

# **PRO-SERIES™ Pickers** – including the new 9996 Cotton Picker



JOHN DEERE



01666 - 0070

## PRO-SERIES™ Pickers

### The new 9996: The Producer's Edge

Pick up the pace with the new 9996 Cotton Picker from John Deere, the most powerful, most productive, and most efficient picker we've ever built. With all the comfort and convenience features you've come to expect from John Deere cotton harvesters, plus a wide range of performance enhancements, the 9996 will get you to the end of even the longest harvest-time race.

Start in the engine compartment. The 8.1-liter John Deere PowerTech™ engine now delivers 350 horsepower, 25 more than our previous model, for improved all-around performance. An available factory-installed powered rear axle gives you better grip in muddy or hilly conditions, while the new 200-gallon fuel tank and 345-gallon water tank help keep you in the field longer during extended harvest days. Add options like the available PRO-12 VRS Row Units for 15-inch to 40-inch picking, and you have a machine that can fight its way to the front, no matter what the conditions.

Read on to find out more, then pay a visit to your John Deere dealer for a demo.

#### Productivity comparison (acres per day)

9996  
6-ROW

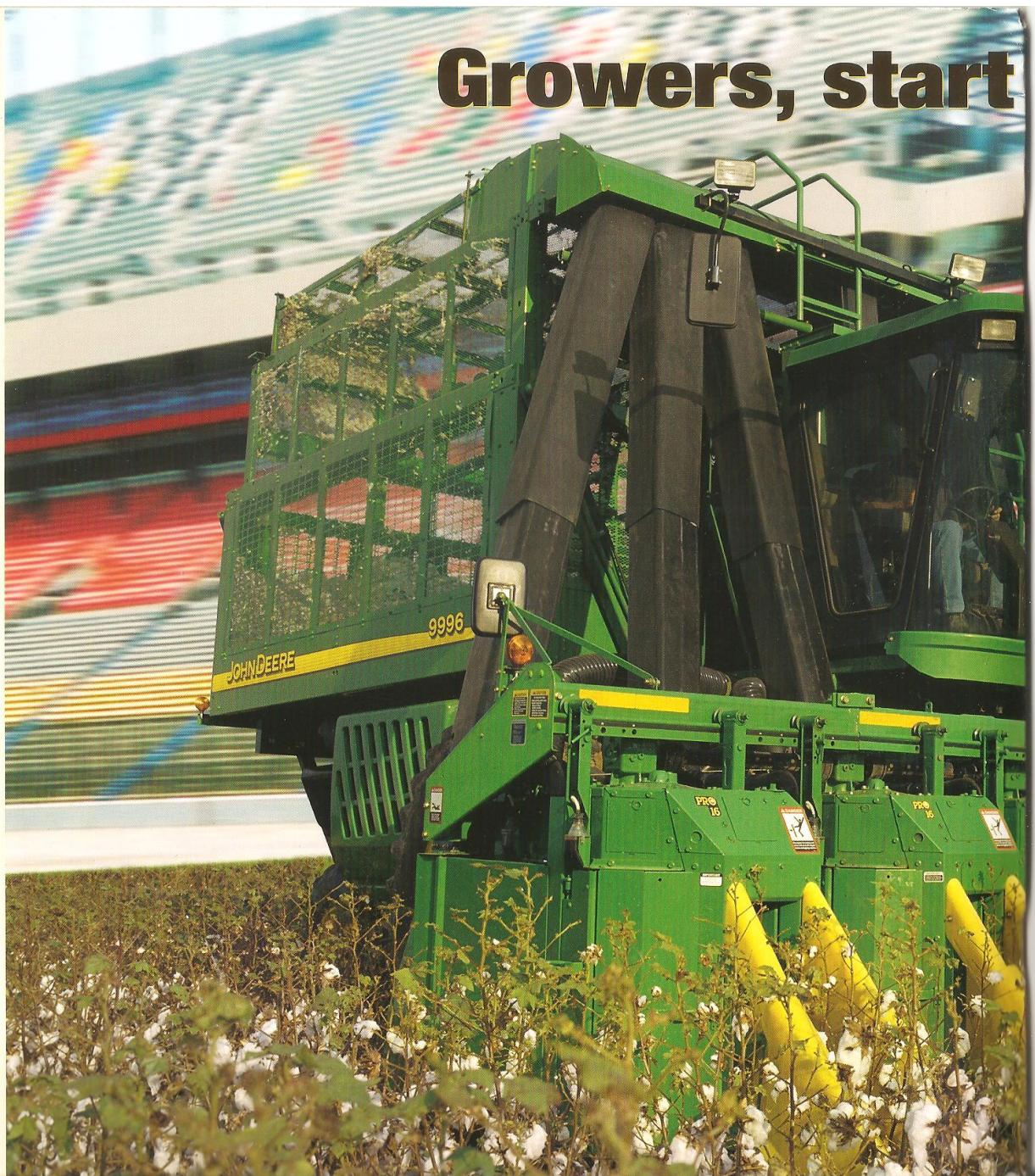
75 ACRES

9970  
4-ROW

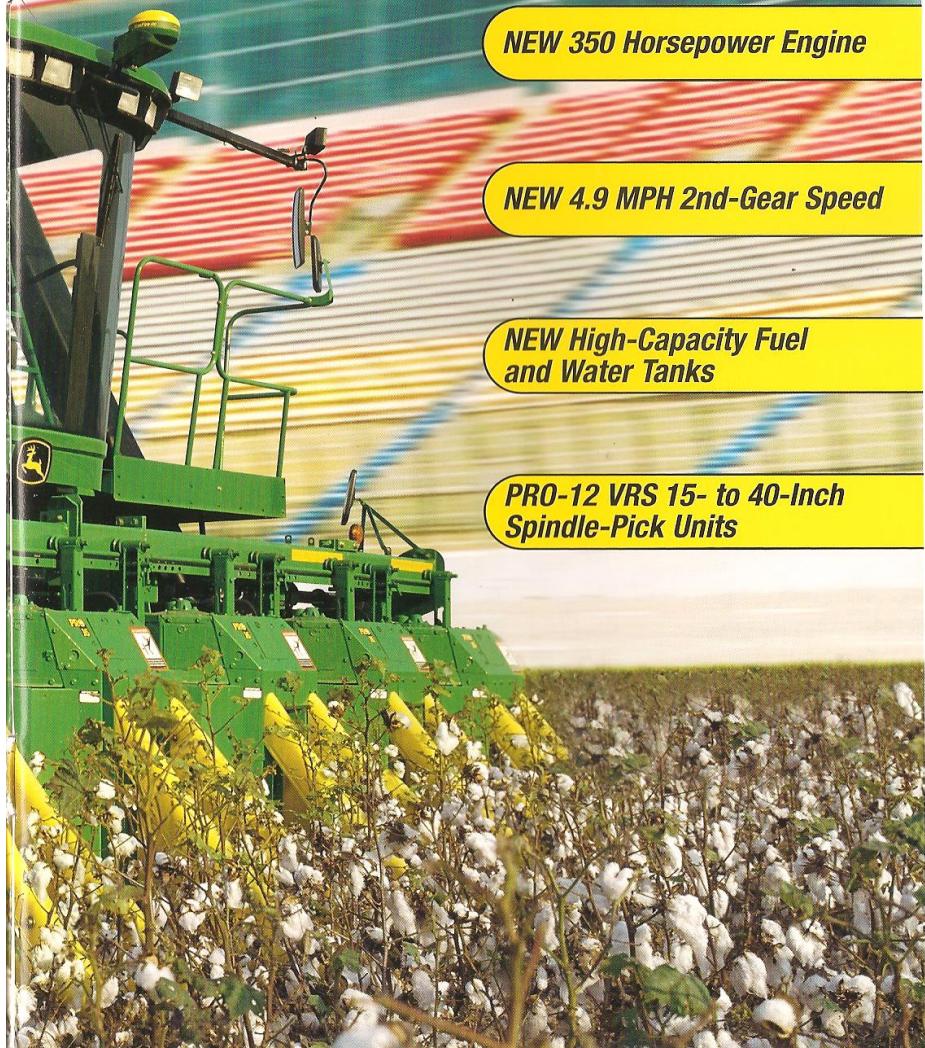
45 ACRES

*A 6-row picker can have a tremendous impact on your productivity, as shown in this comparison. Plus, the PRO-SERIES inline row units provide excellent picking efficiency and turnout.*

