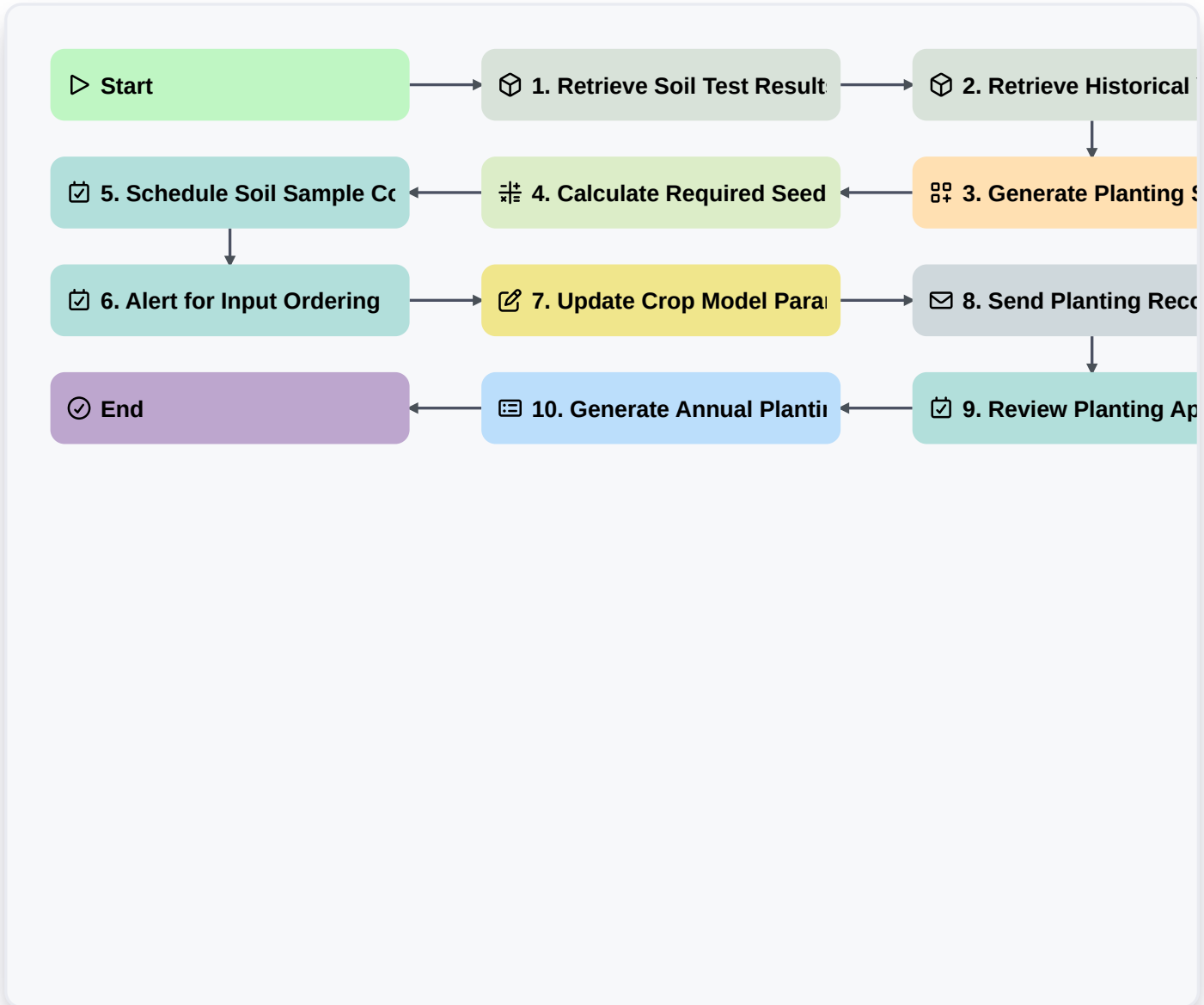


# Modern Crop Planning Workflow: Advanced Agriculture Process Management



**Start**

Start of the Workflow/Process.

**1. Retrieve Soil Test Results**

Retrieve current soil nutrient levels and pH data.

**2. Retrieve Historical Yield Data**

Get previous years' harvest yields and performance metrics for comparison.

**3. Generate Planting Schedule**

Creates a detailed, data-driven planting calendar based on soil and market data.

**4. Calculate Required Seed Volume**

Calculate necessary seed quantity using acreage and target density formula (e.g., Acres \* Target Plants/Acre).

**5. Schedule Soil Sample Collection**

Automatically generate tasks for soil testing personnel.

☑ **6. Alert for Input Ordering**

Create purchase order tasks for seeds and fertilizer based on calculated needs.

✍ **7. Update Crop Model Parameters**

Adjust optimal planting dates or varieties based on current weather forecasts.

✉ **8. Send Planting Recommendation Report**

Email the final, optimized planting plan to farm managers and stakeholders.

☑ **9. Review Planting Approval**

Assign review task to the agronomist before implementation.

📄 **10. Generate Annual Planting Plan Report**

Compile comprehensive report detailing the entire year's initial crop plan.

☑ **End**

Start of the Workflow/Process.