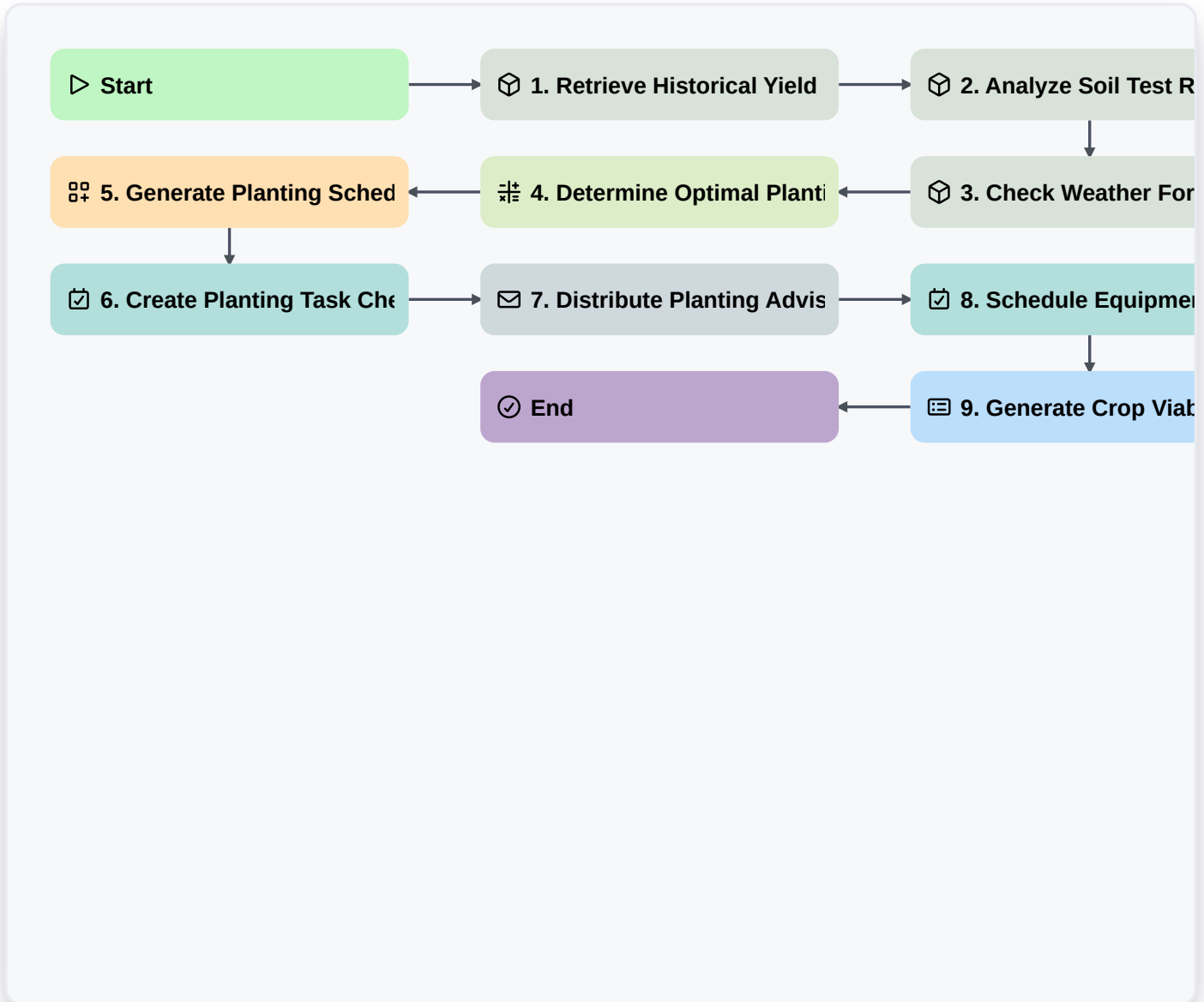


Smart Crop Planning Workflow For Agriculture: Boost Yield & Efficiency



▶ Start

Start of the Workflow/Process.

📦 1. Retrieve Historical Yield Data

Gather past yield data for specific crops and fields to set performance baselines.

📦 2. Analyze Soil Test Results

Import and retrieve current soil nutrient and pH data for targeted inputs.

📦 3. Check Weather Forecasts

Fetch local and upcoming weather pattern data for planting/treatment timing.

🔢 4. Determine Optimal Planting Density

Calculate ideal seed spacing using crop type, soil type, and historical yield data.

🔢 5. Generate Planting Schedule

Create a structured planting plan detailing optimal dates and required inputs for various zones.

☑ **6. Create Planting Task Checklist**

Automatically generate sequential tasks (e.g., Soil Prep, Seed Purchase, Planting) for farm crews.

✉ **7. Distribute Planting Advisory Email**

Send confirmation and best practices email to farm managers and team leaders.

☑ **8. Schedule Equipment Check**

Assign necessary equipment maintenance tasks before planting activities begin.

📄 **9. Generate Crop Viability Report**

Compile preliminary report summarizing planting requirements and predicted outcomes.

☑ **End**

Start of the Workflow/Process.