

New John Deere 9976 and 9970

# PRO-SERIES™ PICKERS

*In a league all their own!*



ALL-NEW PRO-SERIES PICKERS

INTRODUCING  
**RADICALLY  
ADVANCED**

**PICKERS FOR TODAY'S COTTON GROWER**

*Welcome to a whole new era of cotton harvesting excellence.*

Meet the new PRO-SERIES Pickers. The revolutionary 9976 Picker is the world's first production 6-row machine. Based on an innovative new design, the 9976 sets new standards for picking speed, productivity in high-yielding cotton, unloading speed and control, and service convenience. New PRO-16™ row-units provide first-gear picking speeds of up to 4 mph – even in a crop yielding



3 bales an acre or better. Yes, the productivity is that good! Plus, they're loaded with new convenience features that can dramatically reduce row-unit service time.

*Meet the 9970: A rich blend of proven performance and new value.*

If you're looking for excellent productivity and value in 4- or 5-row picker, the new 9970 Picker is your machine. It offers the proven performance

and reliability of the popular 9965 Picker, with important refinements, like new PRO-12™ row units. These new row-units offer a fast, clean pick, plus all the new service features of the PRO-16 units.





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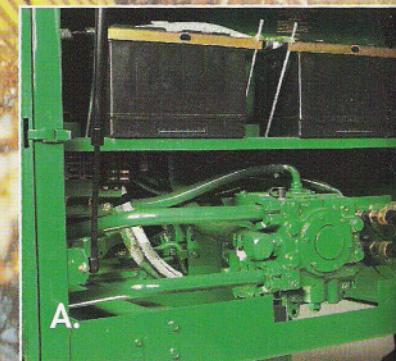
## 9976 CHASSIS, ENGINE, TRANSMISSION



Talk about strength! With 7x7-inch row-unit lift arms and the massive all-welded chassis, the 9976 Picker offers ample backbone for six row units, big basket loads, and rough harvest conditions. Notice the transverse-mounted engine. It let John Deere engineers relocate the water, lube, and fuel tanks to the rear of the machine, greatly reducing front-axle weight. The excellent weight-to-horsepower ratio, weight distribution, and dual tires (standard on 6-row and 5-row-wide machines) result in outstanding flotation, maneuverability, and ride quality.

REVOLUTIONARY PICKER DESIGN WITH

**STRONG,  
POWERFUL  
ADVANTAGES**



**Major picker redesign leads to important weight, stability, and service benefits.** Forget everything you know about picker design. The 9976 Picker represents a totally new concept.

For starters, the engine is transverse mounted. So what? That simple stroke of genius gave John Deere engineers plenty of room to relocate other major components. For example, you'll now find the moistener system, lube, and fuel tanks at the rear of the machine, where they're easy to access – even from ground level. (You can imagine how moving the tanks to the rear reduces weight on the front axle and improves weight distribution.)

The transverse-mounted engine also allows room for a self-cleaning rotary screen – similar to those found on John Deere Maximizer™

Combines. It constantly removes and expels debris from the air-intake screen – a real time- and labor-saving feature.

And what about power? You've got plenty, thanks to an 8.1-liter, 300-horsepower PowerTech™ engine. Here's big power for the demands of a six-row machine in heavy-yielding cotton. You'll find another major design advancement in the new hydro module. All the pumps-hydrostatic, hydraulic, grease, and water (as well as batteries and on board lube remote-fill outlets)-have all been located in (or near) this easy-access module.

A deluxe three-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.

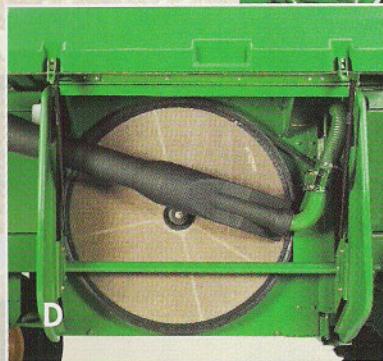
*"Our experience with the 6-row machine has been very pleasant. It was picking 90 to 95 percent of what two 4-row machines were picking."*

