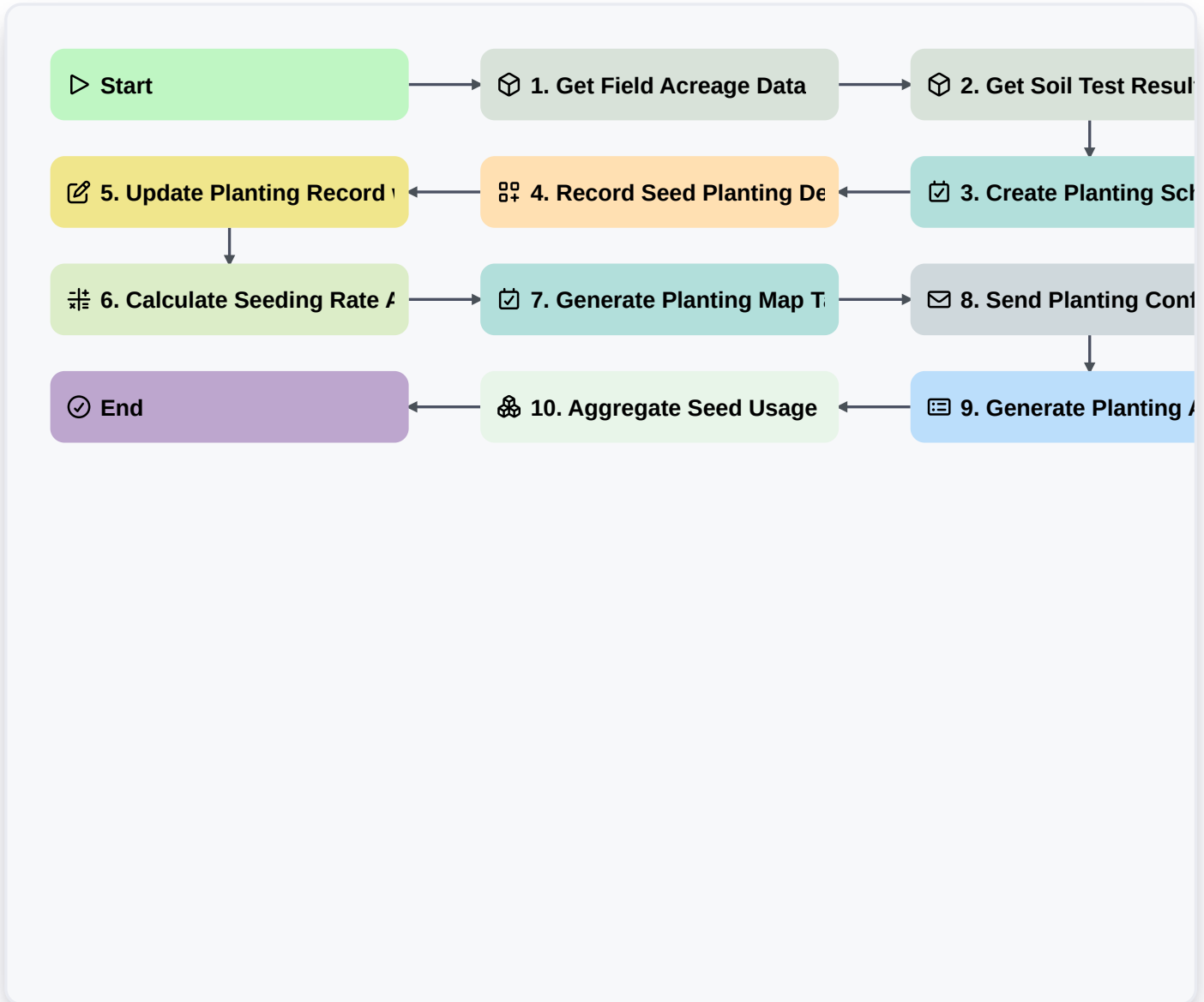


# Precision Agriculture Workflow: Optimized Planting And Cropping Management



▷ **Start**

Start of the Workflow/Process.

 **1. Get Field Acreage Data**

Retrieves spatial boundary and acreage details from the property data model.

 **2. Get Soil Test Results**

Retrieves nutrient levels and soil composition data for the selected field.

 **3. Create Planting Schedule Task**

Generates necessary tasks for planting based on optimal timing and crop requirements.

 **4. Record Seed Planting Details**

Enters specifics like seed type, variety, and planting date into the planting record model.

 **5. Update Planting Record with GPS Coordinates**

Adds precise location data to the initial planting record.

## **6. Calculate Seeding Rate Adjustment**

Executes a formula to adjust seed rate based on soil nutrient test results.

## **7. Generate Planting Map Task**

Creates a follow-up task for creating the actionable planting map.

## **8. Send Planting Confirmation Email**

Notifies farm manager with confirmation and next steps after planting tasks are complete.

## **9. Generate Planting Activity Report**

Compiles a report summarizing all planting activities for compliance and analysis.

## **10. Aggregate Seed Usage Summary**

Sums the total seed amount used across all recent planting tasks.

## **End**

Start of the Workflow/Process.