

Inventory management for seeds and fertilizers

This workflow automatically monitors seed and fertilizer inventory levels, triggers purchase orders when stocks run low, and updates farm management systems to ensure optimal supply availability for planting and field operations.

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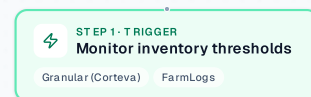


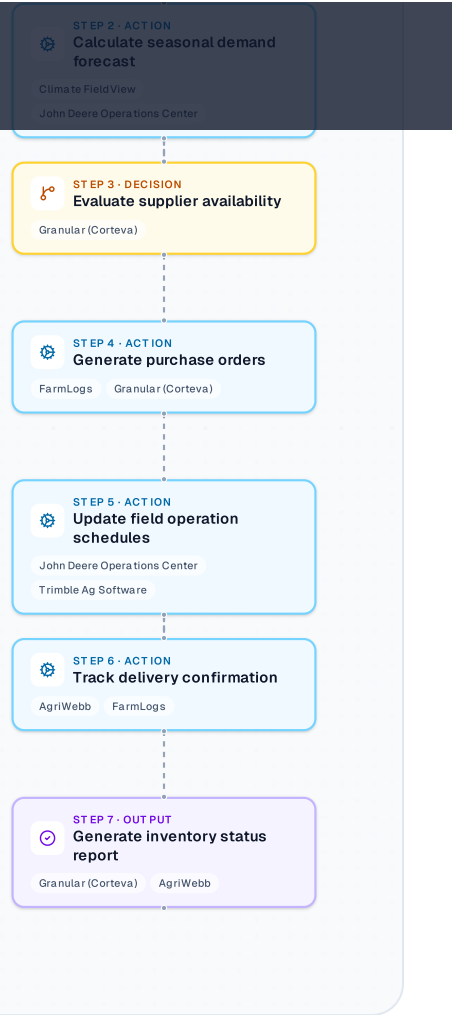
WORKFLOW TRIGGER

Daily inventory levels fall below predefined minimum thresholds

Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





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Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

Monitor inventory thresholds

Daily automated check of current seed and fertilizer stock levels against minimum required quantities. Triggers when any item falls below safety stock levels.

2

 ACTION

Calculate seasonal demand forecast

Analyzes upcoming planting schedules, field acreage, and historical usage patterns to determine optimal reorder quantities. Factors in crop rotation plans and weather predictions.

Climate FieldView

John Deere Operations Center

3

 DECISION

Evaluate supplier availability

Checks preferred supplier inventory and lead times to determine if standard reorder process can proceed. Routes to emergency procurement if critical shortages detected.

Granular (Corteva)

4

 ACTION

Generate purchase orders

Automatically creates purchase orders with calculated quantities and sends to approved suppliers. Includes delivery scheduling aligned with planned field operations.

FarmLogs

Granular (Corteva)

5

 ACTION

Update field operation schedules

AI Business OS

Adjusts planting and fertilization schedules in farm management systems based on expected delivery dates. Synchronizes with equipment availability and weather windows.

John Deere Operations Center

Trimble Ag Software

6

 ACTION

Track delivery confirmation

Monitors supplier delivery confirmations and updates inventory levels upon receipt. Validates quantities against purchase orders and flags discrepancies.

AgriWebb

FarmLogs

7

 OUTPUT

Generate inventory status report

Produces comprehensive inventory report showing current stock levels, pending deliveries, and projected usage timeline. Includes alerts for any remaining supply gaps.

Granular (Corteva)

AgriWebb



Outputs

- Automated purchase orders sent to suppliers

AI Business OS

- Updated inventory levels in farm management systems
- Field operation schedules synchronized with supply availability
- Inventory status report with supply projections



Key Metrics

- Inventory turnover rate
- Stockout incidents per season
- Purchase order accuracy percentage
- Average days of supply on hand



Tools & Integrations

- Granular (Corteva)
- FarmLogs
- Climate FieldView
- John Deere Operations Center
- Trimble Ag Software
- AgriWebb

AI Business OS

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