



COTTON PICKERS





OUT-FRONT PRODUCTIVITY THE COMPETITION STILL CAN'T MATCH

Over the years, John Deere has shown a skill for offering you the most innovative cotton harvesting equipment. This year is no different. Because this year we introduce the new 9930 Picker. It's a 2-row machine with the productive heartbeat of our innovative 4-row model—the 9950. That's the one that can

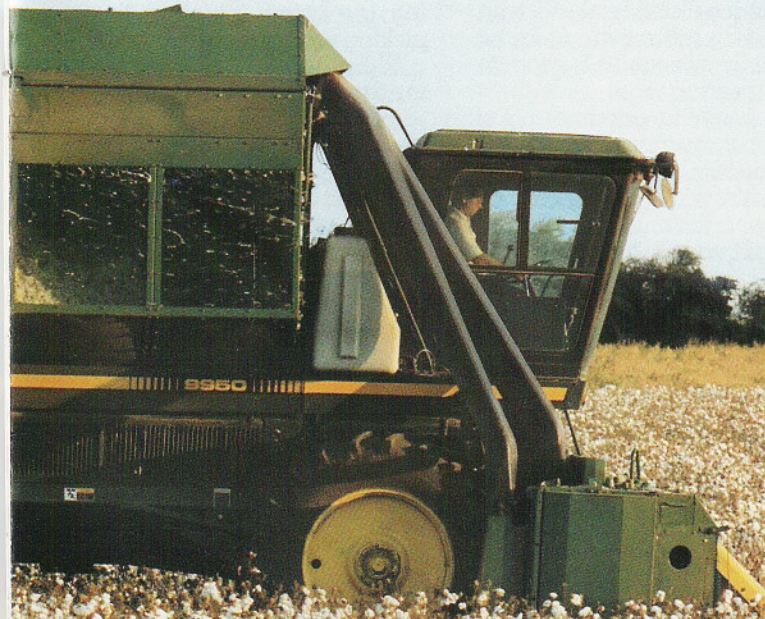
improve 4-row productivity up to 25 percent.

Yes, these are major advances. Advances that come from many exclusive features the competition can't match at any price.

So read through the following pages. You'll change your ideas about how productive cotton pickers can be.

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HOW WE'VE KEPT THE BEST, IMPROVED THE REST

Experience is the best teacher. Years of experience showed that our lower-inertia, 12-bar drums pick with less power than required by 16-bar designs. By having four fewer bars, each row unit weighs 100 pounds less. Less weight for less mass in motion, less energy required to turn the units. And by having less mass, these units stop quicker when the slip clutch releases, minimizing unit damage.

Experience taught us a few



Our picking units stay with the proven efficiency of a 12-bar design. Stronger picker bars, simpler adjustments, big-capacity double doors and Jet Posts (on the 9950) lead to even greater productivity.

other things:

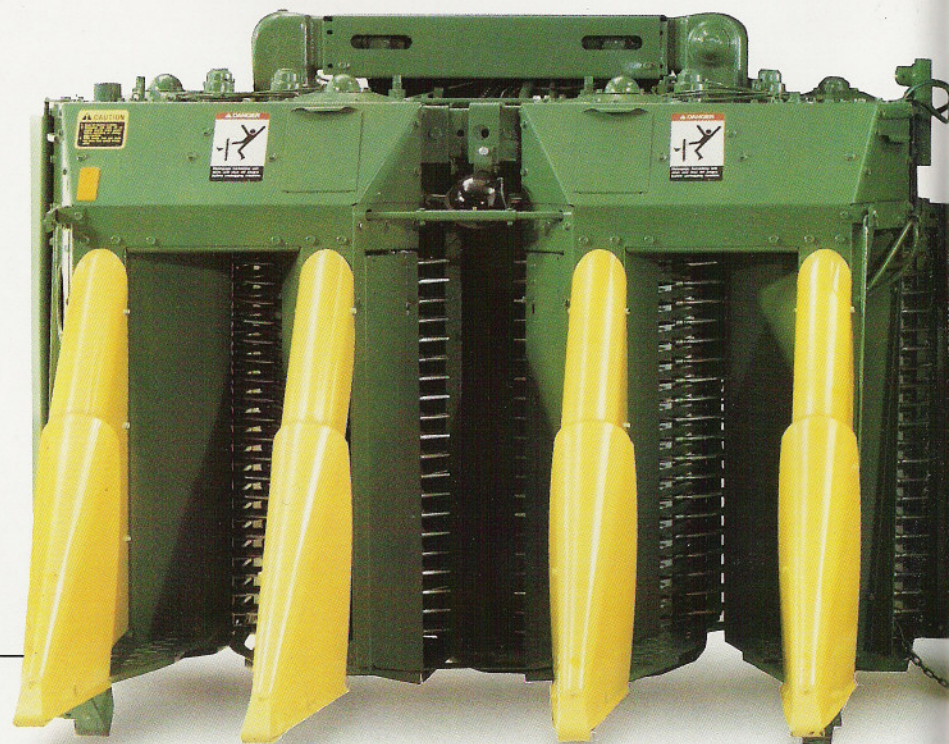
Improving unit reliability. We made the picker bars stronger, more resistant to bending. We strengthened the cam rollers, too. All for greater reliability along with greater productivity at faster picking speeds (3.5 mph in first gear).