# Growers, start



# your engines!



**NEW 350 Horsepower Engine**

**NEW 4.9 MPH 2nd-Gear Speed**

**NEW High-Capacity Fuel and Water Tanks**

**PRO-12 VRS 15- to 40-Inch Spindle-Pick Units**



**John Deere 9970 Cotton Picker**

For top productivity and value in a 4- or 5-row machine, check out the 9970 Picker. It offers proven performance and John Deere reliability.

No matter which PRO-SERIES machine you choose – the affordable 9970 or ultra-productive new 9996 – you'll enjoy legendary John Deere reliability. This downtime-fighting insurance can make a big difference when you're staring at the eye of a hurricane. You'll also benefit from unrivaled dealer support, plus famous John Deere resale value. Just more ways a long-term relationship with John Deere yields value-added dividends.



*John Deere proudly supports Cotton Incorporated.*

## PRO-SERIES Pickers

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## 9996 Chassis, engine, transmission

Sure, we bumped the engine up to 350 horsepower. But power isn't the only measure of an engine's worth. The 9996 offers important weight, stability, and service advantages, too.

For starters, the engine is transverse mounted. This frees up valuable real estate, providing room for the moistener system, lube, and fuel tanks at the rear of the machine. They're easy to access, even from ground level. Plus, locating the tanks at the rear reduces weight on the front axle and improves weight distribution.

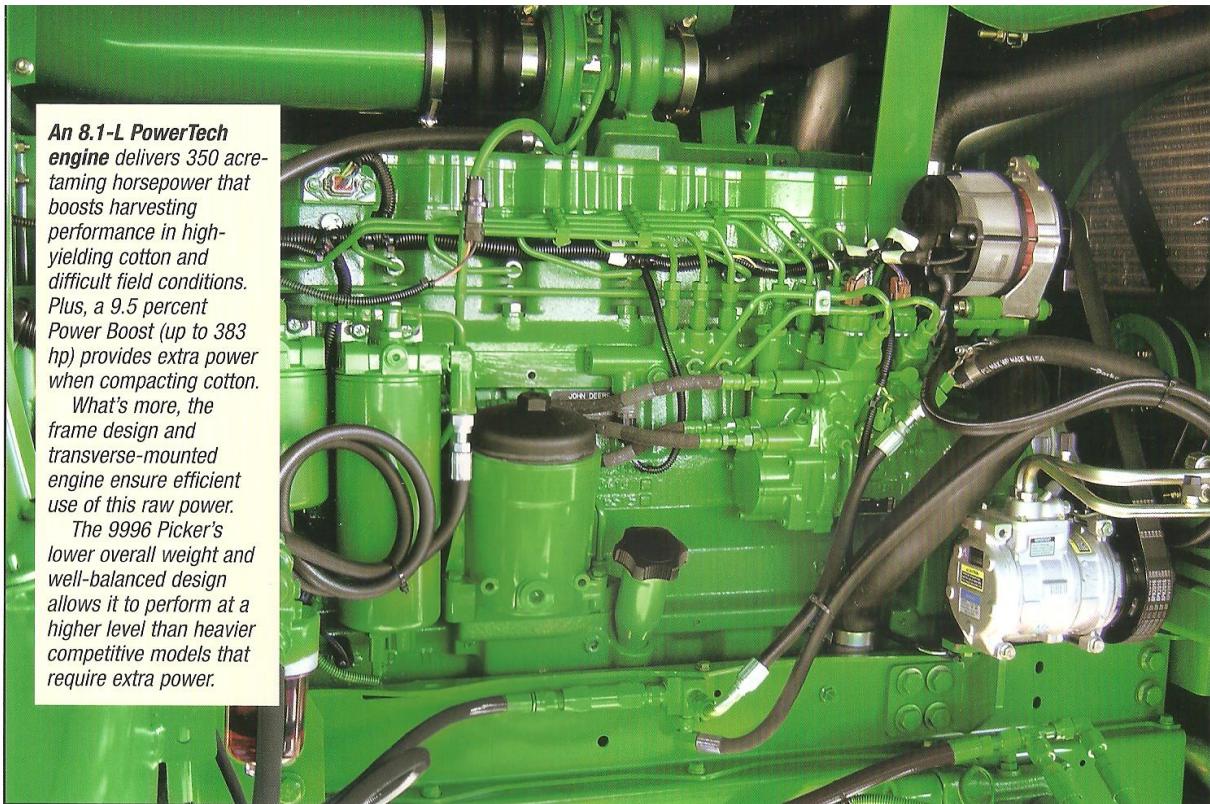
The engine location also paves the way for a new larger self-cleaning rotary screen. It constantly removes and expels debris from the air-intake screen.