—Will Phillips

Phillips Planting Company, Holly Bluff, Mississippi

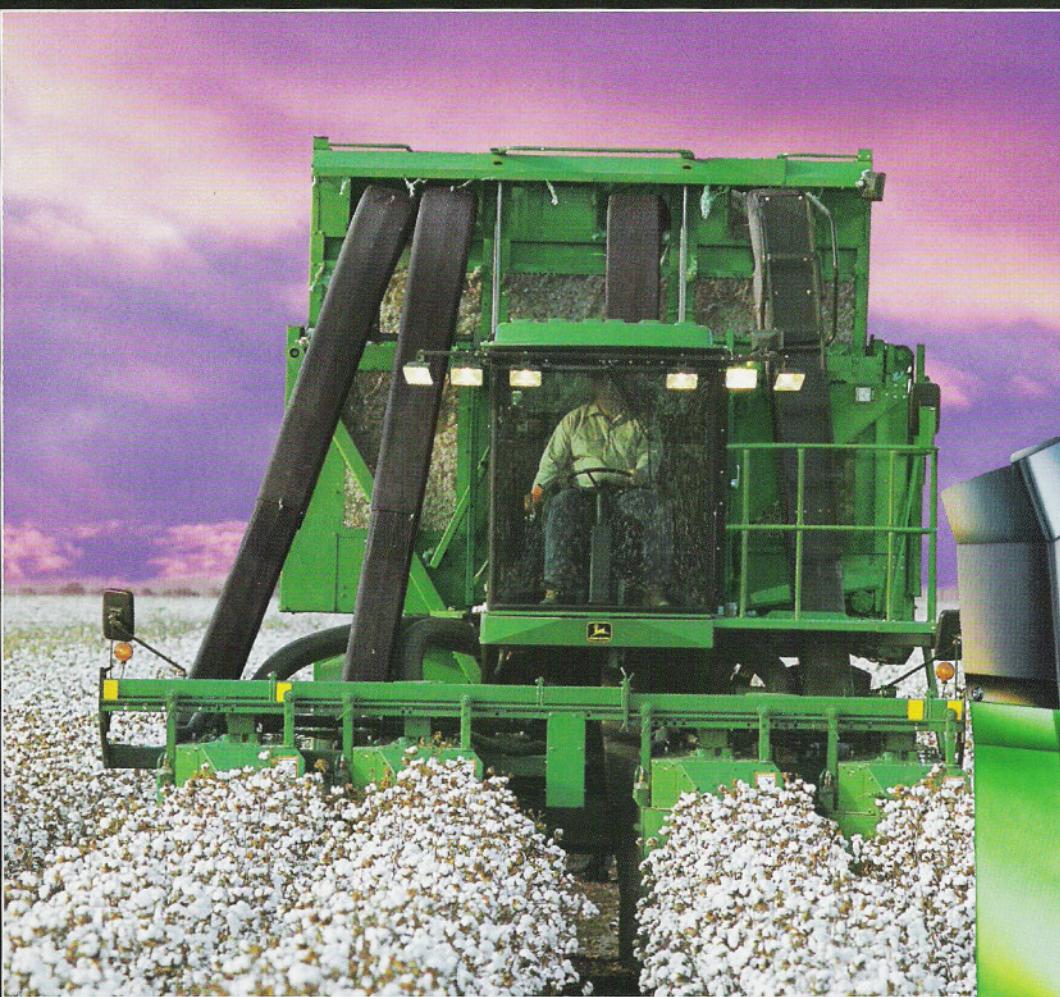


*You've never experienced power like this in any cotton picker! With legendary John Deere dependability written all over it, the new 8.1L PowerTech engine delivers 300 acre-taming horsepower. Plus, a seven percent Power Boost provides extra power when compacting cotton.*



A.) New hydro module contains the hydrostatic, hydraulic, grease, and water pumps, as well as batteries and onboard lube remote fill outlets. B.) Two independent hydro systems assure full power to the picking units and ground drives. C.) Massive, single-reduction final drives easily handle the big 42-inch duals. D.) New self-cleaning rotary screen saves time, labor.

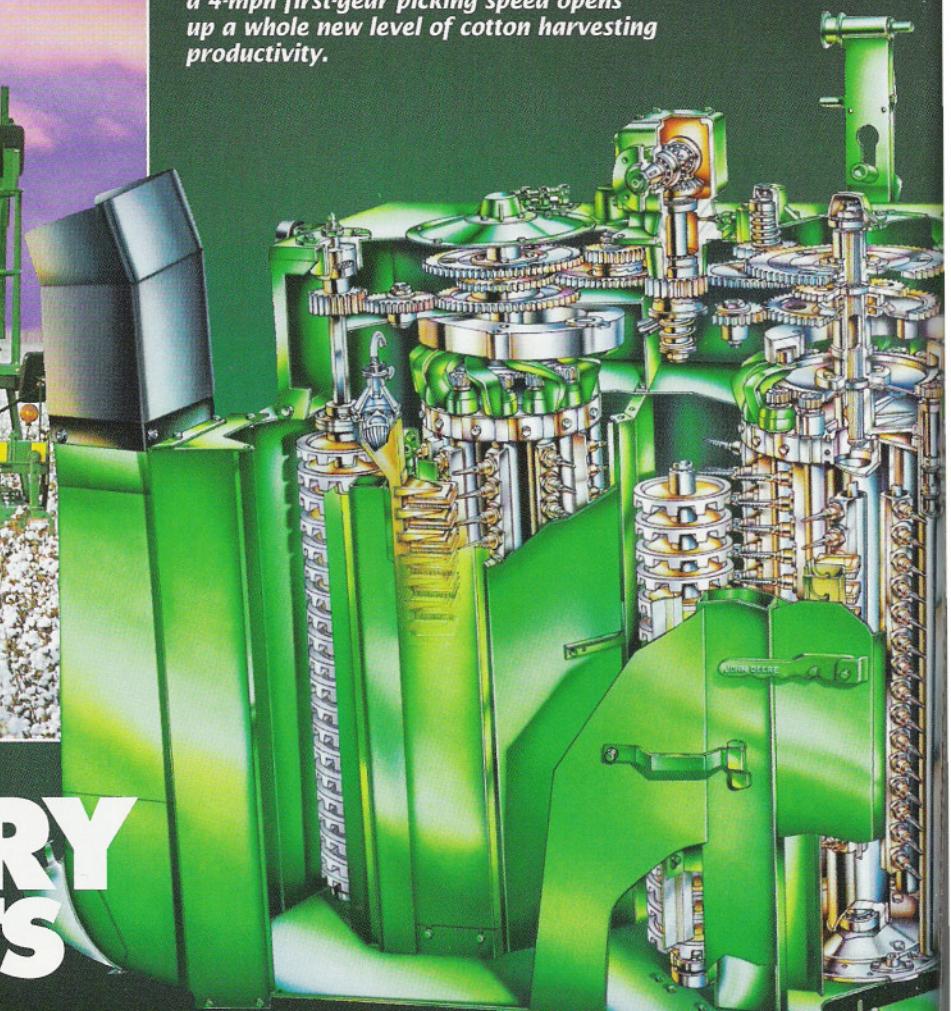
## NEW PRO SERIES ROW UNITS

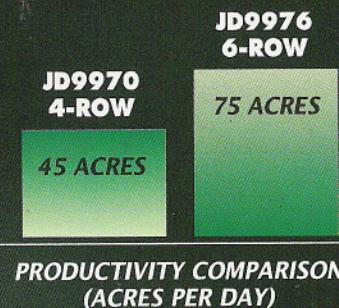
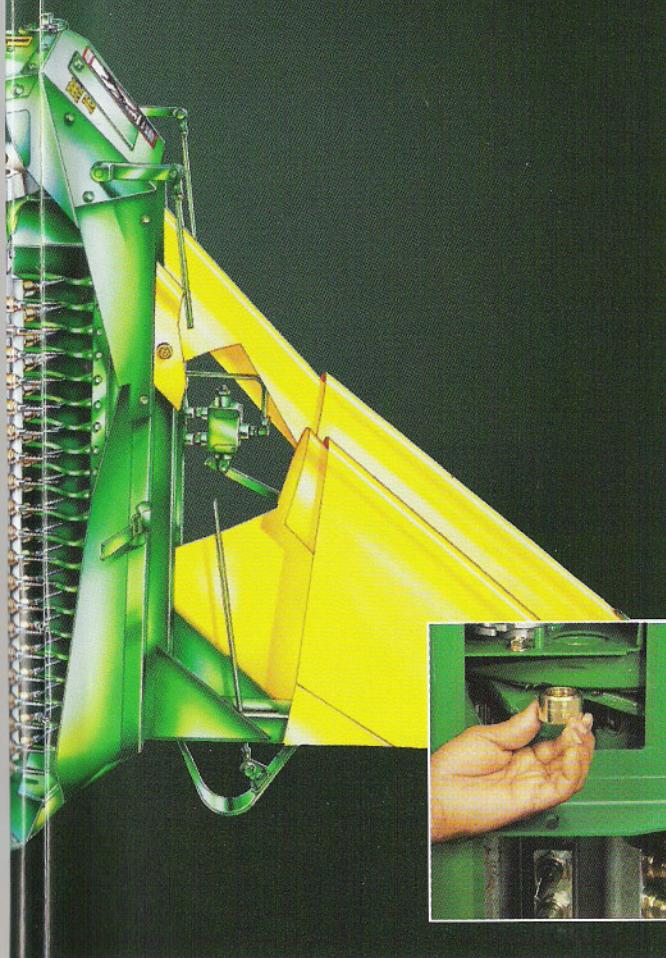