To move larger amounts of cotton through the front drums on the 9950, double doors are 2 inches wider and 2½ inches deeper than before. Directional vanes funnel cotton

downward, while new Jet Posts keep the cotton flowing (see page 6).

Picking cleaner. The rear pressure plate is more aggressive than before, holding the cotton plant in the picking zone longer.

Simplifying unit adjustments and maintenance. "Easy to get to." That's what you'll say about picking unit operating adjustments on the 9950 and 9930. For example, you adjust the rear moisture column from the top of



the row unit cabinets.

And, you can forget about changing up to eight moistener column strainers. Now you only service two next to the solution pump at the side of the picker. Easy to get to. Easy to work on.

Making height-sensing adjustments easier. Our previous automatic height-sensing system proved it could consistently pick low-hanging bolls. But up to five different adjustments were needed to keep the system

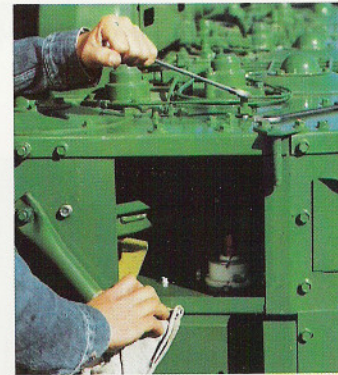
"in tune."

With the 9930's and 9950's height-sensing systems, you set unit tilt, then forget it. Unit lift and shoe height adjustments are easily set to match field conditions. Once you set 'em, forget 'em. There are no stabilizer cylinders to adjust. No adjustments at the main control valve. When the height-sensing shoe reaches an obstruction or change in ground contour, an all-new height-sensing valve sends the hydraulic oil flow directly

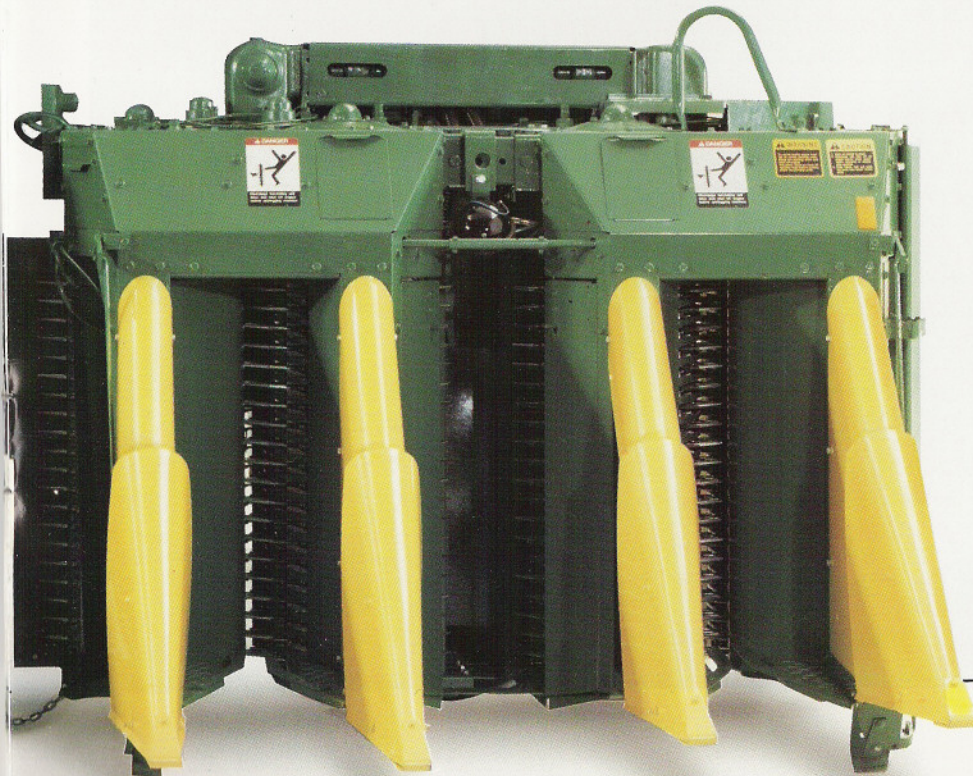
to the unit lift cylinders. Response is immediate. No tilt before the lift. And a new hydraulic priority valve makes sure there's no unit sag when you engage the compactors (9950 only).

