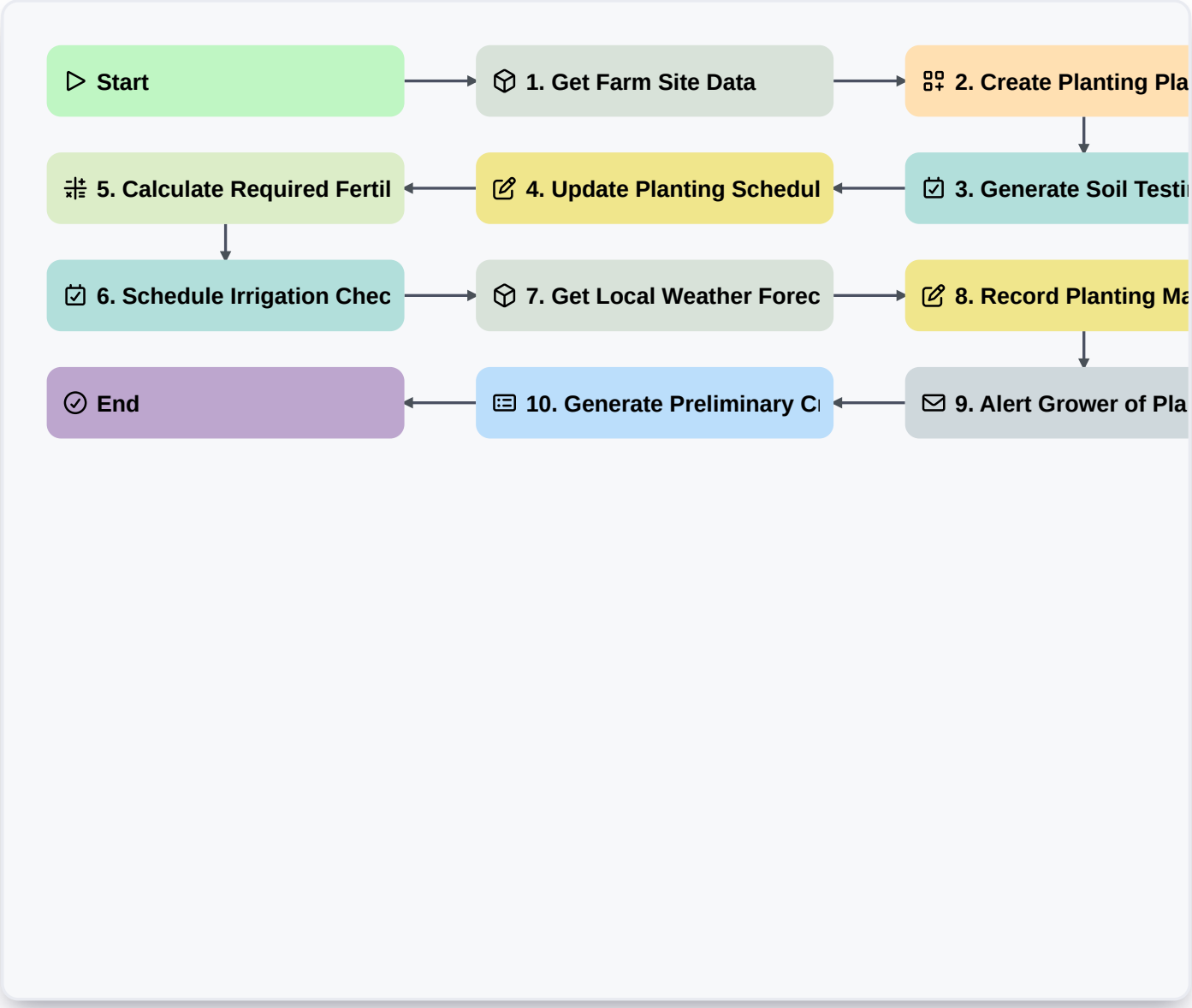
ChecklistGuro

Sustainable Agriculture Planning Workflow: Resource Optimization For Modern Farming



Start
Start of the Workflow/Process.

1. Get Farm Site Data
Retrieves current soil composition, historical yield, and weather data for the specific farm site.

2. Create Planting Plan Entry
Records the intended crop type, acreage, and planting date based on best practices.

3. Generate Soil Testing Task
Creates a task for soil sample collection, assigning it to the technician and setting the due date.

4. Update Planting Schedule
Allows updating the planting schedule with necessary adjustments based on initial soil analysis.

5. Calculate Required Fertilizer Dosage
Calculates the optimal amount of NPK fertilizer needed based on soil test results and crop nutrient uptake needs.

6. Schedule Irrigation Check Task
Creates recurring maintenance tasks for irrigation system checks.

7. Get Local Weather Forecast
Retrieves real-time and forecasted weather data impacting crop growth.

8. Record Planting Material Stock
Updates the inventory levels of seeds and seedlings used in the current cycle.

9. Alert Grower of Planting Status
Sends an automated email notification to the farm manager regarding the completion or delay of critical tasks.

10. Generate Preliminary Crop Plan Report
Creates a summary report detailing resource needs and recommended actions for the upcoming season.

End
Start of the Workflow/Process.