

## Input

1. Soil Health Data
2. Environmental and Climate Factors
3. User Input and Interactions
4. System Configuration Data
5. External Reference Data

## Process

1. Data Capture
2. Data Preparation and Cleaning
3. Machine Learning Analysis
4. Multi-Criteria Decision Analysis (MCDA)

## Output

1. Soil Health Insights
2. Crop Selection Recommendations
3. Fertilizer Recommendations
4. Performance Metrics and Reports
5. User Interface Outputs