You can run the units nearly flat along the ground to pick more low-hanging bolls.

This new automatic height-sensing system is standard on both the 9950 and 9930 Pickers.



Picking unit adjustments are quick and easy on both the 9950 and 9930. One example: adjust the rear moistener columns from the top of the unit cabinets.

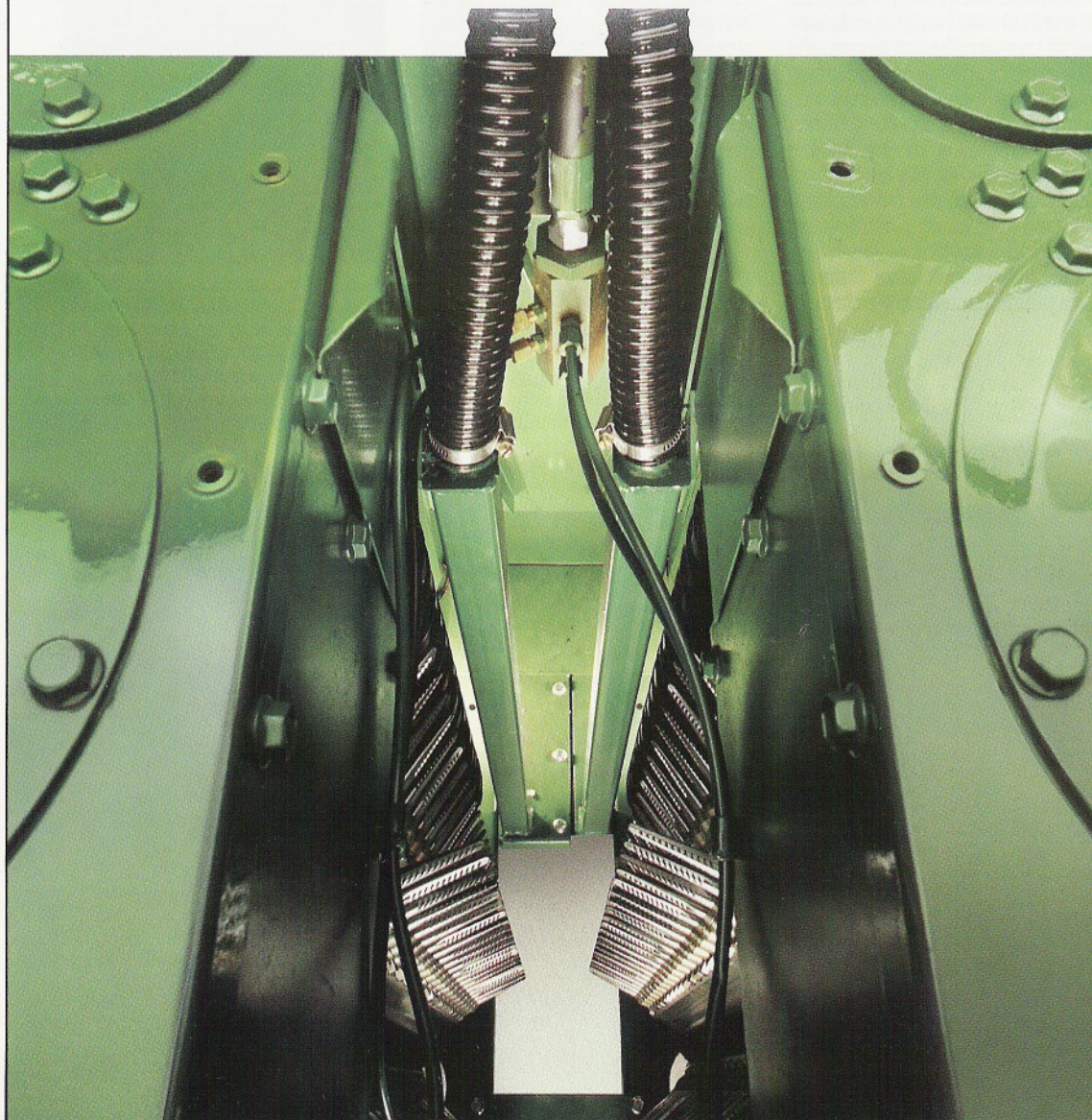


AIR SYSTEM

JET-AIR-TROL® AIR SYSTEM

The Jet-Air-Trol cotton conveying system deserves a lot of respect. For years it has proven its ability to handle tough picking situations. A single large fan blows air through 7-inch hoses to nozzles above double suction doors and 4-inch hoses that connect directly to the outside ducts. As air enters the conveyer ducts, it creates a suction in the doors that quickly lifts cotton out of the door area and gently sails it through the ducts into the basket. Simple, effective and reliable. You'll find this same system in place on both the 9950 and 9930.

Plus, on the 9950, you'll find an improvement worthy of the Jet-Air-Trol system...new high-capacity double doors with Jet Posts. We've routed 2-inch hoses from the conveyor ducts to posts on either side of the double-door opening near the doffers. Air is directed to the bottom of the double door, helping move the cotton to the rear of the door. With Jet Posts at work, high-yielding cotton and faster picking speeds won't build up plugs.



Jet Posts (left) on each side of high-capacity double doors carry air to the bottom of the doors on the 9950, directing cotton into the Jet-Air-Trol system.

THE SOLUTION IS A FOOTSTEP AWAY