And what about power? With 350 horsepower and a 9.5 percent Power Boost for unloading, the 8.1-liter PowerTech™ engine delivers plenty of muscle for the demands of a 6-row machine in heavy-yielding cotton and tough conditions.

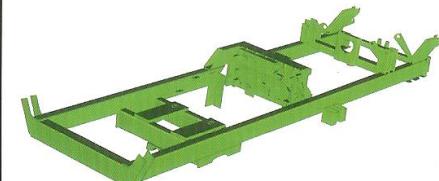
A deluxe 3-speed transmission with hydrostatic drive tames all this horsepower with smooth speed changes. Two independent hydro systems assure full power to the hydrostatic ground drive, as well as the picking units. A large-capacity hydro pump provides more power in all three gears.

# The 9996: Built to run strong





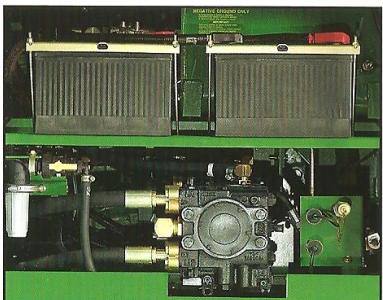
9996 Chassis, engine, transmission



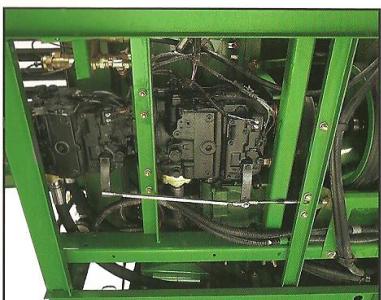
An 8.1-L PowerTech engine delivers 350 acre-taming horsepower that boosts harvesting performance in high-yielding cotton and difficult field conditions. Plus, a 9.5 percent Power Boost (up to 383 hp) provides extra power when compacting cotton.

What's more, the frame design and transverse-mounted engine ensure efficient use of this raw power.

The 9996 Picker's lower overall weight and well-balanced design allows it to perform at a higher level than heavier competitive models that require extra power.



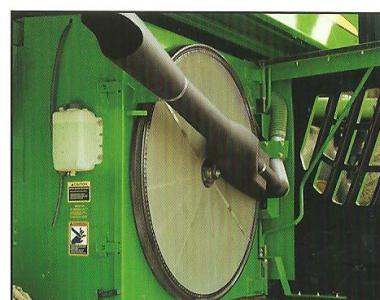
**The hydro module** contains the hydrostatic, hydraulic, and water pumps, as well as batteries and onboard lube remote-fill outlets. All are easily accessed from ground level.



**Independent hydro systems** assure full power to the picking units and ground drives.



**Eight-inch dual spacers** offer true 38-inch centers. No more running the front tires over beds. Massive, single-reduction final drives have the muscle to handle 42-inch duals.



**New larger self-cleaning rotary screen** saves time, labor. No need to manually clean the screen at each dump.

## PRO-SERIES row units

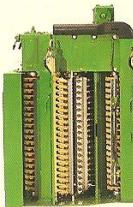
Go with a PRO for the ultimate in picking speed and efficiency. Both the PRO-16 and PRO-12 inline row units offer outstanding features that boost productivity, improve service convenience, and enhance reliability.

Available only on the 9996

Picker, the PRO-16 units feature a 16-bar front drum and 12-bar rear drum, each with 20-spindle-high bars. That's a total of 560 hungry spindles picking at up to 4.0 MPH, or scrapping at up to 4.9 MPH.

For maximum versatility, choose the PRO-12 VRS units. This revolutionary system allows you to spindle-pick rows spaced from 15 to 40 inches ... perfect for growers with a blend of narrow- and conventional-row cotton.

Both units feature high-contact-ratio gears for smoother, quieter operation, swing-out moistener columns for easy access, and an innovative cam-track design that gives you much easier access to the cam rollers.

