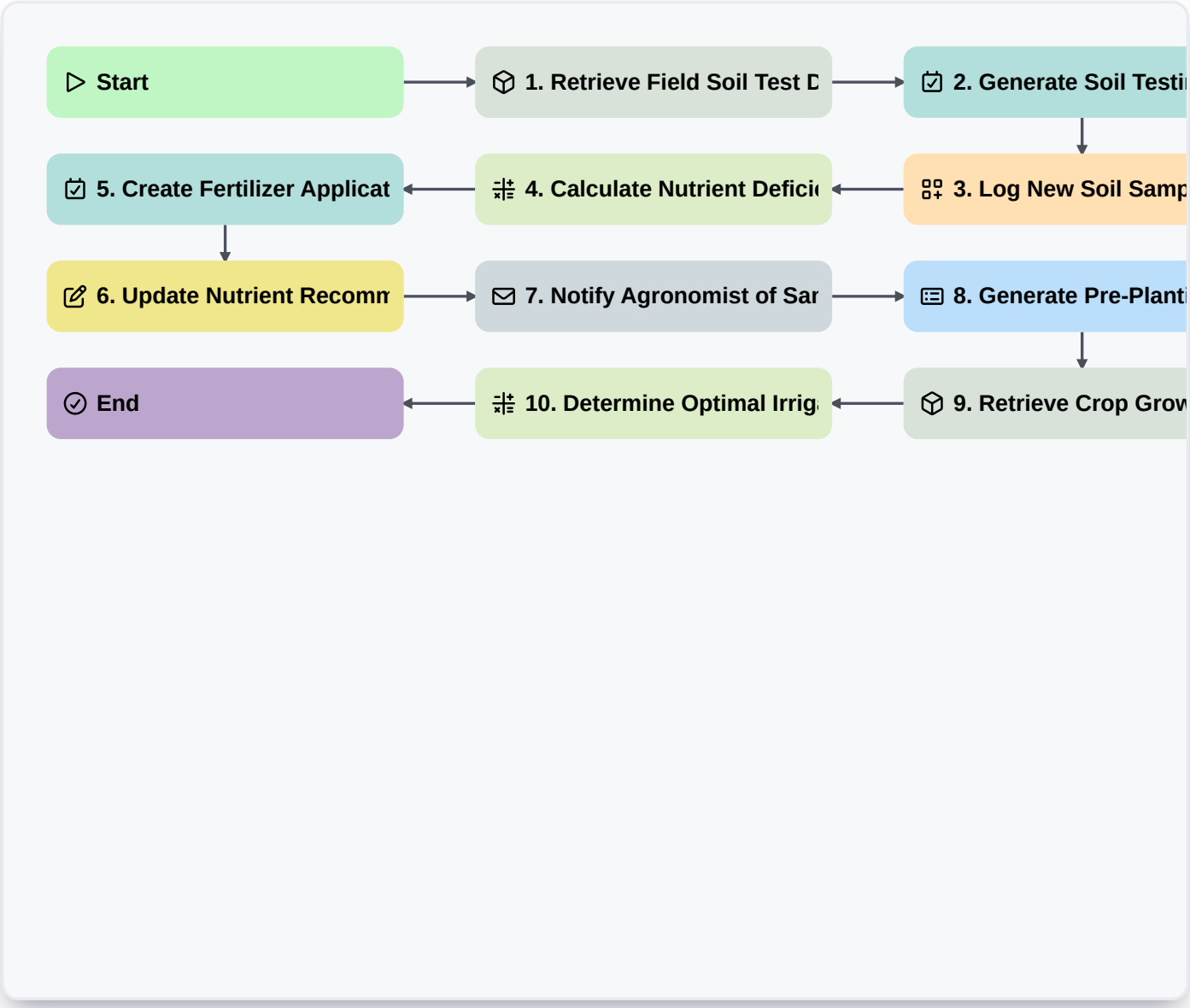
ChecklistGuro

Farm Business Process Automation: Comprehensive Agriculture Workflow For Yield Optimization



Start
Start of the Workflow/Process.

1. Retrieve Field Soil Test Data
Fetch existing soil nutrient levels and analysis reports for the current field location.

2. Generate Soil Testing Sampling Tasks
Automatically create actionable tasks for soil sampling based on historical data and zone requirements.

3. Log New Soil Sample Result
Input and store the results from the physical soil testing process.

4. Calculate Nutrient Deficiency Score
Calculate a composite score (e.g., N-P-K) to determine immediate nutrient needs.

5. Create Fertilizer Application Task
Generate a specific work order for necessary fertilizer application based on the calculated score.

6. Update Nutrient Recommendation Records
Update the farm's master record with the recommended fertilizer type, rate, and timing.

7. Notify Agronomist of Sampling Completion
Send an email alert to the agronomist with the new soil test data attached for review.

8. Generate Pre-Planting Soil Analysis Report
Compile all soil data, recommendations, and action items into a comprehensive report for the farm owner.

9. Retrieve Crop Growth Stage Data
Get the current developmental stage of the specific crop (e.g., vegetative, flowering) to tailor recommendations.

10. Determine Optimal Irrigation Needs
Calculate required water volume based on crop growth stage, weather forecast, and soil type.

End
Start of the Workflow/Process.