

# JD Edwards EnterpriseOne Grower Management



## KEY FEATURES

### Block and Harvest Management

- Track numerous block and harvest attributes
- Develop crop estimates for supply planning
- Manage intended use of the crop
- Use maturity dates for quality measurements
- Reduce administration using mass update capabilities
- View land and crop relationships

### Farming Activities

- Plan farming activities
- Track actual farming activities performed
- Track operational costs at the block level
- Record chemical usage during spray operations

### Weigh tag receipt

- Plan receiving activity
- Record quality results against receipt
- Price based on quality results
- Partially receive
- Over-receive
- Receive child items
- Track country of origin for crops

Growers, packers, shippers, and processors are refining their operations using enterprise management techniques. Tracking the attributes of a block of land and the activities performed throughout the growing period from planting to harvest has been difficult to capture, but vital to understanding the effects on production and maturity dates. The business of agriculture has become more complex with greater regulations, government oversight, and increased demands across your supply chain from buyer to consumer.

## The Issue: Growing is a Complex Business with Increasing Regulatory Oversight and Concerns about Global Terrorism

Your business is focused on growing or managing crops for a variety of food and beverage companies. Reproducible quality is becoming increasingly important for your customers and, at the same time, government agencies around the world, including the US Food and Drug Administration (FDA), now require tracking food throughout the supply chain because of global terrorism concerns along with cumbersome pesticide reporting for local and national government agencies differentiating between organic and conventionally grown crops. With business margins tight, labor supply problems, and worries about changing weather patterns, accurate harvest estimating, and analysis are necessary for planning if your operation is going to make a profit at the end of the season.

Meanwhile, one apparent solution, implementing contractual pricing for your grower based on quality, has been difficult to put into action and your current collection of software is not fully integrated as your IT staff maintains multiple, uncoordinated databases. Complexity seems to be growing faster than your crops.

## The Solution: Manage Land and Crop Details throughout the Growing Cycle Using an Enterprise Software Approach

Oracle's JD Edwards EnterpriseOne Grower Management module allows growers and processors supplied by growers to capture vital land block and harvest details and attributes along with the activities performed throughout the entire growing season cycle from pre-planting planning to post-harvest cleanup. Grower Management provides a crop receipt system that benefits growers and processors with:

- Processes to schedule the receipt of material
- Quick entry for weighbridge-intensive harvest periods
- Pricing from contract, advance pricing, harvest record, or item master
- A method to receive different crops based on harvest characteristics

- Preconfigured notifications
- Access to UX One role-based pages for Crop Production Manager and Field Operations Manager

- Direct creation of purchase orders in the system so the material can be placed directly into inventory
- Optional allowances for over-receipt
- Quality assurance data linking results to each crop receipt
- Receivership of crops in primary or secondary units of measurement
- Weigh tag reports in real time against integrated data from one database

Your farming operation can use Grower Management to manage lot information for:

- Land block information
- Harvest details
- Farm activity tracking from pre-planting planning to post-harvest close-out activities such as pruning, spraying, withholding dates, and reporting
- Crop estimate tracking throughout the growing season
- Maturity date monitoring and recording for each crop
- Historical records of all crops grown on the land

With Grower Management, you reduce your information technology and reporting problems with integrated enterprise applications so that you can focus on growing crops as business rules, environmental conditions, and relationships become increasingly complex.

### When SKUs and Case Counts Matter for your Fresh Produce

A classic grower management problem involves matching multiple SKUs for the same crop with different end-of-harvest characteristics. Fresh produce, such as broccoli or cauliflower, is usually sold with different SKUs depending on the head count per case. For example, a grower may package broccoli in cases of 14 and 21 heads at the time of harvest while working in the field. Field packaging fresh produce such as broccoli:

- Improves labor efficiency through combined activities
- Reduces operational costs by performing harvest, packing, and inventory activities together
- Permits grocery store delivery to be convenient and timely
- Generates an accurate count of the different SKUs being generated in the field from the harvest to generate accurate inventories

Grower Management supports all aspects of this parent-child relationship between the parent crop ("broccoli") and each of the parent's children ("14 heads per case", "21 heads per case", and so on) and their associated SKUs.

### Feature/Function Highlights

**Manage land, crop, and harvest attributes:** Increase productivity by quickly accessing data from a central database regarding each block of land with respect to crop and harvest identification through the Harvest Workbench in the module:

- Record information including the address of each block, key contacts with phone numbers, and significant dates requiring action.
- Record all pre-planting through post-harvest farming activities, including cultivating, planting, fertilizing, spraying, pruning, and irrigation.
- Maintain a historical record of each harvest.
- Track operational costs for each harvest.

- Create test plots.
- Maintain harvest estimates.
- Manage crops for intended use.
- Collect quality measurements during the growing cycle with quality assurance reporting by date.
- Create harvest lot information regarding the crop.
- Report pesticide usage along with organic and non-organic (conventional) parameters.
- Drive uniformity of successful practices throughout all blocks based on harvests.
- Understand supply by tracking the harvest estimates associated with each block of land. Early detection of undersupply can be offset with spot buys that are fully negotiated through the harvest freeze.

**Detailed, integrated cost management:** Roll up each activity cost into the total operational cost of the crop. Use this information to benchmark activities and attributes that improve crop production in a cost-effective manner.

- Manage and monitor schedules across all land activities.
- User-defined dates—Monitor all your user-defined dates.
- Scheduling—Improve efficiency by quickly scheduling farming activities and the appropriate farm staff and equipment.
- Maturity date—Track the maturity date for each block, so harvesting activities can be scheduled in advance.

**Crop receiving:** Efficiently receive crops into internal processing facilities from internal or external farms and capture weight and quality results. The lot information from the harvest is modeled after the FDA's Section 306 of the Federal Bioterrorism Act. The feature lets you:

- Receive crops via a weigh tag.
- Create a purchase order and an associated receipt.
- Partially receive weight tags to get inventory updated in a timely manner.
- Map quality tests to each crop receipt.
- Apply complex pricing based on received quality results.
- Track country of origin by crop item.

**Harvest operations:** Improve margins by increasing control on activities concerning quantity or area to harvest, cut instructions, date, and time to harvest, equipment usage, and delivery instructions.

**Integrated with JD Edwards EnterpriseOne Grower Pricing and Payments:**

Integrate crop contracts entered in Grower Pricing and Payments to secure accurate crop pricing, adjustments, and payments to growers.

**Access UX One role-based pages:** Crop Production Manager and Field Operations Manager can access UX One role-based pages to easily access, review, and act upon important information to analyze and estimate harvest accurately, thereby enabling a crop receipt system that benefits growers and processors.

## Solution Integration

This module is designed to be integrated with the following JD Edwards EnterpriseOne products and families across your operations using common tools and a Pure Internet Architecture:





- JD Edwards EnterpriseOne Food and Beverage Producers
  - Grower Pricing and Payments
  - Blend Management
- JD Edwards EnterpriseOne Supply Chain Execution (Logistics)
  - Inventory Management
- JD Edwards EnterpriseOne Supply Management (Procurement)
  - Procurement and Subcontract Management

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