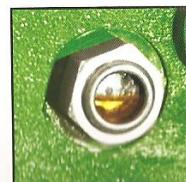
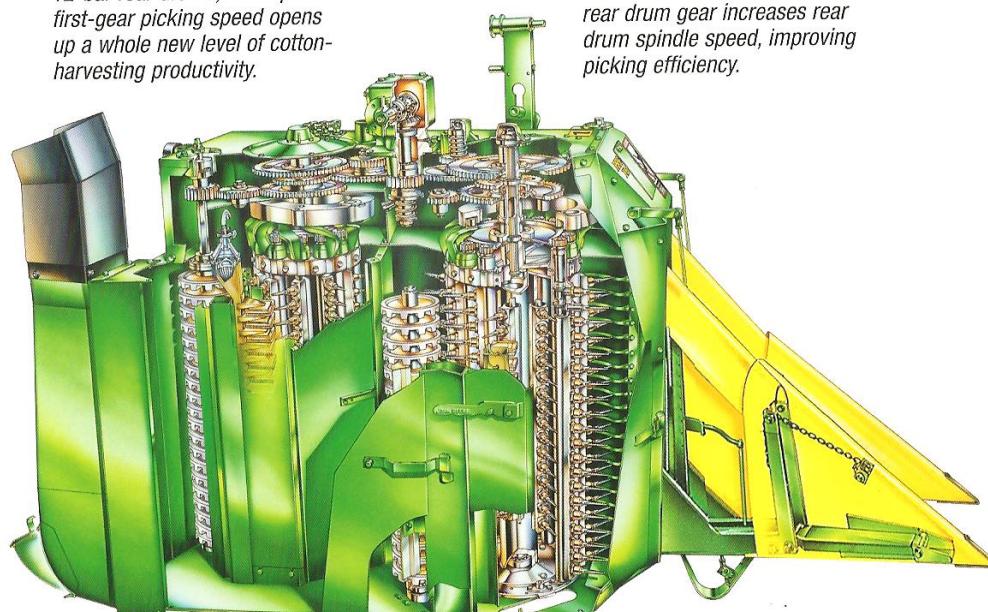


# Pick up the pace

## in high-yielding crop with high-capacity PRO-16 AND PRO-12 units

**Nothing picks a field of high-yielding cotton faster or cleaner than inline PRO-16 row units.** With 20-spindle-high, and 16-bar front and 12-bar rear drums, a 4-mph first-gear picking speed opens up a whole new level of cotton-harvesting productivity.

**A heavy-duty gearcase** features large gears and bearings for extra durability. The units are lubricated with hydraulic oil, rather than cornhead grease, so they're easier to fill. A new high-speed rear drum gear increases rear drum spindle speed, improving picking efficiency.



**Sight glasses** on each row unit make it easy to ensure proper oil level.



**PRO-XL™ spindles** were specially engineered with John Deere's PRO-SERIES cotton pickers in mind. They provide superior performance in harsh picking conditions and deliver longer wear life than off-the-shelf spindles.



**Remote lubrication** is standard on the 9996 Picker. Variable drum speed (from the cab) lets you choose slower speeds to inspect the spindles, faster speeds to check for vibration.



**A unique PRO-SERIES cam-track design** gives you much easier access to the cam rollers.

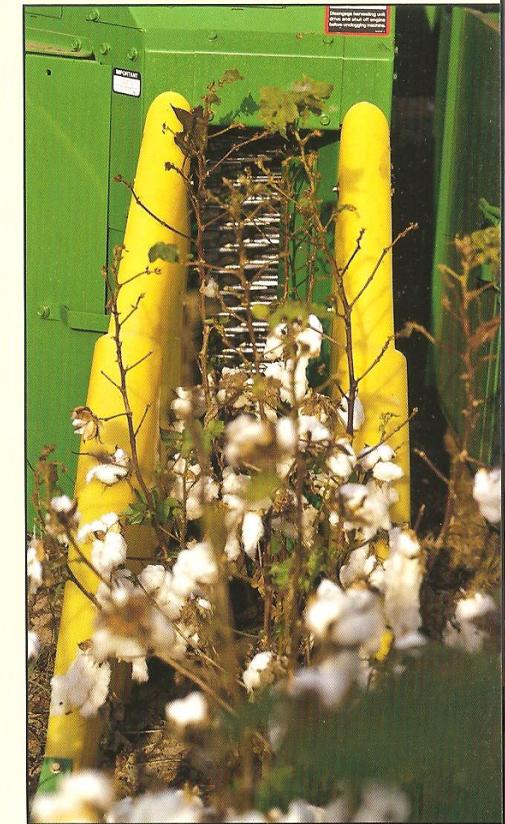


**The inline unit's narrow profile** with swing-out moistener columns allow faster, easier service. Inspecting the nozzles is easier, too.



# Hands-off steering for an easier harvest

Optional 9996 Row-Trak Guidance



**Let Row-Trak™  
guidance steer  
your 9996  
Picker...after all,  
you have better  
things to do.**

Narrow rows.  
Overhanging  
plants. Tight harvest schedules.  
Operator fatigue.

Perfect reasons for equipping your John Deere 9996 Picker with Row-Trak guidance. By steering the picker and keeping it automatically on-row, the Row-Trak system lets your operators focus attention on picking cotton, rather than steering the machine. Operators are more relaxed, more alert, and experience far less stress and fatigue.

By keeping the row units centered directly on the rows, Row-Trak guidance lets them pick more crop while maintaining top picking speeds. It's a simple, reliable option that pays off quickly, and keeps on paying with more cotton in the basket and more-efficient operators.

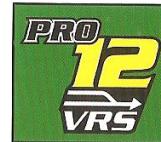
*You can imagine how difficult it can be to stay on-row in this bushy, heavy-yielding irrigated cotton. It's just one of many conditions where Row-Trak guidance can make a tremendous difference in your productivity. Simply line up with the rows, then activate the guidance system with a switch on the hydro handle. It's that easy.*

No matter what row spacing you're planting now (or might be planting in the future), you'll be ready for just about anything with a new 9996 Picker and PRO-Series Row Units. With a wide variety of available row-spacing configurations, you get unmatched cotton picking flexibility.

