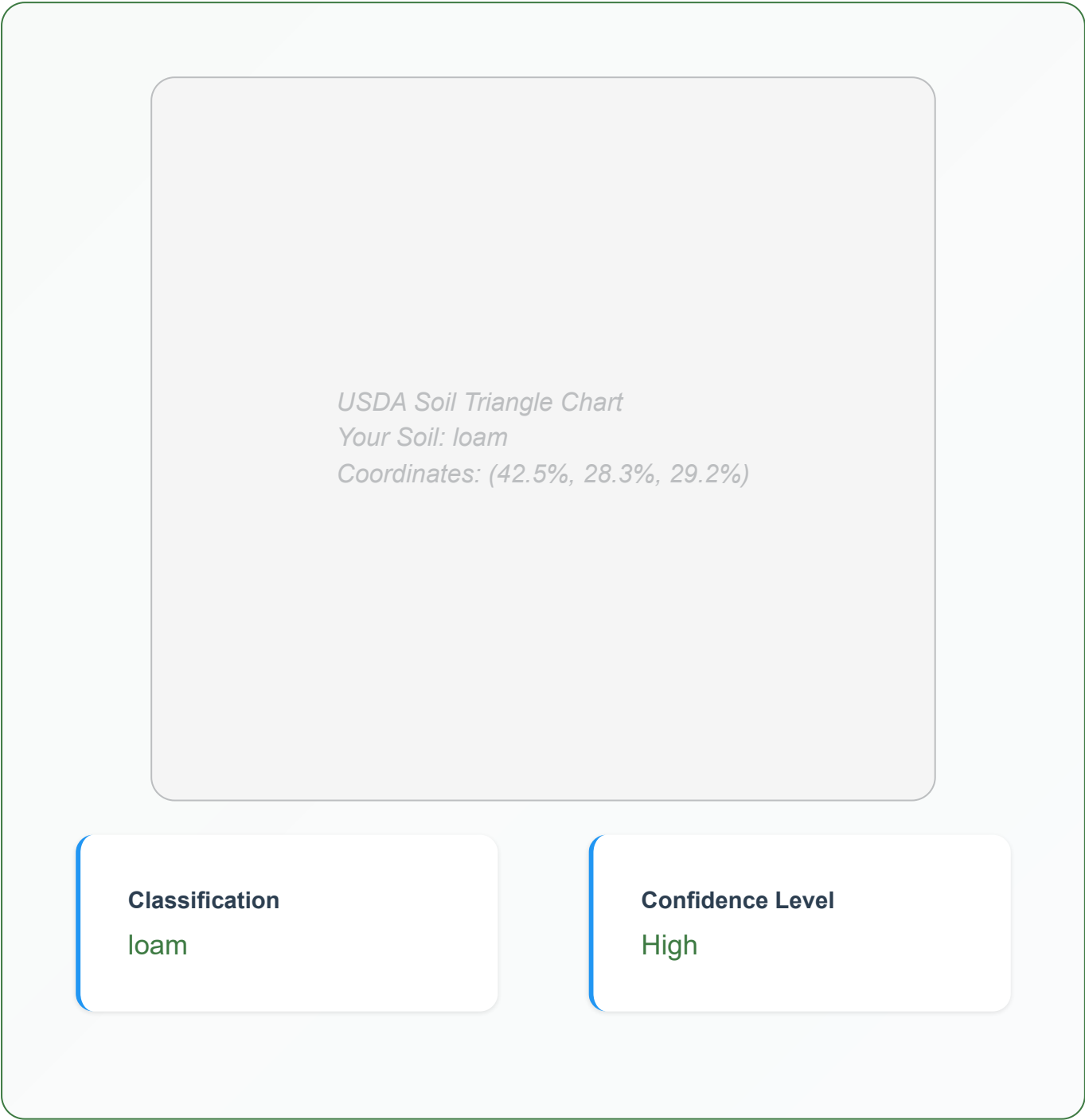
Status

N/A

Bulk Density Comparison Chart

2. SOIL TEXTURE CLASSIFICATION

USDA TRIANGLE CLASSIFICATION



PARTICLE SIZE DISTRIBUTION

