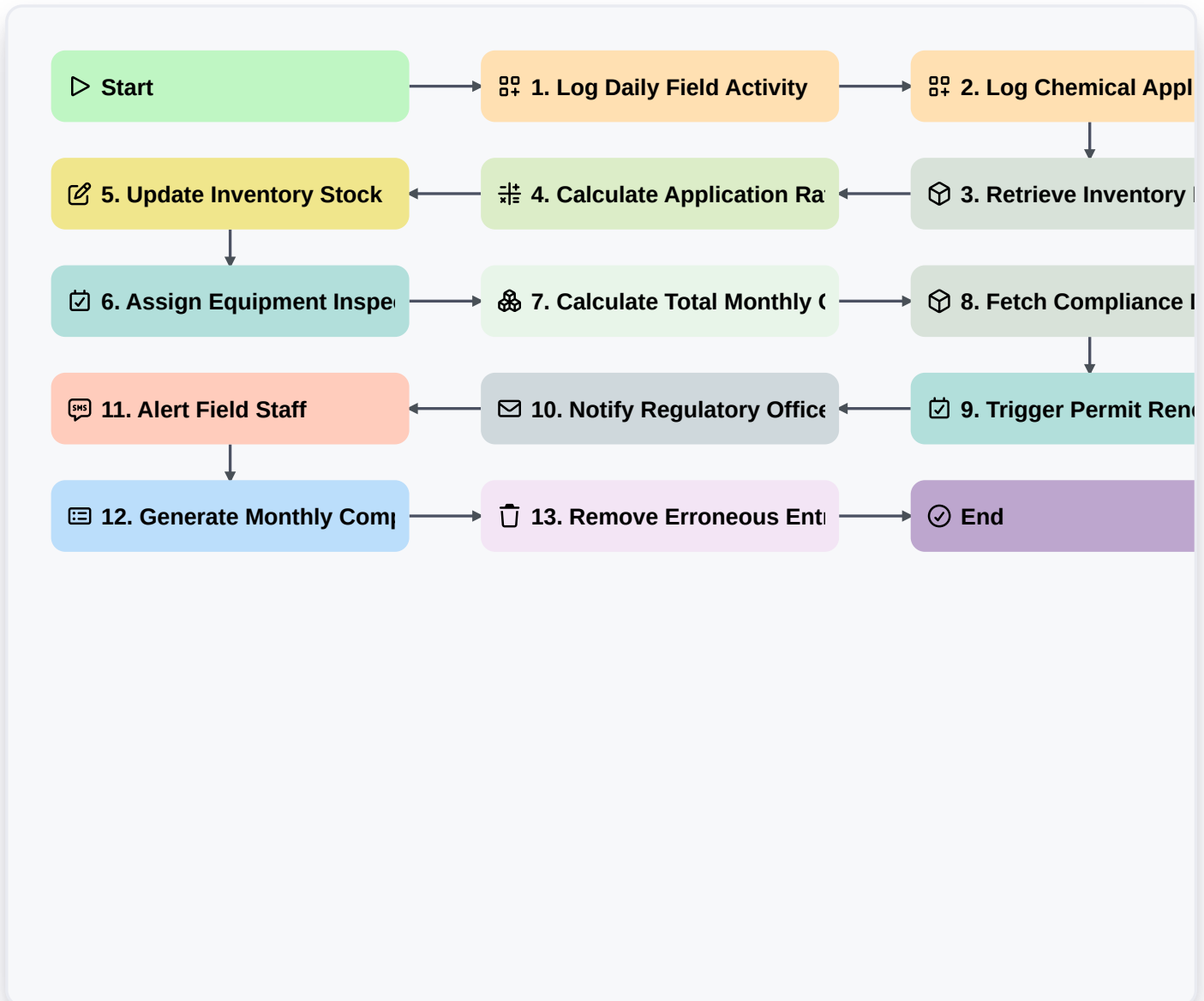


# Farm Record Keeping And Compliance Management Process



## ▷ Start

Start of the Workflow/Process.

## ☞ 1. Log Daily Field Activity

Create a new entry in the 'Daily Logs' data model to record activities like planting, fertilizing, or spraying.

## ☞ 2. Log Chemical Application

Create an entry in the 'Chemical Usage' data model including batch numbers, dosage, and weather conditions.

## 📦 3. Retrieve Inventory Levels

Fetch current stock levels from the 'Supplies & Pesticides' data model to check against required dosage.

## ☞ 4. Calculate Application Rate

Calculate the required chemical volume per acre based on total area and concentration instructions.

## ✍️ 5. Update Inventory Stock

Deduct the amount of chemical/fertilizer used from the 'Supplies & Pesticides' data model.



### **6. Assign Equipment Inspection**

Create a task for the Maintenance Manager to inspect the sprayer used during the application.

### **7. Calculate Total Monthly Chemical Spend**

Sum the costs of all entries in the 'Chemical Usage' data model for the current month.

### **8. Fetch Compliance Deadlines**

Retrieve upcoming certification or permit expiration dates from the 'Compliance & Permits' data model.

### **9. Trigger Permit Renewal Task**

Create a task for the Farm Owner when a permit expiration date is approaching.

### **10. Notify Regulatory Officer**

Send an email notification to the relevant authority if a high-toxicity chemical application is logged.

### **11. Alert Field Staff**

Send an SMS to the field crew regarding urgent weather-related changes to the application schedule.

### **12. Generate Monthly Compliance Audit Report**

Generate a summary report containing all field logs and chemical applications for the monthly audit.

### **13. Remove Erroneous Entry**

Delete a mistakenly entered log or application record to maintain data integrity.

### **End**

End of the Workflow/Process.