Start with the patented John Deere roller and crank system ... changing unit spacing is an easy, one-person job, and helps make maintenance and service easier and more convenient. Just compare this to the time-consuming process required to move the row units on competitive machines with hydraulic systems.

If a lack of suitable harvesting equipment has kept you from planting 15-inch rows, you'll appreciate the new PRO-12 VRS System ... these spindle-pick units adjust easily from 15 to 40 inches.

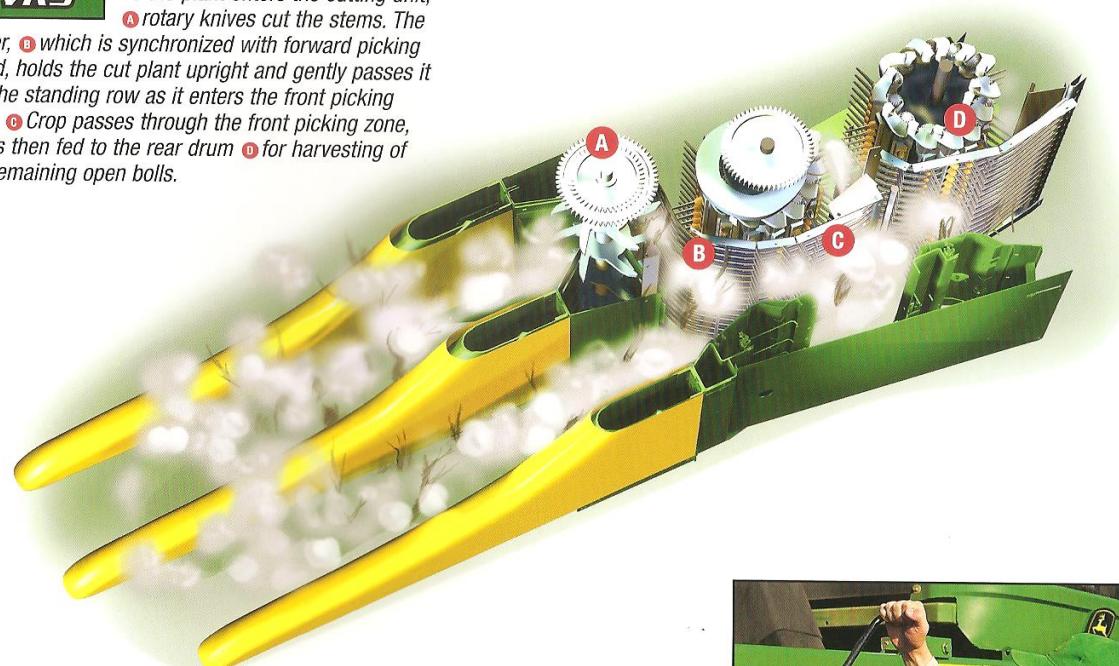
Wide or narrow, skip or solid ... no other machine offers as many picking configurations as the new John Deere 9996.



#### **John Deere PRO-12 VRS**

##### **Picking Units: How They Work**

We added an inline cutting unit to the standard right-side picking unit. As the plant enters the cutting unit, ① rotary knives cut the stems. The feeder, ② which is synchronized with forward picking speed, holds the cut plant upright and gently passes it into the standing row as it enters the front picking zone. ③ Crop passes through the front picking zone, and is then fed to the rear drum ④ for harvesting of any remaining open bolls.



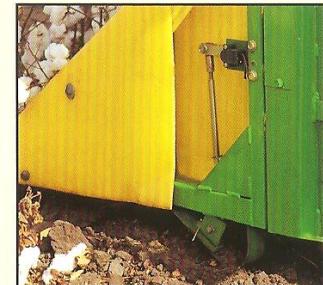
**Adjusting the unit spacing**  
on a John Deere 9996 Picker is a fast, easy, one-person job. Simply pull a pin and crank the unit into place. And with the narrow profile of the PRO-SERIES inline row units, you have plenty of elbow room for accessing the doffers and moistener pads for cleanout.



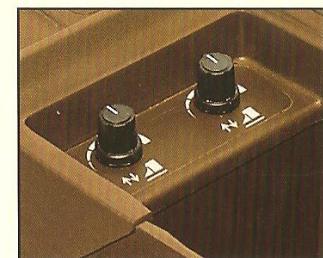
# you a top-quality harvest.



Electronic height sensing



**Electronic height sensing** (standard) lets you adjust both height and sensitivity on-the-go from the comfort of your cab. You can pick more low-hanging bolls because row-unit height automatically adjusts to the terrain. In fact, the units can be adjusted to run virtually flat to pick bolls other machines would leave behind.



**Unit height controls** are located under the armrest. Once you've set the controls to match field conditions, you can lock these in place to prevent operators from changing the settings.

## Jet-Air-Trol™ & PRO-LIFT™ basket

High-capacity PRO-Series Row Units need a high-performance loading and unloading system. So we designed the 9996 with the air control, basket lift and unloading components you need to pick, pack and dump heavy, high-yielding cotton.

**High-capacity conveying.** The fan rotor delivers plenty of airflow to handle the conveying load of six row units. Plus, the transverse-mounted engine design let engineers relocate the fan for improved air distribution and outstanding conveying efficiency.