It's important to keep dirt, sap and green stain washed off spindles so they can pick efficiently. So John Deere pickers feature a pressurized moistener system. Introduced over 16 years ago, this system has proven it helps put a cleaner grade of cotton in the basket.

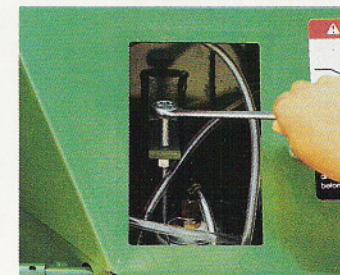
Now we've made the system even easier to operate. A foot-operated flush valve at the left of the steering column leaves your hands free for other picker operations. It's perfect for tight turn-row situations.

Moistener system maintenance on the 9950 is easier as well. Two easy-to-reach solution strainers replace the eight on the 9940.



Flow regulator and an easy-to-see pressure gauge are at the left side of the seat.

To keep you from running for water every few hours, the 9930 has a 170-gallon solution tank. The 9950, a 230-gallon capacity tank.



Operators can easily adjust rear moistener pads close to spindles.



This 230-gallon solution tank on a 9950 allows operators to spend more time picking, less time refilling.

BASKETS

WE DECIDED TO PACK IN MORE COTTON. YOU DECIDE HOW TO UNLOAD IT.

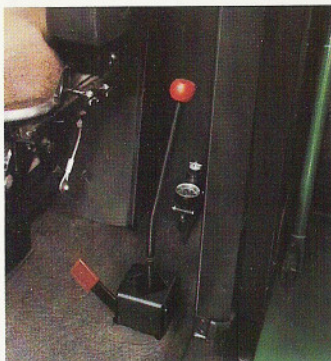
There's a 608 cu. ft. basket to fill on the 9930 Picker. A huge 856 cu. ft. basket on the 9950. Need more capacity with your 4-row? Put on 12- or 24-inch extensions and increase capacity to 1,152 cu. ft. And, we've found a way to pack in up to 20 percent more cotton with the 9950. A high-torque auger drive and stronger auger tubing make the difference.

To unload all that capacity, you have a choice. Unload with a standard conventional design. Or, you might want to look at the optional vane unloading system on the 9930 or the metered basket unloading system on the 9950.

