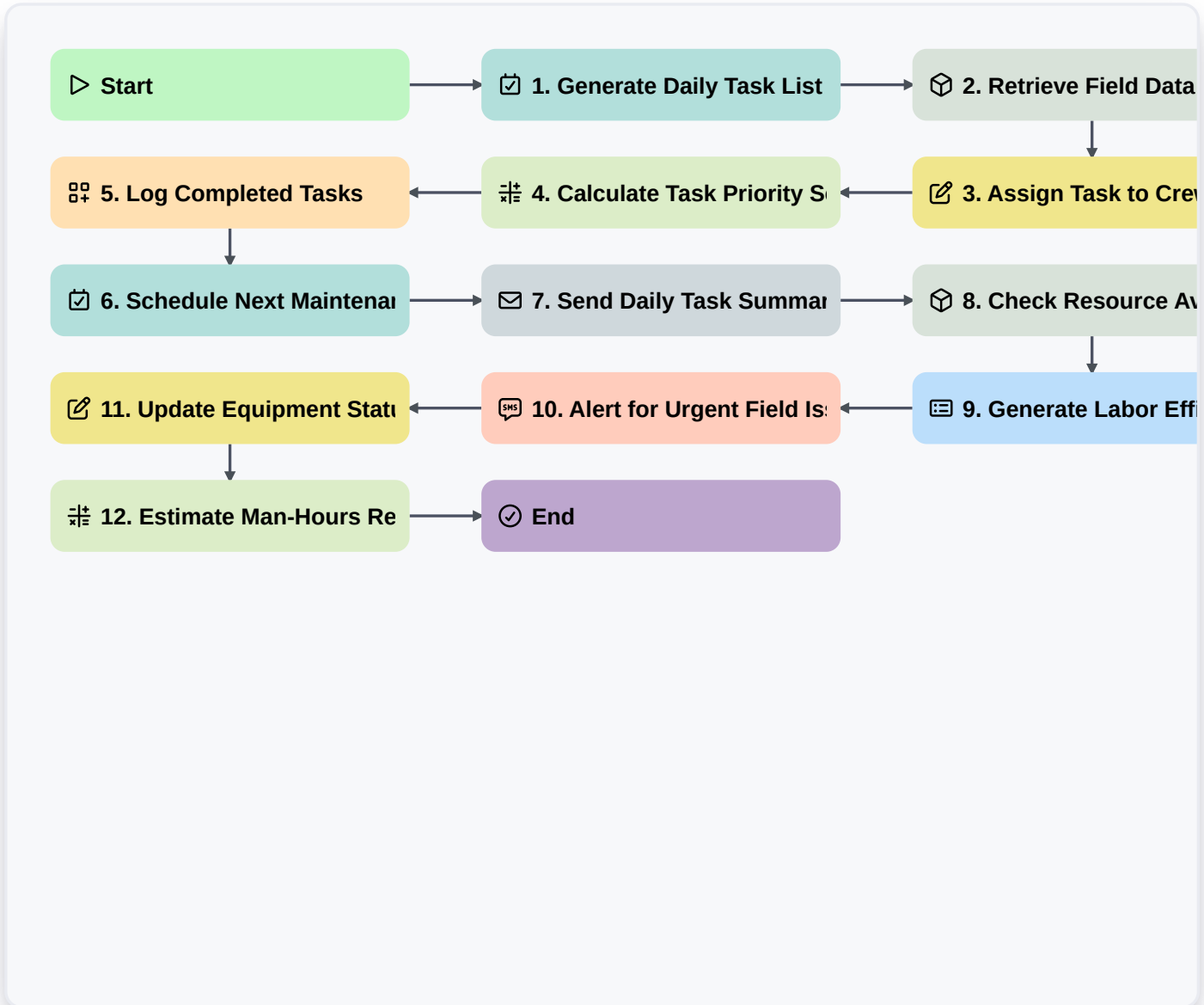


# Field Labor Management Workflow: Optimized Task Assignment For Agriculture



▷ **Start**

Start of the Workflow/Process.

☑ **1. Generate Daily Task List**

Creates a checklist of necessary farming tasks based on location and crop cycle.

📦 **2. Retrieve Field Data**

Gathers current field conditions (soil moisture, weather, etc.) from designated data models.

✍ **3. Assign Task to Crew Member**

Updates task records to assign specific actionable tasks to individual field workers.

📊 **4. Calculate Task Priority Score**

Executes a formula to rank tasks based on urgency, resource needs, and critical timelines.

📁 **5. Log Completed Tasks**

Allows crew members to submit proof-of-completion data (photos, notes) for finished tasks.

📌 **6. Schedule Next Maintenance Task**

Automatically generates and schedules follow-up tasks (e.g., fertilization check) upon task completion.

✉️ **7. Send Daily Task Summary Report**

Sends an end-of-day summary of completed tasks and pending work to farm managers.

📦 **8. Check Resource Availability**

Retrieves real-time inventory levels for required equipment or materials.

📊 **9. Generate Labor Efficiency Report**

Creates a performance report summarizing team members' task completion rates and time allocation.

📱 **10. Alert for Urgent Field Issues**

Sends immediate SMS notifications to supervisors when critical issues (e.g., high pests) are reported.

✍️ **11. Update Equipment Status**

Records the maintenance status and last usage date for farm machinery.

🔢 **12. Estimate Man-Hours Required**

Calculates the necessary labor time based on task scope and required personnel count.

🏁 **End**

Start of the Workflow/Process.