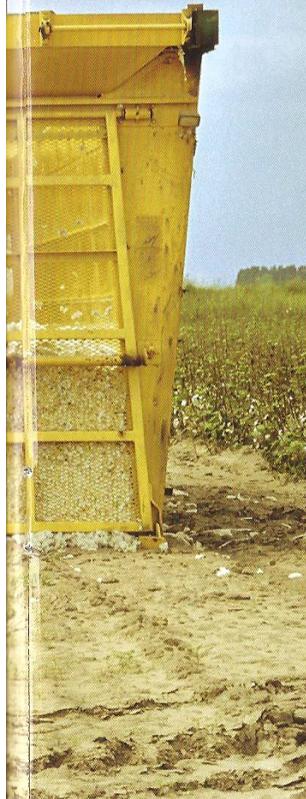
**High-capacity basket.** You also have plenty of capacity – 1,400 cubic feet with standard basket lid extension. And a new, automatic compacting system packs in more of your crop to extend on-row time. What's more, the basket screen pattern provides greater strength and improves screen-to-frame fit.

**High-capacity unloading.** The PRO-LIFT basket also offers an innovative unloading system. The basket raises at an angle as the door lowers, giving you excellent stability and letting you put the basket right where it's needed. Plus, lift frame members are stronger, for increased machine stability and operator confidence.

# Get your crop from field to module



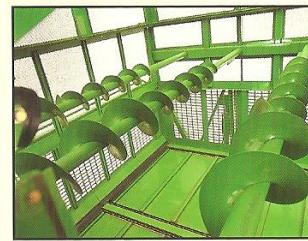
# builder FASTER ... EASIER



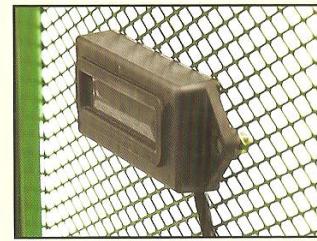
**Enjoy unprecedented unloading control with the PRO-LIFT basket.** Notice how the basket raises at an angle as the door lowers. This unique design keeps the center of gravity very near the mid-point of the machine, providing exceptional stability ... especially on uneven terrain. You can vary the unloading height from 5 feet 8 inches to as high as 13 feet 9 $\frac{1}{2}$  inches. And you can position the door for optimum unloading control and less spillage. A door extension is standard on all 6-row machines with duals and is available as an option on 4-row machines.

## Get all your ducts in row for improved performance, convenience, and capacity

**The moveable duct support structure** extends automatically whenever the basket extension is raised. No more flipper doors or chains to manipulate, with less cotton loss to the sides. And best of all, the duct system allows a basket capacity of 1,400 cubic feet with standard basket lid extension.



**Three compacting augers** pack a dense payload for longer on-row time between dumps. Power Boost supplies extra horsepower when compacting. The augers are activated automatically for 20 seconds when the basket is nearly full. Or, you can manually engage the augers with a foot switch.



**The "basket full" monitor** lets the operator know when the basket is almost full. The optical-signal system features a transmitter and receiver mounted on the upper side screens. Operators are alerted with a visual and audible alarm.



**Two conveyors** – one on the door and one in the basket – move a high volume of crop for less time at the dump site.



**The conveyor on the door** can be operated independently for fast, easy, precise topping off of modules.

New ComfortCommand™ Cab

The world's best picker comes equipped with the industry's plushest cab ... a quiet, comfortable environment that reduces fatigue, enhances efficiency, and lets you take full control of tight harvest schedules.

Climb up and take a look. Thanks to the spacious cab and sensible arrangement of the seat and controls, getting in and out of the cab is easy.

Buckle yourself into the Personal-Posture™ seat. It adjusts five ways to keep you and your operators more comfortable. There's even a training seat to keep you comfortable while you teach inexperienced operators. Order the optional air-suspension seat for the ultimate in operator comfort.

And what a view! You get an unobstructed panorama of the entire width of the row-unit toolbar, even in a 6-row configuration. No need to lean forward or crane your neck.

# Run hard. Ride easy.





**The Personal-Posture seat** with deluxe suspension adjusts perfectly to the driver, relieving fatigue and improving efficiency. For a truly luxurious ride, choose the available air suspension seat. Both seats have a standard operator-presence system.



**The training seat** provides an ideal place to sit when teaching new operators. Both the training seat and driver's seat are equipped with standard seat belts.



**The large cab** includes a wide variety of storage options, including this handy area behind the seat – a perfect place to keep those smaller items you frequently use.



**You won't find a more comfortable ride in your fields or on the road.** The cab design puts you right on top of the action with a clear view of the crop, row units, and the space in front of your machine.



Some say home is where you hang your hat ... here's another reason you'll feel perfectly at home in the new 9996 Cotton Picker.



**Standard mirrors** mounted inside the cab and on the operator's platform provide all-around visibility. Requires less swiveling in your seat while reversing.

Operating a cotton picker has never been so effortless. So easy, in fact, that even your rookie operators will harvest like pros after minimal training.

Total harvest control starts with the CommandTouch™ console – the same user-friendly design you'll find in new John Deere combines. Notice how all the controls are logically arranged and identified with easy-to-understand symbols. That's a real plus for inexperienced operators.

The hydro handle fits your hand like a glove. It offers smooth, precise ground speed control. Plus, soft-touch buttons on the handle put control over the units, basket, and conveyors in the palm of your hand.

New overhead controls and cornerpost monitors help take the headaches out of harvesting. A quick glance is all it takes to monitor vital machine functions, allowing you to focus more of your time and attention on your crop.

# The new 9996 Picker: Easy on the operator.

**Controls on the console** include: fan and unit engagement, three-position throttle, auger functions, on-board lubrication, rear-wheel drive (optional), and more.

Now, you can adjust both row unit height and sensitivity on-the-go from the cab.

Controls inside the armrest let you make both right- and left-side adjustments as field conditions change. Or, you can set the sensitivity once and lock it in (to prevent operators from changing it).