*Nothing picks a field of high-yielding cotton faster or cleaner than the new PRO-16 row unit. With 20-spindle-high, and 16-bar front and 12-bar rear drums - a 4-mph first-gear picking speed opens up a whole new level of cotton harvesting productivity.*

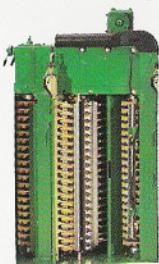
## EXTRAORDINARY NEW ROW UNITS

ALL-NEW PRO-16 AND PRO-12 UNITS





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



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

**Go with a "Pro" for the ultimate in picking speed and efficiency.** "Fantastic" is how you'll describe the new PRO-16 and PRO-12 row units. Both offer outstanding new features that boost productivity, improve service convenience, and enhance reliability.

Available only on the 9976 Picker, the PRO-16 features a 16-bar front drum and 12-bar rear drum – each with 20-spindle-high bars. You've got 560 hungry spindles with a big appetite for tall, high-yielding cotton. In fact, the PRO-16 gives you a first-gear picking speed of 4-mph, and a

*New swing-out moistener columns provide faster, easier service. Inspecting the nozzles is easier, too.*



*"I really liked what I saw on the new 20-spindle-high row unit. We could put a 6-foot-tall stalk through it with no problem. It picked our 3-bale cotton clean."*

—George Henderson  
Braton Farms, Hollandale, Mississippi



second-gear scrapping speed of 4.5 mph. For moderate-yield conditions, we offer the PRO-12 row units. Available on the 9970 Picker and on the 6-row 9976, they feature twelve-bar front and rear drums, with 18-spindle-high bars for a first-gear picking speed of 3.6 mph.

Both units feature new 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.

*The narrow profile of the PRO-SERIES row units provides excellent service access.*

*Inner unit height sensing is standard on the 6-row 9976 and available as a factory-installed option on other models. It lets you pick more low-hanging bolls because row-unit height automatically adjusts to the terrain.*





# Great VERSATILITY

## THE SURE SIGN OF AN OUTSTANDING PRO

**4-, 5- and 6-row ... wide, narrow, and skip-row patterns; the new PRO-SERIES has you covered.**

No matter what row spacing you're now planting (or might be planting in the future), you'll be ready for

just about anything with a new 9976 Picker. With 24 different row-spacing configurations, you get the ultimate cotton management flexibility. The patented John Deere roller and crank system simplifies

row-spacing changes. (New light-weight ducts are also easier to configure when you go from wide to narrow rows). And cranking the unit into place is an easy, one-person job...making row-unit

maintenance and service faster, easier, and more convenient. (Just compare this to the time-consuming process needed to move the row units on competitive machines with hydraulic systems.)



Adjusting the unit spacing on a new John Deere 9976 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 row units, you've got plenty of elbow room for accessing the doffers and moistener pads for cleanout.

## ROW-SPACING CONFIGURATIONS

### FOUR ROWS

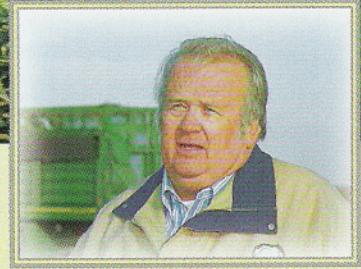
30-, 32-, 34-, 36-, 38-, and 40-inch with R1 or R2 singles; 36-, 38-, and 40-inch with R1 or R2 duals; 30-60-30-inch skip, 32-60-32-inch skip, 30-64-30-inch skip, and 32-64-32-inch skip with R1 or R2 singles or duals; 38-64-38-inch skip, and 40-64-40-inch skip with R1 or R2 singles

### FIVE ROWS

30-, 32-, and 34-inch with R1 or R2 singles; 30-, 32-, 34-, 36-, 38-, and 40-inch with R1 or R2 duals

### SIX ROWS

30-, 32-, 34-, 36-, 38-, and 40-inch with R1 or R2 duals



"This new machine gives us great flexibility. We can pick any row spacing, in 4-, 5-, or 6-row. It opens up a lot of windows for our custom business."

—Duane Berger,  
Barnes & Berger Harvesting, Blythe, California

**NOTHING GETS YOUR CROP FROM FIELD TO MODULE BUILDER**

# FASTER... OR EASIER

**High-capacity conveying, high-capacity basket, and high-capacity unloading.** As you might imagine, harvesting six rows puts new demands on a picker's conveying system. The improved Jet-Air-Trol system rises to the challenge. A new, redesigned fan rotor delivers greater air flow to handle the conveying load of six row units. Plus, the transverse-mounted engine let engineers relocate the fan for improved air distribution and outstanding conveying efficiency.

You also have plenty of capacity with the new PRO-LIFT basket –

1,200 cubic feet standard, 1,350 cubic feet with the optional extension. And the proven John Deere auger compacting system packs in more of your crop to extend on-row time.

You'll also appreciate the PRO-LIFT basket's completely redesigned 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, two conveyors – one in the basket and one on the door – give you fast unloading and unmatched control. Topping off a module has never been this easy (or fast).