One convenient lever lets you control all basket functions. Compacting cotton. Raising the basket. Conveying (on the 9950) or controlling the vane (on the 9930). Lowering the basket. There's also a foot control for compacting augers on both the 9950 and 9930.

The 9950 Picker's optional metered unloading system can quickly empty the large capacity basket. Or, you can easily top off a trailer or module-builder.





Compactors, basket lift and lowering, and optional metered cotton unloading or vane unloading are all controlled with one lever.



The optional metered unloading system on the 9950 includes simple hydraulics, a time-proven chain and flighting design, and a power metering bar that helps control the cotton flow.

Basket compactors are standard equipment on the 9930. An optional vane unloading system lets you hold back up to 45 percent of the basket load. Topping off trailers or module-builders was never easier.



CONTROL CENTER

COMFORT AWAY FROM THE ELEMENTS

The 9950 and 9930 Pickers come with a Sound-Gard® styled cab* as standard equipment. The operator works in quiet surroundings, protected from the elements.

Noise, a source of early fatigue, is reduced thanks to thick padded insulation. A pressurizer keeps the dust and dirt outside. Tinted glass and a non-reflective black interior reduced glare, giving the operator a panoramic view of stalk lifters and the rows of cotton ahead. The cab is even heated for extra

comfort on cold days. To keep the operator cool on hot days, outfit the cab with air conditioning.

Both the 9950 and 9930 cabs are equipped with Personal-Posture™ seats. For added comfort and a smoother, more level ride, a deluxe seat suspension features up-and-down, fore-and-aft and weight adjustments.

A common-sense cab layout puts most picker controls on a console at the operator's fingertips. Other controls, including basket compactors and moistener system flush, are foot-operated.

The 9950 carries five mirrors. Two are for rear view. One interior to show basket filling. And the other two are for keeping an eye on the front drums and double-suction doors. The 9930 features two rearview mirrors.



A common-sense cab (9950 shown above, the 9930 at left) layout puts controls at your fingertips. Others are foot-operated, leaving your hands free.

*No rollover protection.

THIS MONITOR KEEPS AN EYE OPEN FOR MAXIMUM EFFICIENCY

The 9950 and 9930 Pickers cut downtime and give you more productive on-row time. The standard-equipped monitor sees to it. It constantly checks drum drives, air flow through the ducts and fan pressure. Then instantly alerts the operator, with both visible and audible signals, if a problem occurs.

Picking units are monitored at the drum slip clutches. When drum rotation is stopped or slowed, the clutch slips, activating a sensor and setting off a light and horn on the monitor panel. A separate light for each unit quickly identifies the problem area.

An air flow sensor in each duct monitors pressure. If air flow is restricted, an audible warning notifies the operator while an indicator light shows where the potential problem is. Before it becomes a major problem. The operator can slow down, allowing the partial blockage to clear, then start back to work. This system helps you select the most efficient picking speed for any field condition. A fan pressure monitor also tells the operator when the Jet-Air-Trol air flow falls below acceptable operating limits. Both air flow and fan pressure monitoring can be sensitivity-adjusted to suit your needs and crop conditions. The monitor comes to you already set for most conditions.

The all-new standard-equipment monitor (left) constantly checks drum drive, air flow and fan pressure. Instantly alerts you to a problem. And indicates where they are.