Particle Size Distribution Chart

Dominant Particle

Sand

Secondary Particle

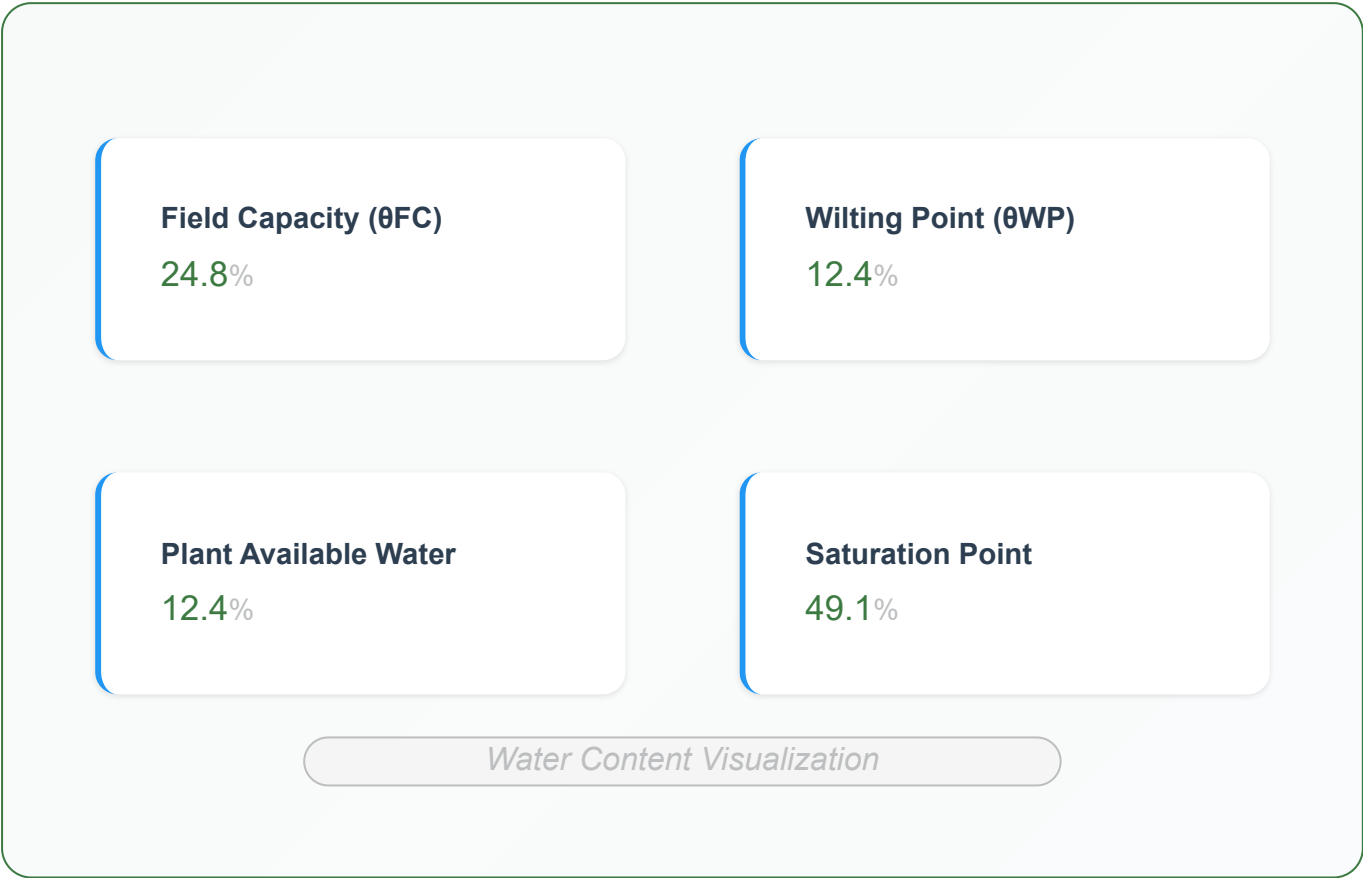
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TEXTURE ANALYSIS