*Enjoy unprecedented unloading control with the new PRO-LIFT basket. Notice how the basket raises at an angle as the door lowers. With this unique design, the center of gravity remains very near the mid-point of the machine, providing exceptional stability... especially on uneven terrain.*

*With the PRO-LIFT basket, the operator can vary the unloading height from 5 feet 8 inches to as high as 13 feet 9-1/2 inches. You can position the door for optimum unloading control, and less spillage. (A door extension is standard on 6-row machine, and available as an option on 4- or 5-row machines.)*





*Three compacting augers pack a dense payload for longer on-row time between dumps. Power Boost supplies extra horsepower when compacting.*

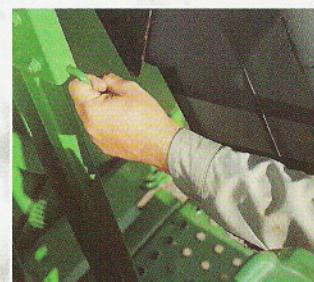
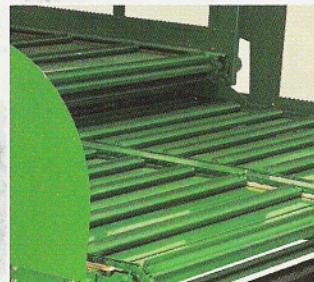
*"I was mighty impressed with the new basket. I could put it right where I wanted it for better unloading control and less spillage. Raising and lower the basket was a snap."*

*—Ronnie Via  
Via Farms, Bells, Tennessee"*



*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.*



*Preparing to lower the PRO-LIFT basket is easy. First, fold in the duct side-shields, then hook up the duct support chains, pull the duct retaining pin (shown above), and*

*...unlatch the corner latches. (It's much easier now thanks to new semi-automatic latching. No need to crawl atop the basket.)*

*You can raise the basket to field position, or lower for transport or storage in just a few minutes. No duct disassembly required!*

## 9976 CAB AND CONTROLS

# CHOOSE A SIMPLE, MORE COMFORTABLE PLACE FOR A MORE EFFICIENT HARVEST



*Operators enjoy a comfortable ride and excellent visibility in the new 9976.*

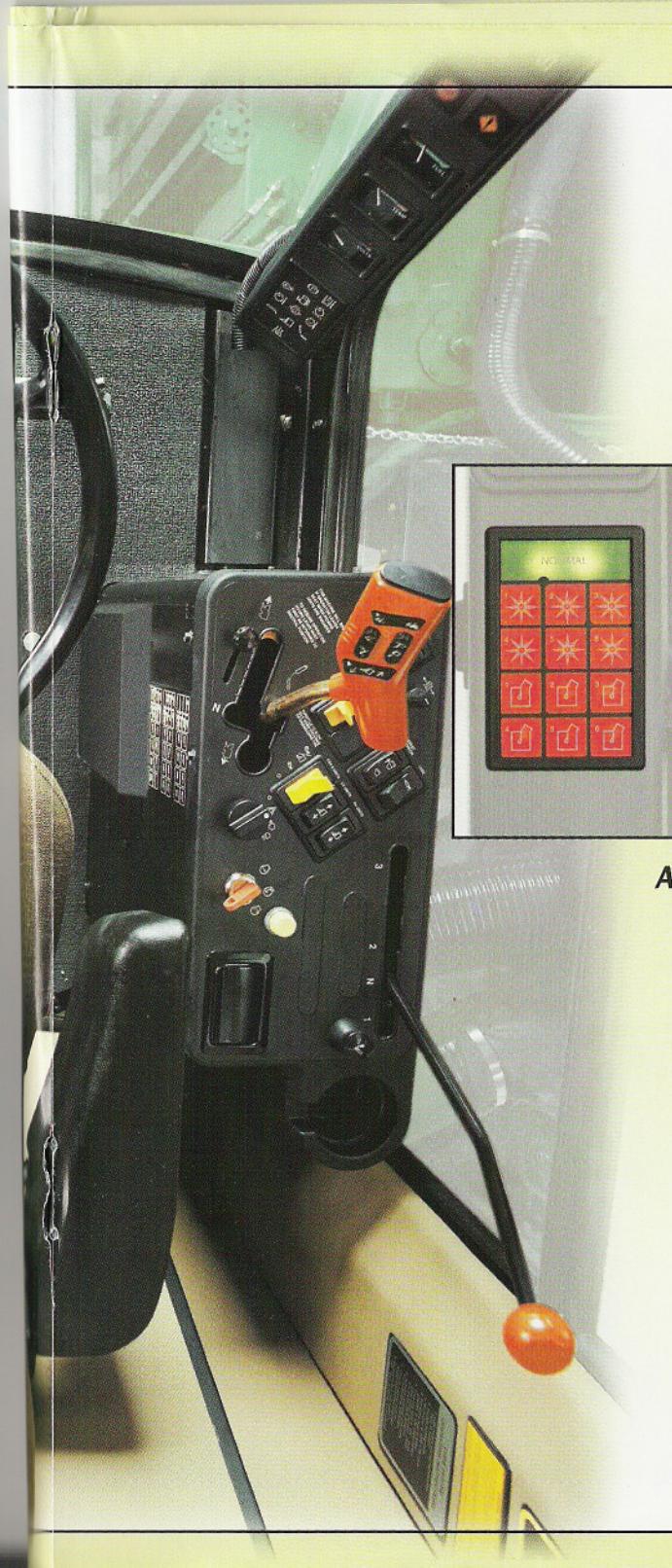
**Perfect blend of efficient comfort and simple control.** Here's a quiet, comfortable environment that reduces fatigue, enhances efficiency, and lets you take full control of tight harvest schedules.

The genuine Sound-Gard®-styled cab is pressurized to keep out dust and maintain a cleaner interior. Heater and air-conditioning are standard. A large windshield and side windows provide excellent visibility to the row units. A tilt-

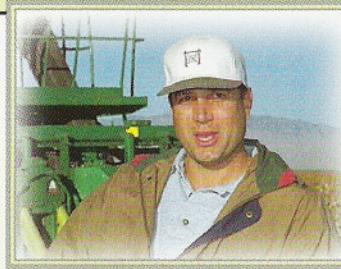
and-telescoping steering column matches the operator's preference.

