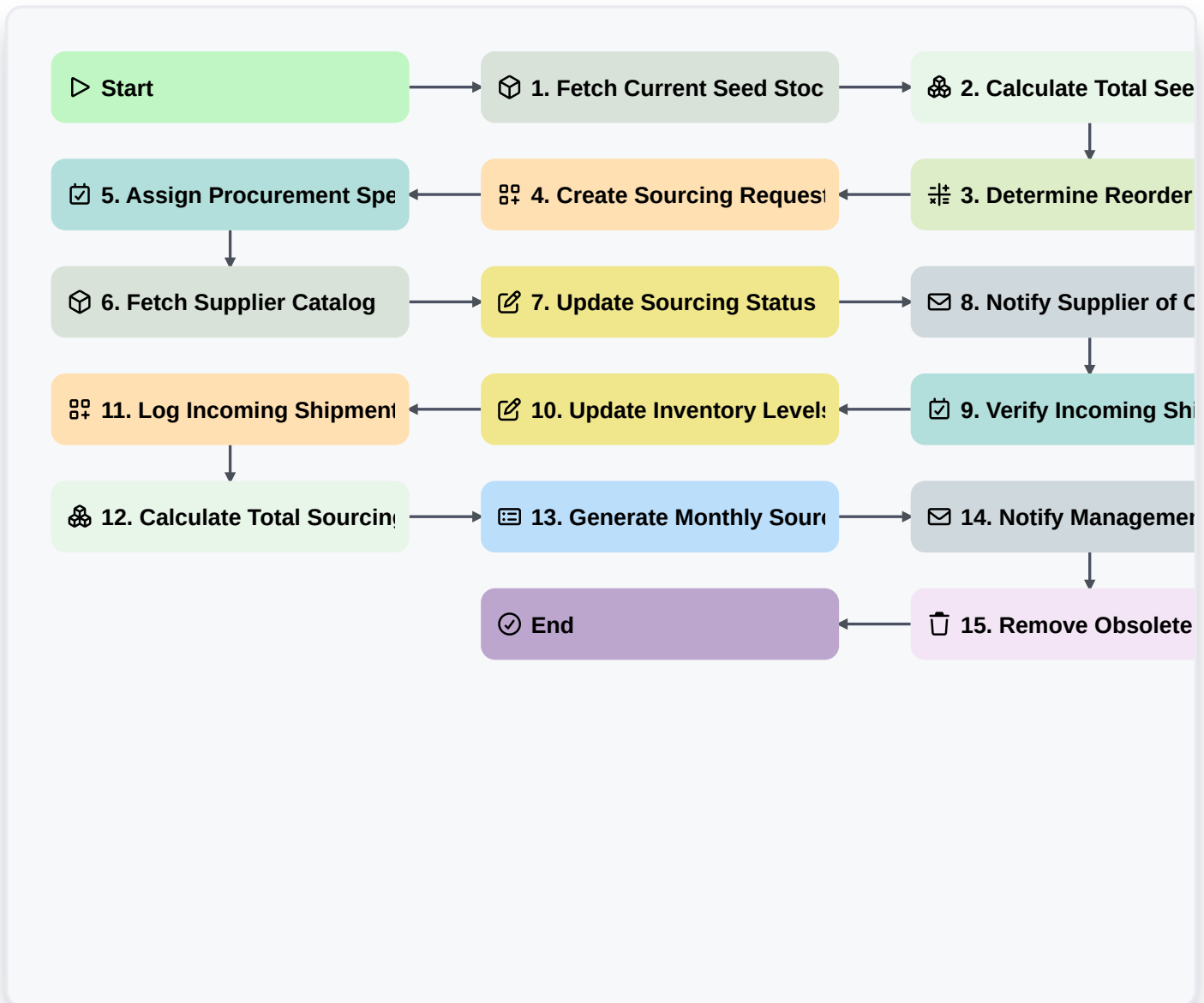


Seed Inventory And Sourcing Workflow



▷ Start

Start of the Workflow/Process.

📦 1. Fetch Current Seed Stock

Retrieve existing entries from the Seed Inventory data model to check availability.

🔢 2. Calculate Total Seed Volume

Sum the quantity property of all retrieved seed entries to determine total stock levels.

⚖️ 3. Determine Reorder Threshold

Compare current total volume against the predefined minimum threshold to identify shortages.

📄 4. Create Sourcing Request

Generate a new entry in the Sourcing Request data model for items identified as low stock.

📅 5. Assign Procurement Specialist

Create a task for the Procurement Lead to review and approve the new sourcing request.

📦 6. Fetch Supplier Catalog

Retrieve available seed types and pricing from the Supplier Data Model.



7. Update Sourcing Status

Update the status of the Sourcing Request entry to 'In Progress' once a supplier is selected.

8. Notify Supplier of Order

Send an email to the selected vendor with the order details and quantity requirements.

9. Verify Incoming Shipment

Create a task for the Warehouse Manager to inspect the quality of incoming seeds upon arrival.

10. Update Inventory Levels

Increase the quantity property in the Seed Inventory data model once the shipment is verified.

11. Log Incoming Shipment

Create a new entry in the Shipment History data model for auditing purposes.

12. Calculate Total Sourcing Cost

Sum the total costs of all active sourcing requests to monitor procurement budget.

13. Generate Monthly Sourcing Report

Generate a summary report of all completed sourcing tasks and inventory fluctuations.

14. Notify Management of Low Stock

Send an automated email alert to the Inventory Manager when stock hits critical levels.

15. Remove Obsolete Seed Records

Delete entries from the Seed Inventory model for seeds that have expired or are no longer sourced.

End

End of the Workflow/Process.