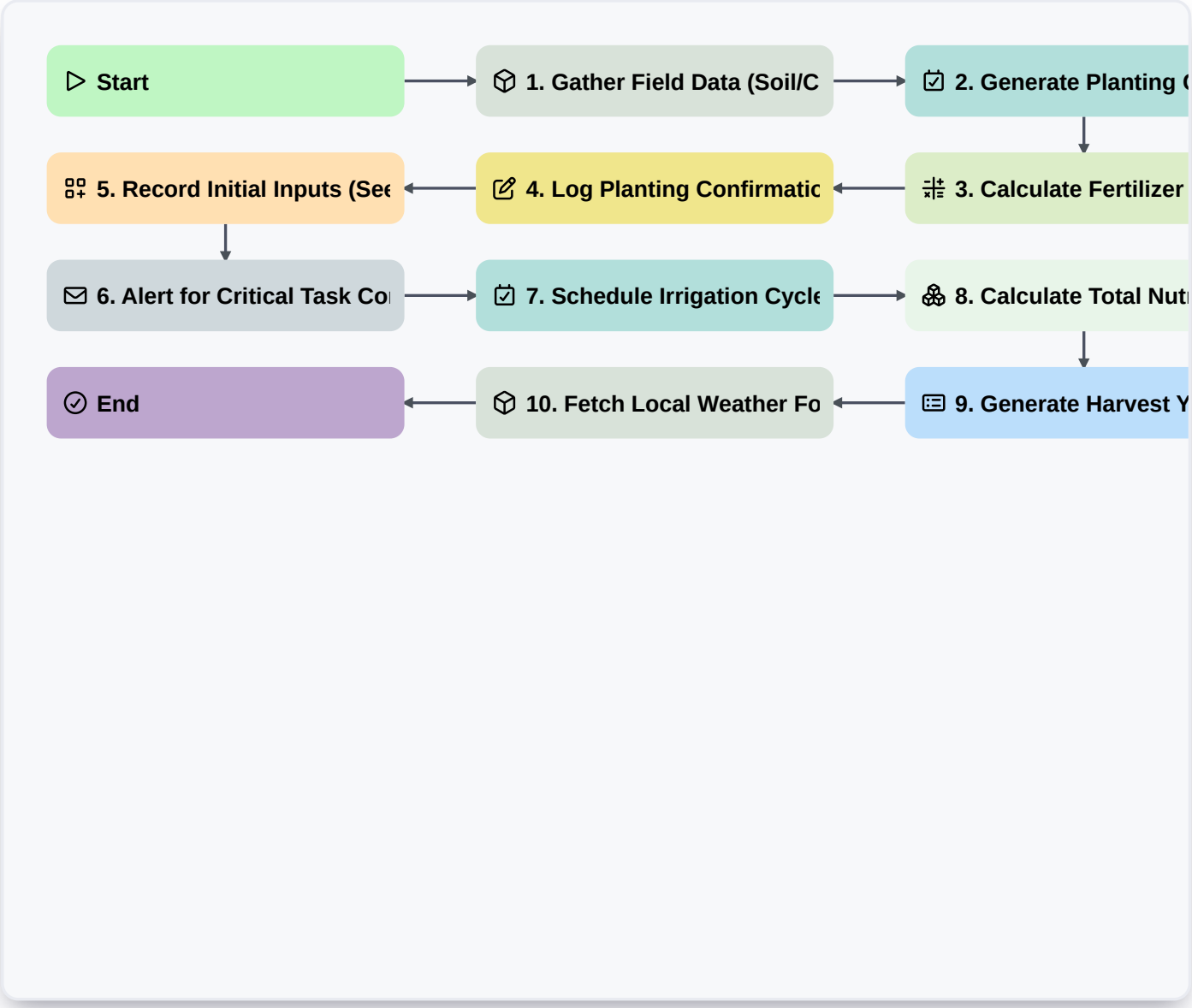
ChecklistGuro

Farm Lifecycle Management Workflow For Modern Agriculture



Start
Start of the Workflow/Process.

1. Gather Field Data (Soil/Crop)
Retrieve initial soil test results or existing crop inventory data from the Farm Data Model.

2. Generate Planting Checklist
Create a set of actionable tasks for the farm crew based on the chosen crop type and field size.

3. Calculate Fertilizer Needs
Execute formula (Required Nutrient / Soil Test Value) to determine precise fertilizer application rates.

4. Log Planting Confirmation
Update the specific field record once planting has been confirmed, including actual start dates.

5. Record Initial Inputs (Seeds/Fertilizer)
Create a new inventory entry detailing the initial purchase and application of seeds or chemicals.

6. Alert for Critical Task Completion
Send automated email notification to the farm manager when pre-harvest maintenance tasks are overdue.

7. Schedule Irrigation Cycle
Assign recurring tasks to the irrigation department based on predicted weather and crop growth stage.

8. Calculate Total Nutrient Usage
Aggregate all fertilizer and pesticide application entries to determine total resource consumption for the current cycle.

9. Generate Harvest Yield Report
Compile a comprehensive report summarizing expected vs. actual yield data upon harvest completion.

10. Fetch Local Weather Forecast
Retrieve current and forecasted weather data to adjust spray timing or irrigation schedules.

End
Start of the Workflow/Process.