Plus, the John Deere Personal-Posture™ seat with deluxe suspension adjusts perfectly to the driver – relieving fatigue and improving efficiency. An operator-presence system, standard, shuts down the row units five seconds after the operator leaves the seat – a valuable safety feature. An AM/FM radio with cassette and weatherband is also standard.



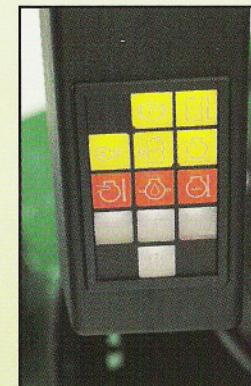
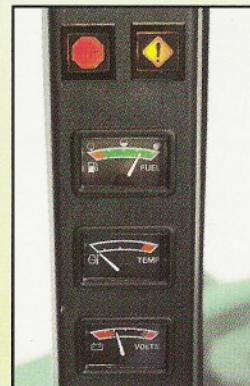
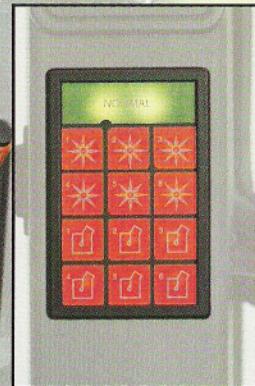


All monitors are located on the right-hand cornerpost, within the normal line of sight. You can make intermittent visual inspections of machine functions, without losing sight of the rows or row units. Also, notice the clean, uncluttered layout of the console. Large, color-coded controls add to efficiency and safety.



We tested the new 6-row in a wide range of upland and Pima varieties. We found we could pick at 4 mph without impacting yield or grade. It did extremely well."

—Mark Grewal  
J.G. Boswells, Corcoran, California



A

B

C

D

E

**A.) Harvest system monitor.** Lets you keep close tabs on drum rotation and any plugging in the doffer zone. **B.) Dual-display tachometer.** Provides readouts of two functions simultaneously to give you clearer picture of performance. **C.) Gauge panel.** Simple, easy-to-read gauges monitor fuel, engine temperature, and system voltage. **D.) Machine systems monitor.** Monitors parking brake engagement, hydro/hydraulic oil temperature, conveying-fan rpm, moistener tank volume, air filter restriction, engine oil pressure, engine coolant temperature, onboard lubrication, tether, and ROW-TRAK guidance system. **E.) Hydro handle and console.** The hydro handle provides smooth speed control and fingertip control of several functions, including raising and lowering the row units to height-sensing position, raising and lowering the basket, opening and closing the door, and engaging the basket and door conveyors and optional ROW-TRAK guidance system. Also, notice how the right-arm console puts the throttle, fan engagement, and onboard lube system close at hand. **F.) Overhead console.** Features easy-access temperature controls and new AM/FM radio with cassette and weatherband.

F





***Big-capacity tanks expand productivity.***

An 80-gallon lube tank, 275-gallon moistener-system reservoir, and 150-gallon fuel tank reduce refills. Also, bright, easy-to-understand decals reduce the chance of refilling a wrong tank.

***Faster, easier daily servicing.***

All the rear fill ports are within reach from ground level, for quicker, more-convenient daily service.

***Quick remote lube fill.***

The hydro module offers 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 easy to get at, easy to change. (Shown with cover removed.)

### NEW 9976 PICKER SETS

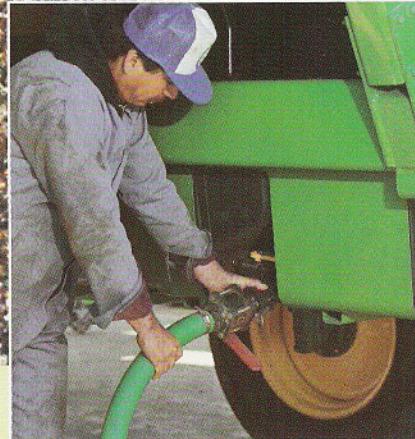
# NEW STANDARD FOR SERVICE CONVENIENCE



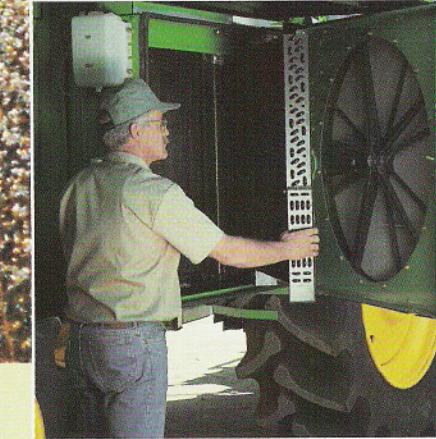
**All-new row-unit service convenience.** Both the PRO-12 and PRO-16 row units feature swing-out moistener columns for quick inspection, fast adjustment, and easy moistener pad replacement.



**Inspect or lube from ground level.** A tethered control lets you rotate and lube the picking units from the ground. The proven onboard lubrication system completely lubricates picking units.



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



**Swing-out air-conditioner condenser and oil cooler.** The radiator, aftercooler, oil cooler, and air-conditioning condenser can be easily serviced from ground level.



**INTRODUCING THE**

# **NEW 9970 PRO-SERIES**

***An unmatched combination of proven performance and productive refinements.***

The popular John Deere 9965 Picker has a well-deserved reputation for harvesting productivity, row-spacing flexibility,

and season-long dependability.

Now, the 9970 stands ready to take its place as the picker of choice for growers looking for outstanding value in a 4- and 5-row machine. Indeed, the 9970 Picker is a smart choice...thanks to new PRO-12 row units that add much greater service convenience, and nice cab enhancements that make life a little easier during the long days of harvest.



