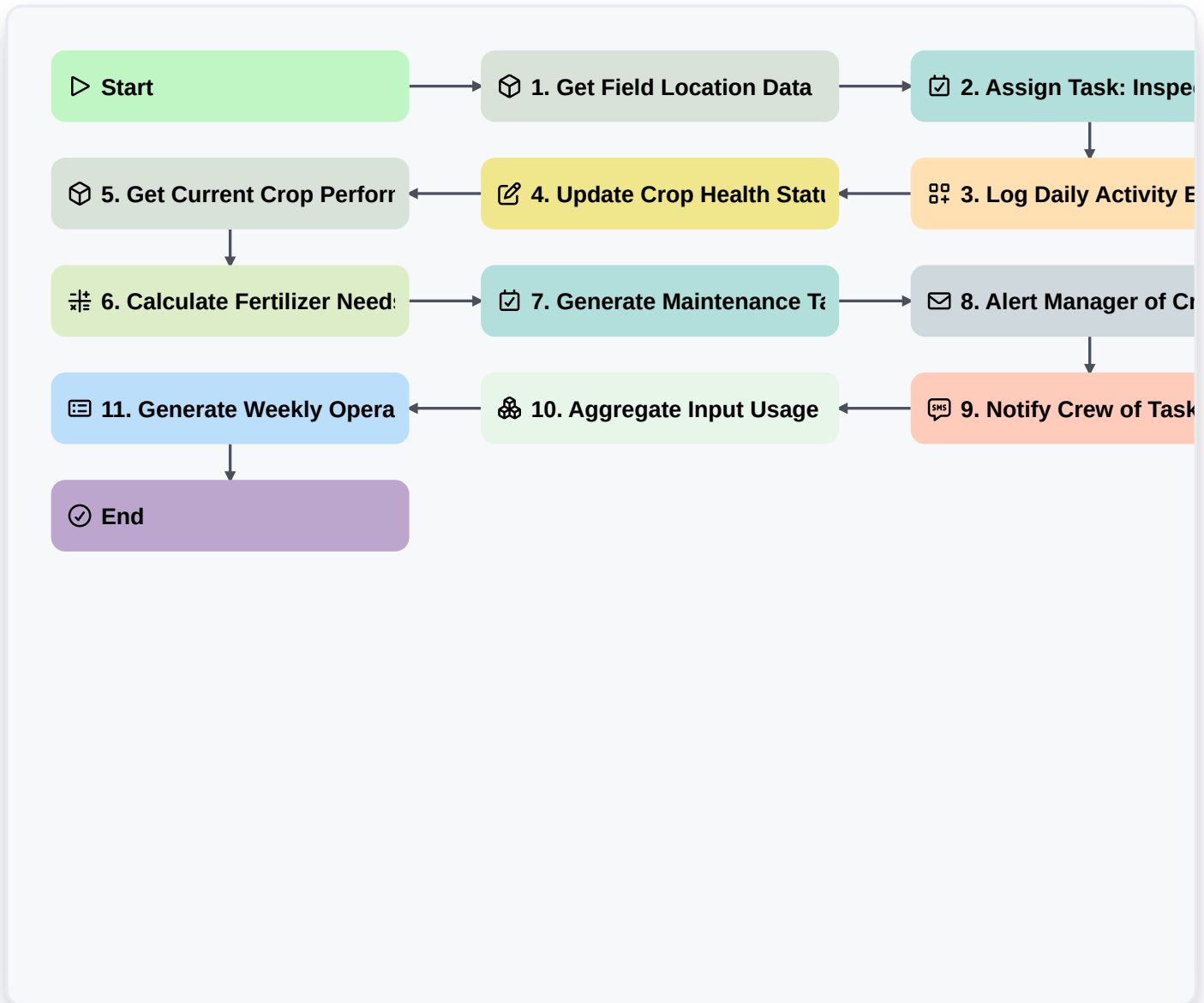


End-To-End Farm Operations Workflow: Agriculture Management Solution



▷ **Start**

Start of the Workflow/Process.

 **1. Get Field Location Data**

Retrieve necessary geographical or field data (e.g., GPS coordinates, acreage size) for the current farm section.

 **2. Assign Task: Inspection Required**

Generate a checklist task for field inspection, assigned to the relevant technician.

 **3. Log Daily Activity Entry**

Record the date, crew members involved, and primary activity performed (e.g., spraying, weeding).

 **4. Update Crop Health Status**

Modify the initial crop record with real-time observations like visual assessment or soil moisture levels.

 **5. Get Current Crop Performance Metrics**

Fetch aggregated data on current crop growth stages, historical yields, or soil test results.

6. Calculate Fertilizer Needs

Execute a formula combining variables like acreage, soil type, and target yield to determine necessary fertilizer amount.

7. Generate Maintenance Task: Equipment Check

Automatically create a service task for necessary machinery maintenance based on operational hours.

8. Alert Manager of Critical Issue

Send an immediate email notification to the farm manager if any monitored parameter (e.g., low water) falls outside acceptable thresholds.

9. Notify Crew of Task Assignment

Send an SMS reminder to the assigned field crew member about their next scheduled task.

10. Aggregate Input Usage Report

Summarize total usage of inputs (seeds, chemicals, water) for the reporting period.

11. Generate Weekly Operational Summary Report

Compile all data entries (tasks completed, inputs used, observations) into a comprehensive, shareable report.

End

Start of the Workflow/Process.