Model Year 17 Cotton Updates

• Cotton Moisture Sensor
• Round Module Weighing
• Harvest Identification, Cotton Pro

HID, Cotton Pro Gin Integration Information

• Round Module Wrap RFID Information
• RFID Bridge
• MyJohnDeere Account
Cotton Moisture Sensor

Value Proposition Highlights

• Preserve cotton quality

• Real time in-cab decision tool

• Industry leading accuracy and reliability

• Enables maximum gin efficiency

• Measures moisture of cotton in contact with the sensor as module is forming (capacitance)

• Maximizes the harvest window by measuring cotton moisture on the go and provides data to operator and down stream data system (*Harvest ID, Cotton Pro*)
Cotton Round Module Weighing

Value Proposition Highlights

- Provides method for simple and fast calibration of cotton yield monitor system
- Real time feedback of module weight
- Measures weight of module on handler at carry position via pressure sensors and GPS compensation
- Provides information to operator and downstream data system *(Harvest ID, Cotton Pro)* – post harvest management

![Image of cotton round module weighing system]

**Value Proposition Highlights**

| Client: | Murray Farms |
| Farm: | Delta Springs |
| Field: | North 40 |
| Variety: | DP 1555 B2RF |
| Operator: | Dave Hale |

**Complete**

- SN: 16505991651
- Area (acre): 2.413
- Weight (lb): 5396
- Moisture (%): 8.9

**Add Comment**

- Field Total: 2
- Season Total: 2

File Server Status

*Wait for Module*
Information Documented by Harvest Identification, Cotton Pro for Every Module

- Module ID
- Module SN
- Latitude
- Longitude
- GMT Date/Time
- Tag Count
- Client
- Farm
- Field
- Variety
- Machine PIN
- Operator
- Gin ID
- Producer ID
- Local Time
- Field Area
- Season Total
- Diameter
- Moisture
- Weight
- Drop Latitude
- Drop Longitude
- Field Total
- Incremental Area
- Local Date
- Comments
Harvest Identification, Cotton Pro

**Value Proposition Highlights**

- **Operational Features Added**
  - Auto SN
  - Notifications
  - Comments
  - History
  - Field File Sorting
  - Auto CFF/Season Counter Reset

- **Data Elements Added**
  - Incremental area
  - Moisture, Weight
  - Local/Display timestamp
  - Drop Location
HID, Cotton Pro Gin Integration
Round Module Wrap RFID Information

- Monza® 5 UHF tag chip used in TAMA RMW™ – chip is industry leader in reliability, consistency – made by Impinj
  - EPCglobal and ISO 18000-6C compliant
  - Detailed specs available on Impinj website
- Available exclusively in TAMA RMW™ with patented Z-lock
- On-board RFID antennae supplied by Intermec
- Round Module Wrap will has 4 tag chips
Electronic Product Code – GID-96 standard

- **EPC** – universal identifier that provides unique identity for every physical object in the world – open standard

- RFID tags in TAMA RMW™ are encoded using industry standard **General Identifier 96 (GID-96)** coding scheme

- **GID-96** - general purpose standard that is used to identify things that (1) either don’t fall neatly into other tag data standards or (2) do not have a barcode heritage.
Round Module Movement

Harvest Identification, Cotton – Module traceability in the field

RFID Bridge

Gin Yard

RFID Reader on feed floor

This is a visual representation of module traceability from the field to gin feed floor.
RFID Reader Bridge
Antenna Placement:

Three antennas are recommended located approximately 14.5 feet high, with 5 feet between each unit. The outside units should be angled inwards at 25 degrees as shown in the picture above and in the previous slide.

Vehicle Speed:

In order to give the antennas the best opportunity to read difficult tags, the vehicle needs to be moving through the portal at approximately 1 mph but not over 2 mph.
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<th>Total</th>
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- Ethernet cable not priced in this list
- Each gin will need Ethernet cable and the length will be based off of each location needs.
Sign in to MyJohnDeere

Username
Forgot username?

Password
Forgot password?

PIN For John Deere Financial customers only.
Don’t have a PIN?

SIGN IN  
Remember Me

Not registered? Create New Account

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- Manage all your John Deere technology subscriptions.
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John Deere Operations Center
John Deere Operations Center
Collaborating is easier than you think.
Start by choosing an option below.

- Share Information from my Operations Center.
  You would like help optimizing machines, making agronomic decisions and/or collaborating on work.

- Request Information from another Operations Center.

Machine Optimization
You help manage or optimize equipment.

Agronomic Decision Making
You help plan field work and analyze results.

Work Collaborator
You collaborate to plan and monitor field work.

[Email Address: Cams9620R@gmail.com]

[Submit Button: NEXT]
### John Deere Operations Center

**What type access would you like to request?**

*Choose from the options below.*

<table>
<thead>
<tr>
<th>RELATIONSHIP TYPE</th>
<th>RELATIONSHIP TYPE</th>
<th>RELATIONSHIP TYPE</th>
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<td>Agronomic: Decision Making</td>
<td>Work Collaborator</td>
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<tr>
<td>All Machines</td>
<td>All Fields and Production Data</td>
<td>Remote Display Access</td>
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<tr>
<td></td>
<td></td>
<td>Create &amp; Edit Jobs</td>
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</table>

[SEND REQUEST]
John Deere Operations Center Confirmation E-mail
Organization Partner Request

Christopher Murray would like to add your organization as a partner of Solution Specialist Demo. Please accept this request by clicking the button below.

Accept Request

If the button does not work, please copy this URL into your web browser.

http://my.deere.com/accept-contact-request/38b455a-ea02-450d-aff-f71b8c172b3b

If you have questions, please contact Christopher Murray.
Christopher Murray has invited you to be a partner with Solution Specialist Demo.

By accepting this invitation, you will create a share relationship with Solution Specialist Demo. In the future, anything shared by Solution Specialist Demo will be viewable from the organization you select here.

Would you like to accept the invite?

Des Moines Works

Remind Me Later

ACCEPT

REJECT
Pioneer Field 360 has requested the following partnership permissions with your organization, Green Farms:

- Production/Agronomic Data and Services
- Production/Agronomic/Yield Detail Data
- Prescription Information
- Setup Information

Options:
- [X] Production/Agronomic/Yield Detail Data
- [X] Prescription Information
- [X] Setup Information

Buttons:
- Cancel
- APPROVE
John Deere Operations Center
John Deere Operations Center