***Remote onboard lubrication is a standard feature on the new 9970 Picker. Just one more way John Deere delivers more value for your picker investment.***

**Automatic height-sensing lets you run the units along the ground to pick up low-hanging bolls. When the height-sensing shoe reaches a change in ground contour, a valve sends hydraulic oil directly to the unit lift cylinders. Response is immediate.**



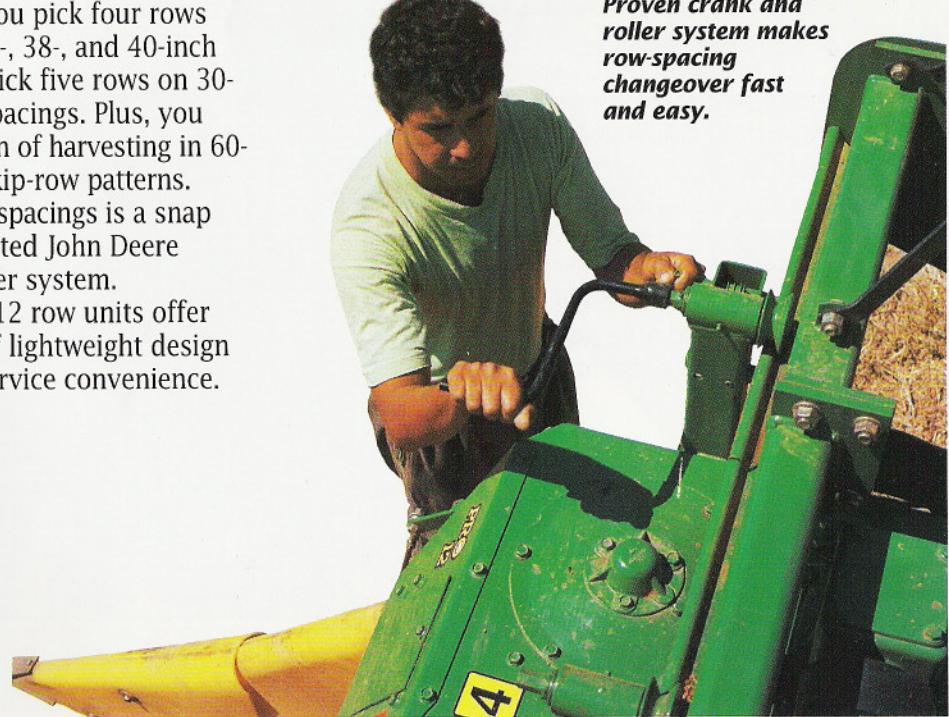
**New PRO-12 row units feature 12-bar front and rear drums, each with 18-spindle-high bars. Swing-out moistener columns make servicing a snap. (Please see pages 6 and 7 for more information about new PRO-SERIES row units.)**

**A John Deere 9970 Picker offers plenty of planting versatility. You can pick four rows on 30-, 32-, 36-, 38-, and 40-inch row spacings, or five rows on 30- or 32-inch row spacing. And if you grow cotton on skip-row patterns, the 9970 Picker has you covered.**



**Enjoy great row-spacing versatility and new row-unit service convenience.** With 14 row spacings, the 9970 offers plenty of flexibility for your cotton planting plans. It lets you pick four rows on 30-, 32-, 36-, 38-, and 40-inch spacings. Or pick five rows on 30- and 32-inch spacings. Plus, you have the option of harvesting in 60- and 64-inch skip-row patterns. Changing row spacings is a snap with the patented John Deere crank and roller system.

New PRO-12 row units offer the benefits of lightweight design and all-new service convenience.



**Proven crank and roller system makes row-spacing changeover fast and easy.**

# OUTSTANDING COMFORT AND CONTROL

**PUT YOURSELF IN A BETTER ENVIRONMENT FOR A MORE PROFITABLE PICK**

**Productive comfort and simple, efficient controls.** Now it's easier than ever to stay on top of harvesting thanks to the 9970 Picker's Sound-Gard-styled cab.

It starts with comfort. You're surrounded by it in a 9970. A tilt-and-telescoping steering wheel fits the way you like to drive. And a Personal-Posture seat provides all-day support and comfort, so you work more alert.

You'll also like the simple, straight-forward controls. The hydrostatic drive gives you smooth speed changes. And the hydrostatic handle offers push-button control of frequently used row-unit and basket functions. Most other controls are conveniently located next to the right-hand armrest. Handy rocker switches give fingertip control



of water solution pressure, on-board lubrication, basket telescope, basket dump, and fan operation.

**Simple monitors assure full harvest control.** All monitors and gauges are located on the right-hand cornerpost – in view, but not in the way. Simple to understand, these monitors constantly survey various functions and instantly alert you, with both visible and audible signals, if a problem occurs.

*A large, tinted windshield provides an unobstructed view to the rows and to the picking units. You'll also appreciate the mirrors that give you a clear view to the rear.*



*A dual digital readout provides engine and fan speed, moistener-system pressure, and oil temperature. Any problem with the picking units, such as plugging, are identified quickly with Harvest System monitors. Additional monitors alert you to problems with hydraulic/hydrostatic oil temperature, air filter restriction, engine oil pressure, and engine coolant temperature. There's even an indicator that tells you when all the conditions have been met for operating the remote tether.*



*The overhead console provides easy access to the standard heating and air-conditioning controls. A new AM/FM radio with cassette player and weatherband is also standard equipment.*



*The hydrostatic lever gives you smooth control of ground speed. Electrohydraulic controls give you push-button operation of raising and lowering row units, starting and stopping unloading conveyor, and engaging height-sensing system.*

# BIG CAPACITY FAST UNLOADING



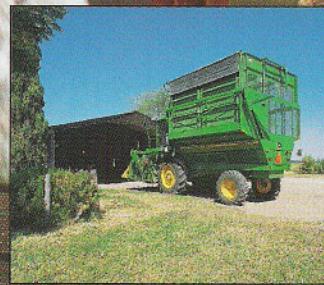
***High-capacity conveying, large payload basket, plus fast dump cycles.***

Getting your crop from the picking units to the basket rests on the shoulders of the proven John Deere Jet-Air-Trol conveying system. A high-capacity fan delivers strong, constant airflow for moving a large volume of cotton, with less chance of plugging. (A proven doffer-zone monitor alerts operators instantly of any problems

with the flow of cotton, preventing downtime.)

The telescoping basket is the same well-accepted design found on the popular 9965 Picker. With a standard 1,173-cubic-foot-capacity basket and John Deere 3-auger compactor system, it provides a large payload for longer on-row time. It also provides extra-fast dump cycles and good unloading control. You can raise or lower the basket from transport or to one of two working positions, in just a few minutes.

