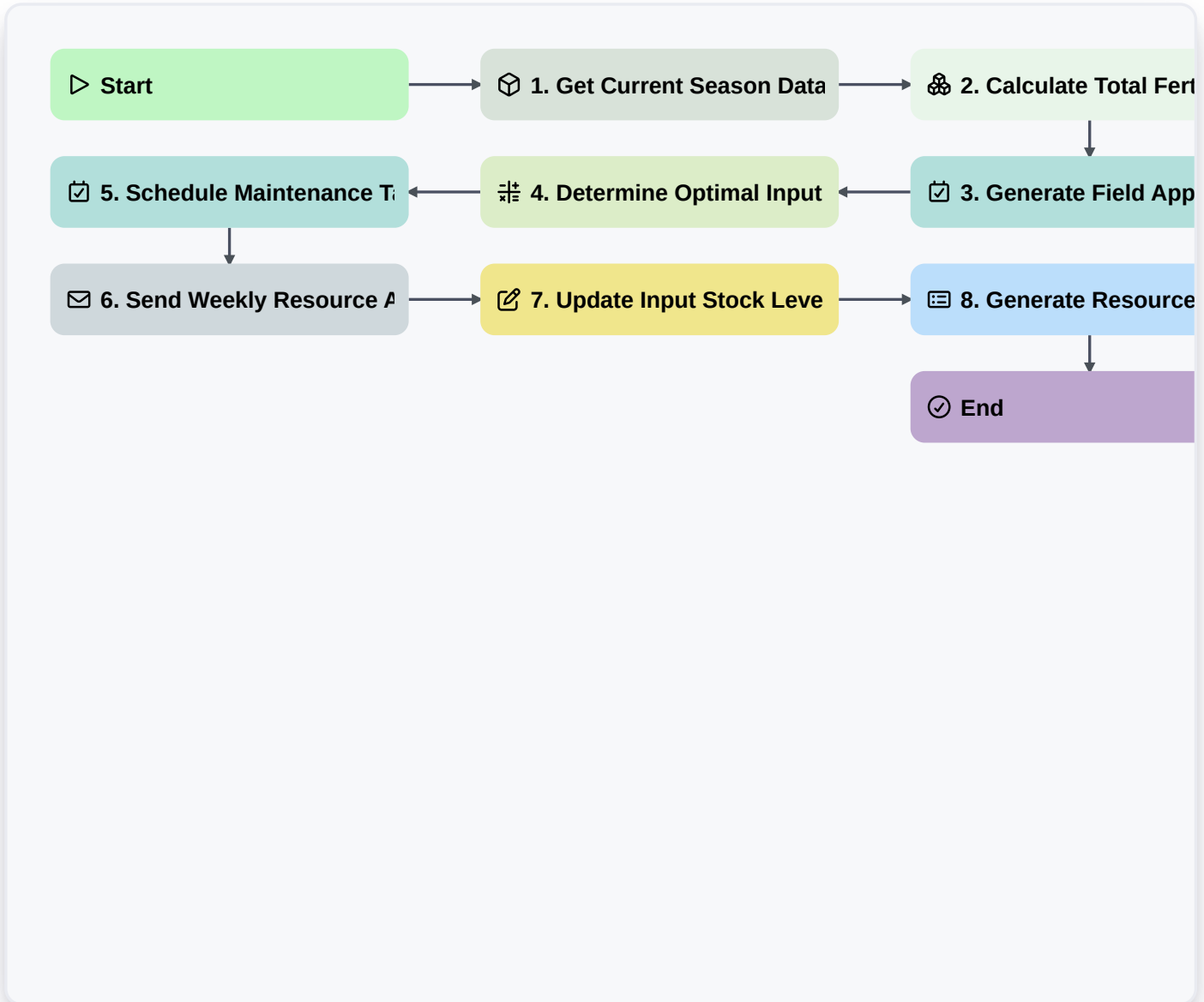


Optimize Farm Resource Management: Workflow For Agriculture Industry



▷ **Start**

Start of the Workflow/Process.

 **1. Get Current Season Data**

Retrieves necessary baseline data like current crop type, acreage, and historical resource usage.

 **2. Calculate Total Fertilizer Needs**

Aggregates required amounts of various inputs (fertilizer, water, pesticides) based on total acreage and crop requirements.

 **3. Generate Field Application Tasks**

Automatically creates actionable tasks for necessary field work (e.g., fertilization, irrigation, pest control) for assigned users.

 **4. Determine Optimal Input Mix**

Applies formulas to balance nutrient needs vs. available resources to recommend the ideal input mix.

📌 **5. Schedule Maintenance Tasks**

Creates preventative maintenance checklist tasks for machinery based on anticipated operational time.

✉ **6. Send Weekly Resource Alert**

Sends an automated email summary of resource levels, upcoming needs, and any potential bottlenecks to farm managers.

✍ **7. Update Input Stock Levels**

Updates the inventory record of consumed resources (seeds, chemicals) after tasks are completed.

📄 **8. Generate Resource Usage Report**

Compiles a detailed report summarizing all inputs consumed, comparing planned vs. actual usage for accountability.

🏁 **End**

Start of the Workflow/Process.