# your rookies

**The hydro handle provides smooth speed control and fingertip control of several functions, including: raise/lower of units to height sensing, individual raise/lower of units, unloading action, and optional Row-Trak guidance engage/disengage.**

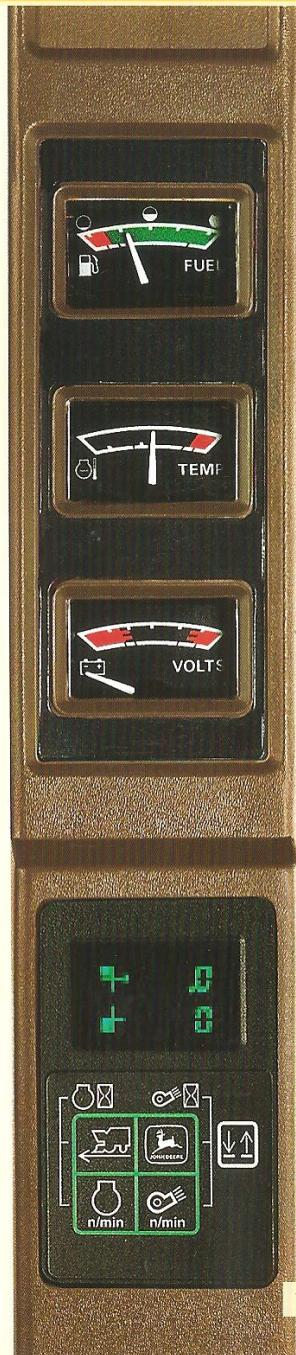
**The handy 4-way basket control switch** puts all unloading actions under your thumb. You can keep your eyes on the module builder or boll buggy, rather than constantly searching for the right toggle switches.

**Row-Trak guidance system** allows hands-off steering of the machine by aligning the row units with rows. For more information, see page 7.



**Adjust the handrest** for a better fit and better handle on comfort.

**Simple, easy-to-read gauges** let you monitor fuel, engine temperature, and system voltage.



**A dual-display tachometer** lets you simultaneously monitor two machine functions for a clearer picture of picker performance. Choose ground speed, engine rpm, fan rpm, engine hours, fan hours, or moisture system pressure.

# Light Up The Night

*Six standard forward-facing lights help provide 360-degree lighting for nighttime harvesting. A light inside the basket illuminates the entire area. The optional lighting package adds two field lamps and two sidefinder lights.*



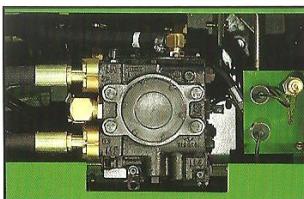
# Quick-stop service



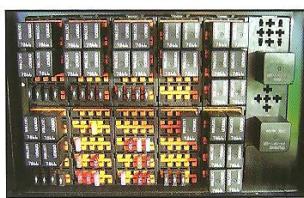
**Wide cab platform.** The cab design features a large access platform that makes it easy to inspect ducts or perform routine daily maintenance. Thanks to the new duct support structure, getting in and out of the cab is a breeze. A water-filled fire extinguisher is mounted at the deck of the platform; a second ABC-type extinguisher is located at the rear of the machine.



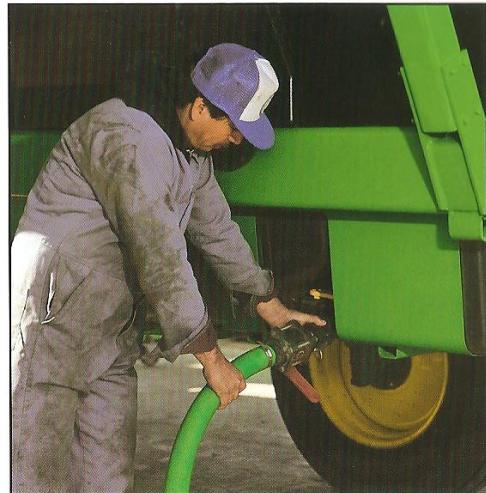
**Solution strainer.** Because you check it every day, we located the solution strainer at the forefront, where it's easy to reach. Just another small example of how John Deere builds machines with your convenience in mind.



**Quick remote lube fill.** The hydro module cover provides easy access to the remote lube fill. There's enough grease capacity to keep a 6-row machine lubed for a week.



**Easy-access fuses.** Automotive-type fuses are located behind the training seat, easy to get at, easy to change.



**Quik-Fill™ speeds refills.** A standard Quik-Fill lets you refill the moistener system much faster to get back on row sooner.

9996 Maintenance, AMS



**Get accurate yield maps with Harvest Doc™ Cotton.** The ability to collect map-based yield information can help you make the most of expensive chemical and cultural inputs. Until now, however, the lack of an accurate yield monitoring system prevented precision technology from being widely used in cotton. But with the introduction of Harvest Doc Cotton, you now have an accurate, easy-to-use system to document cotton yields.

Harvest Doc Cotton uses the three common GreenStar™ components – the receiver, display and mobile processor – along with a microwave sensor to record yield information as the picker moves through the field. At the end of the day, you can download data into JDOffice to generate a variety of reports and maps. Use the data to help make better management decisions by evaluating different varieties, inputs, and tillage practices, defining and evaluating different management zones, and obtaining accurate measurements of in-field performance.

## PRO-SERIES Pickers Specifications and Options

# 9996

**Engine** ..... 6-cylinder, 8.1 L (497 cu. in.) Tier II turbocharged, air-to-air aftercooled diesel; 350 hp (261 kW)

### Picking Units:

PRO-16 ..... 20 spindles high with 16-bar front and 12-bar rear drums (560 spindles per unit); standard on 9996, not available on 9970

Automatic row-unit height control.

PRO-12 ..... 18 spindles high with two 12-bar drums (432 spindles per unit); available on 6-row 9996 only (standard on 9970)

Automatic row-unit height control.