***It's easy to switch between a 12-foot 4-inch transport height to one of two field positions: 14-foot 10-inch (1,065-cubic-foot capacity) or 15-foot 10-inch (1,173-cubic-foot capacity.) Lowering the basket is just as easy. There are no conveyor chutes to disassemble. You control raising and lowering from the cab electrohydraulically.***



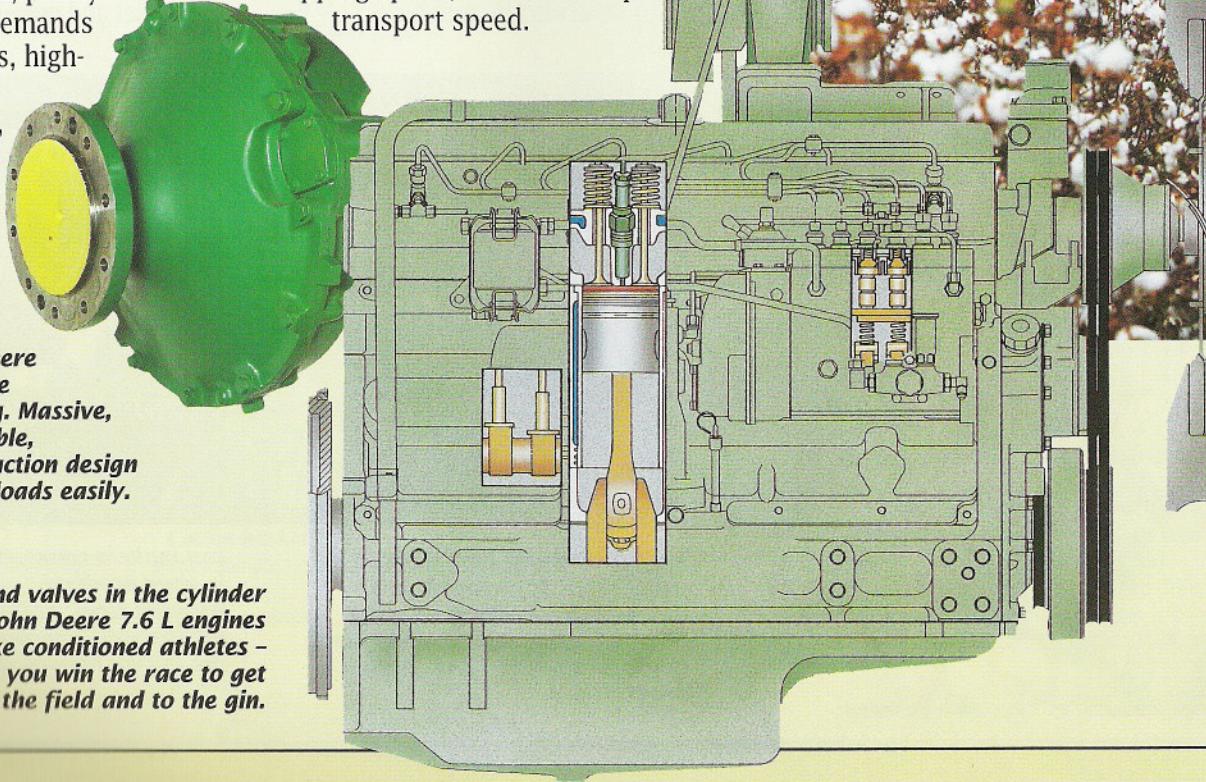
# **POWER AND STRENGTH TO HELP YOU KEEP PACE**

**Dependable John Deere engine power, load-conquering final drives.** Reliable. Rugged. Efficient.

They're words a lot of growers used to describe the 7.6-liter engine found on the 9965 – and now on the new 9970. This 466-cubic-inch powerplant delivers 250 turbocharged horsepower, plenty for the big power demands of five picking units, high-yield conditions, heavy basket loads, and soft soil. And here's fuel economy that stretches

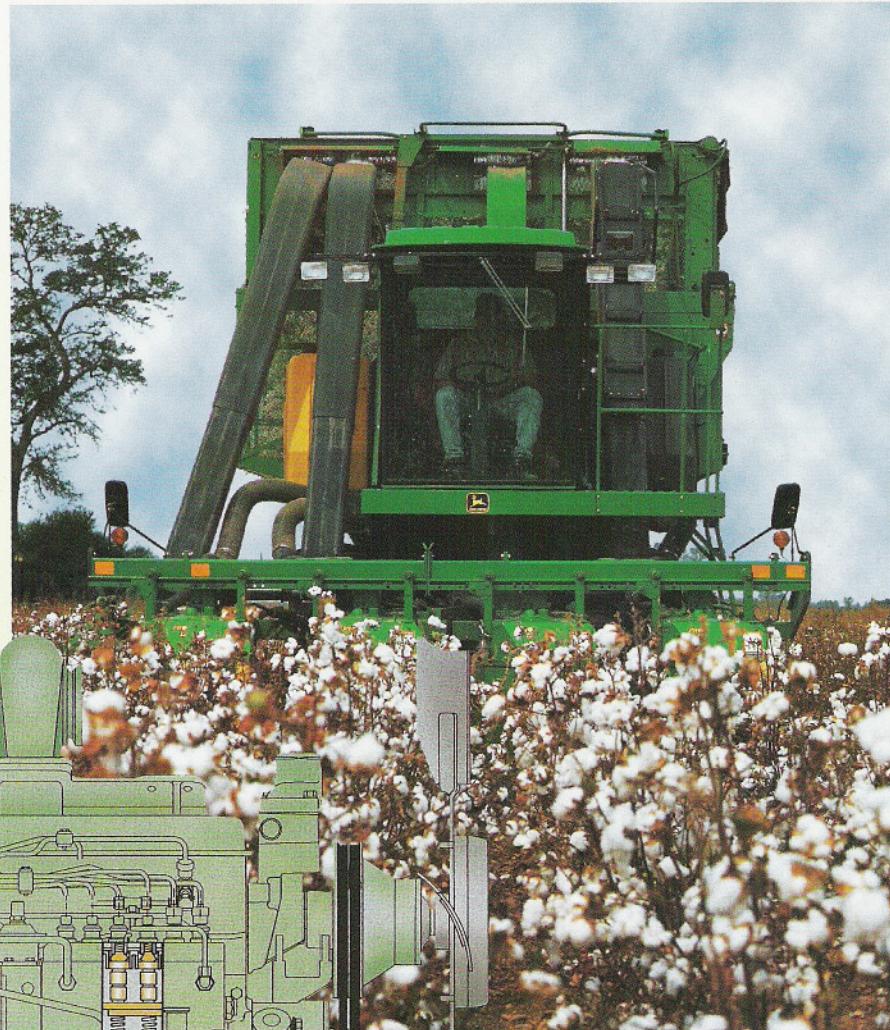
every drop from the big 120-gallon fuel tank, so you can pick all day without refueling.

