

Ag Leader Cotton Yield Monitoring

Ag Leader Technology is pleased to announce a new option to meet your yield monitoring needs. Due to customer demand, Ag Leader is now offering all row cotton yield monitoring systems for 4,5, and 6 row John Deere picker models 9960, 9965, 9970, 9976, and 9986. This new option compliments the two-row monitoring system currently available. Our optical sensor-based yield monitoring system has been field proven in four harvest seasons prior to being introduced for Case-IH and John Deere pickers. The cotton yield monitor system has been designed to produce exceptionally accurate yield data at a lower cost by not requiring that all rows be monitored. However, some customers require that all rows be monitored to sense row-by-row inconsistencies. Therefore, the all-row system can provide a true representation across the entire swath of the machine. For those customers that choose the two-row system, we offer an upgrade kit to expand from the two-row system to the all-row system.



How does it work?

The monitor utilizes multiple optical sensors to measure cotton volumetric flow rate in the chutes, which convey cotton from the picking units to the basket of a cotton picker. Volumetric flow rates from the rows of the cotton picker are measured and are communicated to a PF3000™ Pro or PF3000™ yield monitor unit in the cab of the picker over a serial communication bus. The PF3000 stores accumulated cotton volume for both fields and individual loads within fields, and combines these volumetric values with accumulated harvest areas, weight calibration values, and estimated percent lint turnout, to calculate total weights and average yields for fields and loads. When coupled to a GPS receiver, the PF3000 Pro and the PF3000 can also record data on a PCMCIA memory card for producing yield maps with desktop PC software.

What can the Ag Leader cotton yield monitor do for me?

Instant on-the go cotton bales per acre monitoring and mapping is offered by Ag Leader Technology's PF3000 for both John Deere and Case-IH pickers. Combined with Ag Leader's Add-On GPS, the monitor can record precise yield maps in addition to complete field and load records. This provides the information on the productivity of every acre. Changes in management practices can then be implemented to increase yields or reduce input costs.



Who would want an Ag Leader cotton monitor:

- Cotton Farmers wanting to manage their inputs more efficiently and increase their profits.
- Custom Harvesters wanting to provide an additional service that will soon be demanded.
- Universities and Research Organizations harvesting test plots.

All Row Cotton Monitoring Kits

Main Features

- Fits John Deere and Case-IH
- Very detailed instructions and complete installation hardware
- Weatherproof housing
- Protected from power surges and electrical shorts
- Minimal maintenance due to the patented lens covers that prevent build-up
- Quick release mounting plates allow easy access for inspection
- Use the extremely versatile PF3000 or PF3000 PRO as the monitor
- Integrated microprocessors in each detector unit

Environmental Specifications / Physical Specifications (Per Sensor)

- Operating Temp: -20°C to 85°C
- Humidity: 100 % Condensing
- Size: 2.5" tall x 8.75" long x 3" wide

Available Systems (sensor kits only, does not include monitor)

All Cotton sensor kits use the PF3000 or PF3000 *PRO* as the monitoring console.

List Prices*	
<u>Kits Monitoring 2 rows:</u>	
JD 9960**	\$ 2,085
JD 9965/70/76**	\$ 2,085
Case 1822/44, 2022/44	\$ 3,185
Case 2055	\$ 3,185
Case 2155	\$ 3,185
Case 2555	\$ 3,185
Case CPX610	\$ 3,185
<u>Kits Monitoring All Rows:</u>	
JD 9960** 4 Row Picker	\$ 3,185
JD 9965/70/76** 4 Row Picker	\$ 3,185
JD 9960** 5 Row Picker	\$ 3,785
JD 9965/70/76** 5 Row Picker	\$ 3,785
JD 9976** 6 Row Picker	\$ 4,285
<u>Upgrade Kits:</u>	
JD Upgrade Kit from 2 rows to 4 rows**	\$1,300
JD Upgrade Kit from 2 rows to 5 rows**	\$1,950
JD Upgrade Kit from 2 rows to 6 rows**	\$2,600
<u>Cotton Stripper Kits:</u>	
JD 7445***, 7450, 7455	\$3,185

* Prices subject to change without prior notification

**These kits are for inline picking units only. These systems are not for conventional units.
(Conventional units pick from both sides of the row)

*** Models with serial numbers 6000 and newer

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