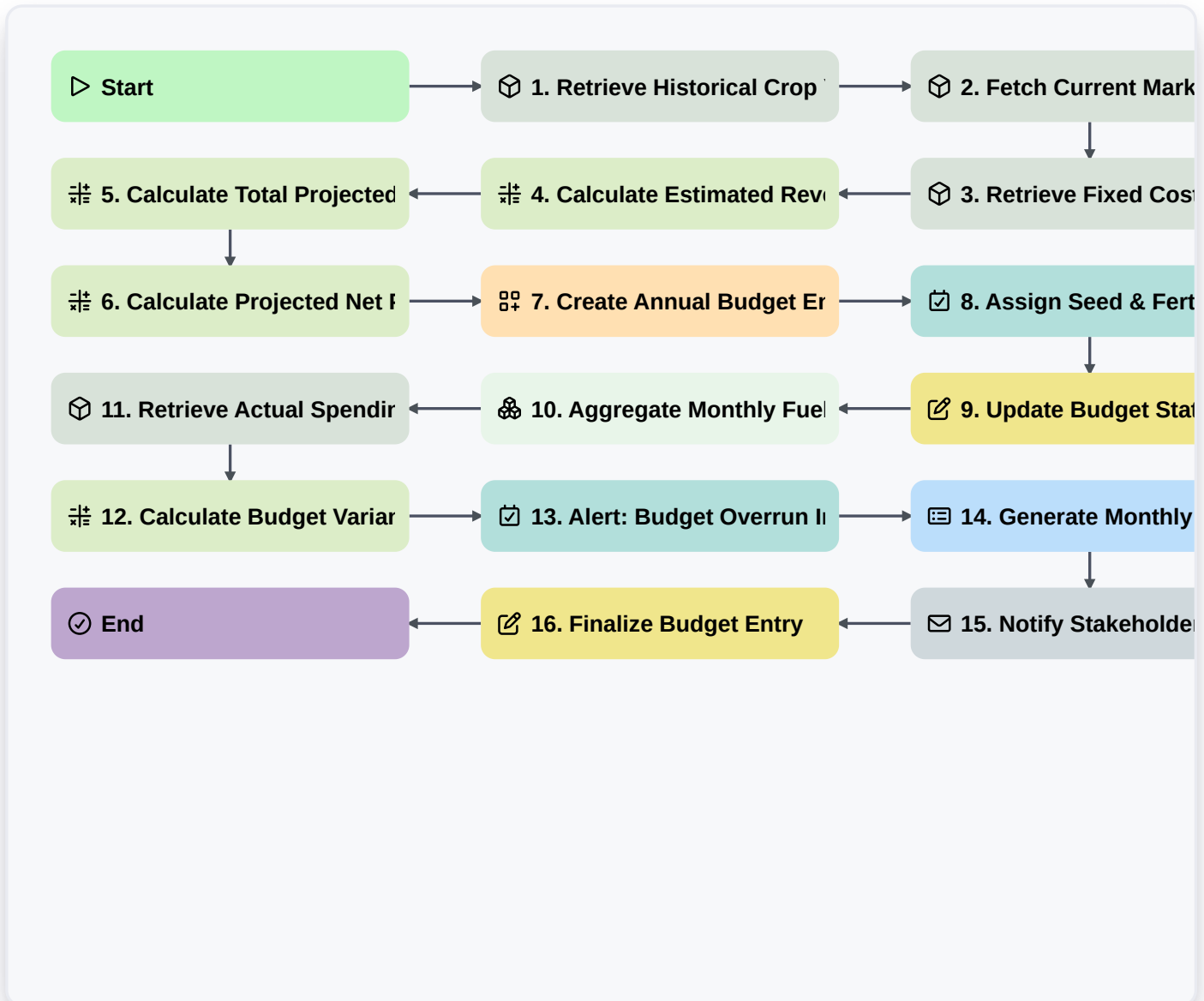


Farm Financial Budgeting And Cost Tracking Workflow



▷ Start

Start of the Workflow/Process.

📦 1. Retrieve Historical Crop Yields

Fetch previous season's yield data from the Crop Production data model to establish baseline expectations.

📦 2. Fetch Current Market Prices

Retrieve current commodity market prices from the Market Data model to project potential revenue.

📦 3. Retrieve Fixed Cost Records

Get all recurring cost entries (land tax, insurance, permanent labor) from the Fixed Costs data model.

🔢 4. Calculate Estimated Revenue

Calculate projected revenue by multiplying estimated yield (from historical data) by current market prices.

🔢 5. Calculate Total Projected Expenses

Sum all variable costs (seeds, fertilizer, fuel) and fixed costs to determine the total budget requirement.



6. Calculate Projected Net Profit

Subtract Total Projected Expenses from Estimated Revenue to determine the projected margin.

7. Create Annual Budget Entry

Create a new record in the Budget Data Model containing the calculated revenue, expenses, and profit projections.

8. Assign Seed & Fertilizer Procurement Task

Create a task for the Farm Manager to review and approve the variable cost estimates for inputs.

9. Update Budget Status to 'Draft'

Update the newly created Budget Entry status to 'Draft' for review.

10. Aggregate Monthly Fuel Expenses

Sum all fuel receipts/entries from the Expense Data Model to check against the monthly fuel budget allocation.

11. Retrieve Actual Spending Records

Get all actual expense entries from the current month to compare against the budget.

12. Calculate Budget Variance

Calculate the difference between 'Actual Spending' and 'Budgeted Spending' to identify overages.

13. Alert: Budget Overrun Investigation

Create a high-priority task for the Accountant if the Budget Variance exceeds a predefined threshold.

14. Generate Monthly Financial Variance Report

Generate a structured report summarizing Budget vs. Actual performance for the farm owners.

15. Notify Stakeholders of Budget Approval

Send an email to the Farm Owner and Partners once the budget has been officially finalized and locked.

16. Finalize Budget Entry

Update the Budget Entry status to 'Approved' and lock it from further edits.

End

End of the Workflow/Process.