PRO-12VRS ..... 18 spindles high with two 12-bar drums (432 spindles per unit); available on 6-row 9996 and 9970

### Ground speeds, full throttle (PRO-12 and PRO-16 units)

2-wheel drive  
1st gear ..... 0 to 4.0 mph (0 to 6.4 km/h)  
2nd gear ..... 0 to 4.9 mph (0 to 7.9 km/h)  
3rd gear ..... 0 to 17.0 mph (0 to 27.4 km/h)

4-wheel drive (high range)  
1st gear ..... 0 to 3.5 mph (0 to 5.6 km/h)  
2nd gear ..... 0 to 4.3 mph (0 to 6.9 km/h)  
3rd gear ..... 0 to 11.7 mph (0 to 18.9 km/h)

4-wheel drive (low range)  
1st gear ..... 0 to 3.0 mph (0 to 4.8 km/h)  
2nd gear ..... 0 to 3.7 mph (0 to 6.0 km/h)  
3rd gear ..... 0 to 8.6 mph (0 to 13.8 km/h)

### Capacities:

Cotton basket  
With std. basket lid extension ..... 1,400 cu. ft. (39.6 m<sup>3</sup>)  
Fuel tank ..... 200 gal. (757 L)

Water solution tank ..... 345 gal. (1306 L)  
Lubrication system ..... 80 gal. (303 L)  
Cooling system ..... 44 qt. (42 L)  
Engine crankcase ..... 31 qt. (29 L)  
Hydraulic/hydrostatic reservoir ..... 18 gal. (66 L)  
Hydraulic system ..... Closed-center, pressure-compensated; standby pressure of 2,700 psi (18617 kPa)

DSAA34262 Litho in U.S.A. (04-10)

### Onboard unit-lubrication system:

Tether control ..... Single button for spindle, bar, cam, and gear lubrication.  
Pump ..... Hydraulically driven gear pump.

**Cotton conveying** ..... Jet-Air-Trol system with Jet-Post™ nozzle and common air duct for single suction doors

### Tires:

Drive wheels ..... 20.8-42, 14PR (R1 or R2)

Drive wheels, duals ..... 20.8 x42 in. (14PR R1 or R2) cleat (standard for 6-row machines)

Standard guide tires ..... 14.9-24, 12PR (R4)

Cleated guide tires, optional ..... 480/65 R24 R1W

Power rear axle  
(82-90-in. tread) ..... 14.9-24, 12PR (R2)

### Transport width:

4-row, 30-in ..... 150 in. (3810 mm)

4-row, 40-in ..... 173 in. (4394 mm)

6-row, 30-in ..... 218 in. (5537 mm)

6-row, 40-in ..... 236 in. (6000 mm)

### Transport height:

Basket down (with lid extension) ..... 168 in. (4267 mm)

Full-up position ..... 210 in. (5334 mm)

### Weight:

4-row, 30-in ..... 36,000 lb. (16,329 kg)

4-row, 36-, 38, or 40-in ..... 35,750 lb. (16,216 kg)

6-row, 30-in, PRO-12 units ..... 41,625 lb. (18,881 kg)

6-row, 30-, 32-in, PRO-16 units ..... 43,000 lb. (19,504 kg)

6-row, 36-, 38-, 40-in, PRO-16 units ..... 43,000 lb. (19,504 kg)

6/12 row, 30-in, PRO-12 VRS units ..... 43,630 lb. (19,790 kg)

# 9970

**Engine** ..... 6-cylinder, 8.1 L (497 cu. in.), turbocharged, intercooled diesel; 250 hp (186 kW)

### Picking Units:

PRO-12 ..... 18 spindles high with two, 12-bar drums (432 spindles per unit). Standard on 4- and 5-row 9970. Automatic row-unit height control.

### Ground speeds:

PRO-12 units, 2-wheel drive

1st gear ..... 0 to 3.6 mph (0 to 5.8 km/h)

2nd gear ..... 0 to 4.3 mph (0 to 6.4 km/h)

3rd gear ..... 0 to 15.5 mph (0 to 24.6 km/h)

### 4-wheel drive

1st gear ..... 0 to 2.9 mph (0 to 4.7 km/h)

2nd gear ..... 0 to 3.5 mph (0 to 5.6 km/h)

3rd gear ..... 0 to 9.0 mph (0 to 14.5 km/h)

### Capacities:

Cotton basket  
Intermediate height ..... 1,065 cu. ft. (30.2 m<sup>3</sup>)  
Full height ..... 1,173 cu. ft. (32.8 m<sup>3</sup>)  
Fuel tank ..... 120 gal. (454 L)  
Water solution tank ..... 275 gal. (1041 L)  
Lubrication system ..... 67 gal. (227 L)

### Tires:

Drive wheels ..... 20.8-38, 14PR (R1 or R2)

Standard guide wheels ..... 9.00-24, 8PR (R1); cleated guide tires optional (non-powered only), 14.9-24, 8 PR (R4)

Power rear axle  
(82-90-in. tread) ..... 14.9-24, 6PR (R2)

Power rear axle  
(94-118 in. tread) ..... 14.9-28, 6PR (R2)

### Transport height:

Basket down ..... 148 in. (3759 mm)

Intermediate position ..... 178 in. (4521 mm)

Full-up position ..... 90 in. (4824 mm)

### Weight:

4-row, 30-in ..... 29,050 lb. (13,177 kg)

4-row, 40-in ..... 29,050 lb. (13,177 kg)

5-row, 30-in ..... 30,990 lb. (14,057 kg)



**Optional factory-installed, 2-speed John Deere powered rear axle** is great for muddy fields.



**Optional stalklifter rods** get under plants to let you harvest the lowest-hanging bolls.



**A larger cooling module** helps keep the 350 horses running cool and smooth.



Design and specifications subject to change without notice.