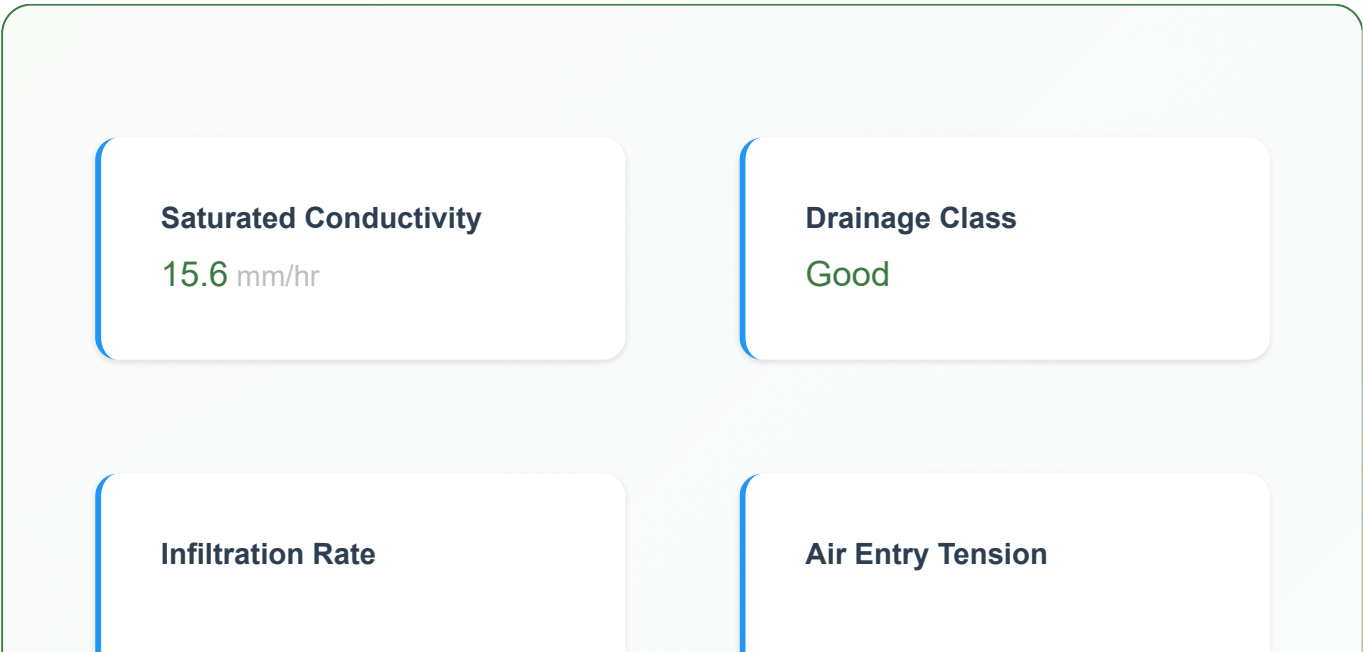
- **Drainage Characteristics:** Good to Moderate
- **Water Retention:** Moderate
- **Workability:** Moderate
- **Nutrient Retention:** Moderate

3. SOIL ANALYSIS RESULTS

WATER CHARACTERISTICS



HYDRAULIC PROPERTIES



High

N/A kPa

QUALITY INDICATORS

Soil Quality Index

N/A/10

Compaction Risk

N/A

Erosion Risk

N/A

Overall Rating

N/A

4. CROP RECOMMENDATIONS

SUITABLE CROPS

EXCELLENT MATCH:

- Corn
- Wheat
- Vegetables

GOOD MATCH:

- Rice
- Cotton
- Root crops

MANAGEMENT PRACTICES

- Maintain balanced tillage practices
- Monitor soil moisture for optimal timing
- Use crop rotation for soil health

- Apply appropriate fertilization

IRRIGATION GUIDELINES

Irrigation Frequency

Moderate

Water Application Rate

Moderate

Drainage Requirements

Important

Seasonal Considerations

Standard monitoring

Professional Tip:

Loamy soils offer the best balance - adjust irrigation based on crop needs and seasonal conditions.

FLAHA ECOSYSTEM

FLAHA AGRI TECH

Agricultural Technology
Solutions

FLAHA PA

Precision Agriculture
Platform

FLAHA LA

Laboratory Analytics

FLAHA AG

Agricultural Consulting

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