The new 9970 features a 3-speed transmission with hydrostatic drive, for smooth speed control. It offers a 3.6-mph first-gear picking speed, 4.3-mph second-gear scrapping speed, and a 15.5-mph transport speed.



**Dependable John Deere final drives carry the weight of harvesting. Massive, strong, proven-reliable, the simple gear-reduction design handles aggressive loads easily.**

**Large ports and valves in the cylinder head let these John Deere 7.6 L engines breathe like conditioned athletes – ready to help you win the race to get your crop out of the field and to the gin.**



**Extremely efficient, high-performance turbocharger offers great air-handling capacity, to boost torque rise and maintain low fuel consumption at all speeds, and at any load.**



## HANDS-OFF STEERING FOR A BETTER HARVEST

*Let ROW-TRAK guidance steer your 9976 Picker... after all, you've got better things to do.*

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

Perfect reasons for equipping your John Deere 9976 Picker with ROW-TRAK guidance. By steering the picker and keeping it automatically "on-row", the ROW-TRAK system lets your operators focus their attention on picking cotton, rather than steering the machine.

Operators drive 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.

What's more, ROW-TRAK was designed for John Deere harvesting equipment. 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*

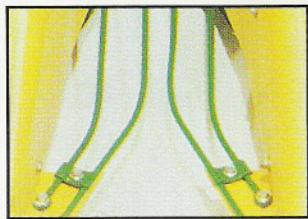
*can make a tremendous difference in your productivity. Simply line up with the rows, and activate the guidance system with a switch on the hydro. handle. It's that easy.*

# 9970 AND 9976 SPECIFICATIONS

Design and specifications subject to change without notice.



**Optional cleated guide tire improves steering control in muddy conditions.**



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



**Factory-installed, 2-speed Mud-Hog™ rear-wheel-drive option is great for rolling ground and muddy fields. (Warranty parts and service provided by authorized MudHog dealer.)**

## 9976

**Engine** ..... 6-cylinder, 8.1 L (497 cu. in.) turbocharged, air-to-air aftercooled diesel, 300 hp (224 kW)

### Picking Units—

**PRO-16 Units:** ..... 20 spindles high with 16-bar front and 12-bar rear drums (560 spindles per unit). Standard on 9976. Not available on 9970.

**PRO-12 Units:** ..... 18 spindles high with two 12-bar drums (432 spindles per unit). Available on 6-row 9976 only. (Standard on 9970.)

Automatic row-unit height control.

### Ground speeds (full throttle):

#### PRO-12 units, 2-wheel drive

Picking speeds:

1st gear ..... 0 to 3.6 mph (0 to 5.8 km/h)  
2nd gear ..... 0 to 4.0 mph (0 to 6.4 km/h)

Transport speed:

3rd gear ..... 0 to 15.3 mph (0 to 24.6 km/h)

#### PRO-12 Units, 4-wheel drive

Picking speeds:

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)

Transport speed:

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

#### PRO-16 Units, 2-wheel drive

Picking speeds:

1st gear ..... 0 to 4.0 mph (0 to 6.4 km/h)  
2nd gear ..... 0 to 4.5 mph (0 to 7.2 km/h)

Transport speed:

3rd gear ..... 0 to 17.0 mph (0 to 27.4 km/h)

#### PRO-16 Units, 4-wheel drive

Picking speeds:

1st gear ..... 0 to 3.2 mph (0 to 5.0 km/h)  
2nd gear ..... 0 to 3.6 mph (0 to 6.0 km/h)

Transport speed:

3rd gear ..... 0 to 10.0 mph (0 to 16.0 km/h)

### Capacities—

#### Cotton basket:

Intermediate height ..... 1,065 cu. ft. (30.2 m<sup>3</sup>)  
Full height ..... 1,200 cu. ft. (33.6 m<sup>3</sup>)  
With lid extension ..... 1,350 cu. ft. (37.8 m<sup>3</sup>)  
Fuel tank ..... 150 gal. (568 L)

Water solution tank ..... 275 gal. (1041 L)

Lubrication system ..... 80 gal. (303 L)

Cooling system ..... 44 qt. (42 L)

Engine crankcase ..... 33.8 qt. (32 L)

Hydraulic/hydrostatic reservoir ..... 18 gal. (66 L)

### Hydraulic system

Closed-center, pressure-compensated.

Stand by pressure ..... 2,700 psi (18617 kPa)

### 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

Features new fan rotor designed to handle six

row units

### 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 and  
5-row-wide machines)

Standard guide tire ..... 11.25-24, 10PR (I1)

Cleated guide tire optional 14.9-24, 12PR (R4)

Power rear axle

(82-102-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)

5-row, 30-in. ..... 188 in. (4775 mm)

5-row, 40-in. ..... 198 in. (5030 mm)

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

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

### Transport height

Basket down (without

optional lid extension) ..... 151.5 in. (3848 mm)

Intermediate position ..... 182 in. (4623 mm)

Full-up position ..... 191.5 in. (4864 mm)

Full-up position

with lid extension ..... 209.75 in. (5328 mm)

### Weight

4-row, 30-in. ..... 33,980 lb. (15,410 kg)

5-row, 30-in. ..... 37,000 lb. (16,780 kg)

6-row, 30-in. ..... 39,630 lb. (17,973 kg)

## 9970

**Engine** ..... 6-cylinder, 7.6 L (466 cu. in.) turbocharged, liquid-to-air aftercooled diesel 250 hp (186 kW)

### Picking Units—

**PRO-12 Units:** ..... 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

Picking speeds (full throttle):

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)

### Transport speed:

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

### 4-wheel drive

Picking speeds:

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)

### Transport speed:

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 wheel ..... 9.00-24, 8PR (I1)

Cleated guide tire 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 ..... 190 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)