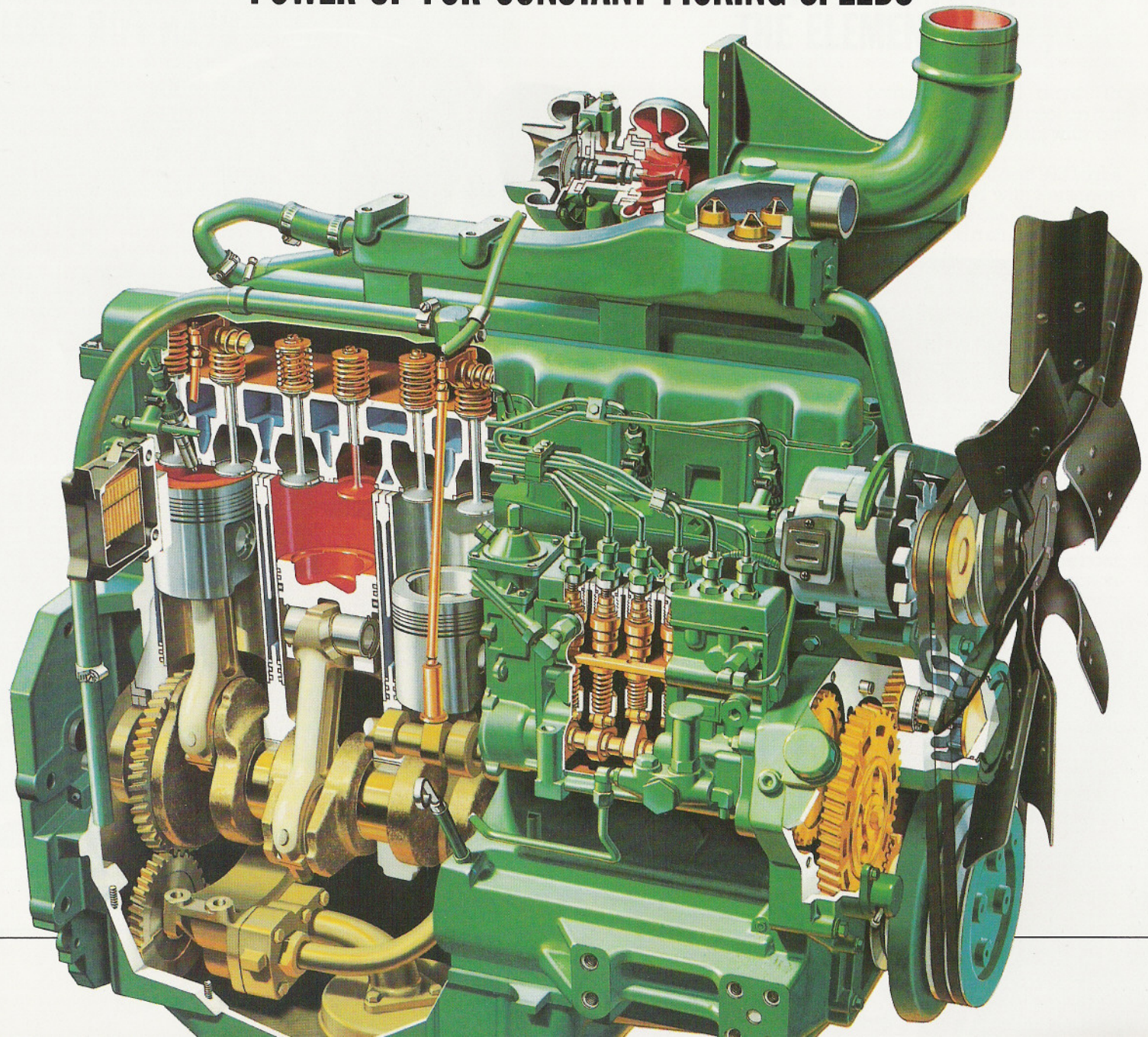
POWER UP FOR CONSTANT PICKING SPEEDS

The 9950 comes equipped with a 207-horsepower, 466 CID, 6-cylinder turbocharged and intercooled John Deere diesel. This is the same fuel-efficient engine used on our 4850 Tractors. Gear-driven water pump and all. The cutaway at right shows many of this engine's fuel-efficiency and reliability features, including a shaft-driven oil pump and gear-driven water pump.

The 9930 has the power you need to roll through high-yielding cotton. A 359-CID, 6-cylinder engine delivers 135 turbocharged "horses" with enough torque to overcome tough conditions.

Hydrostatic drive is standard equipment on both pickers. Operators get single-lever, clutch-free control of ground speed to match yield and field conditions on the go.

Perhaps the biggest productivity features on the 9930 and 9950 are the picking and scrapping speeds... nearly 10 percent faster than before. First gear range is from zero to 3.5 mph. Scrapping is second, from zero to 4.1 mph. And transport is third gear, from zero to 15 mph.



COTTON PICKER SERVICING

ONLY NO MAINTENANCE AT ALL IS EASIER



Remote grease fittings on the 9950 and 9930 give you convenient, ground-level maintenance of basket rockshaft and basket cylinders.



The large door area on the 12-bar units allows easy access for cleaning out trash and dirt the Jet-Air-Trol system leaves behind.

The unique on-board lubrication system is standard on all 9930's and 9950's. Lubricate anytime, anywhere right from the cab.



Side screens and louvers are easy to remove for access to the engine and radiator compartment.

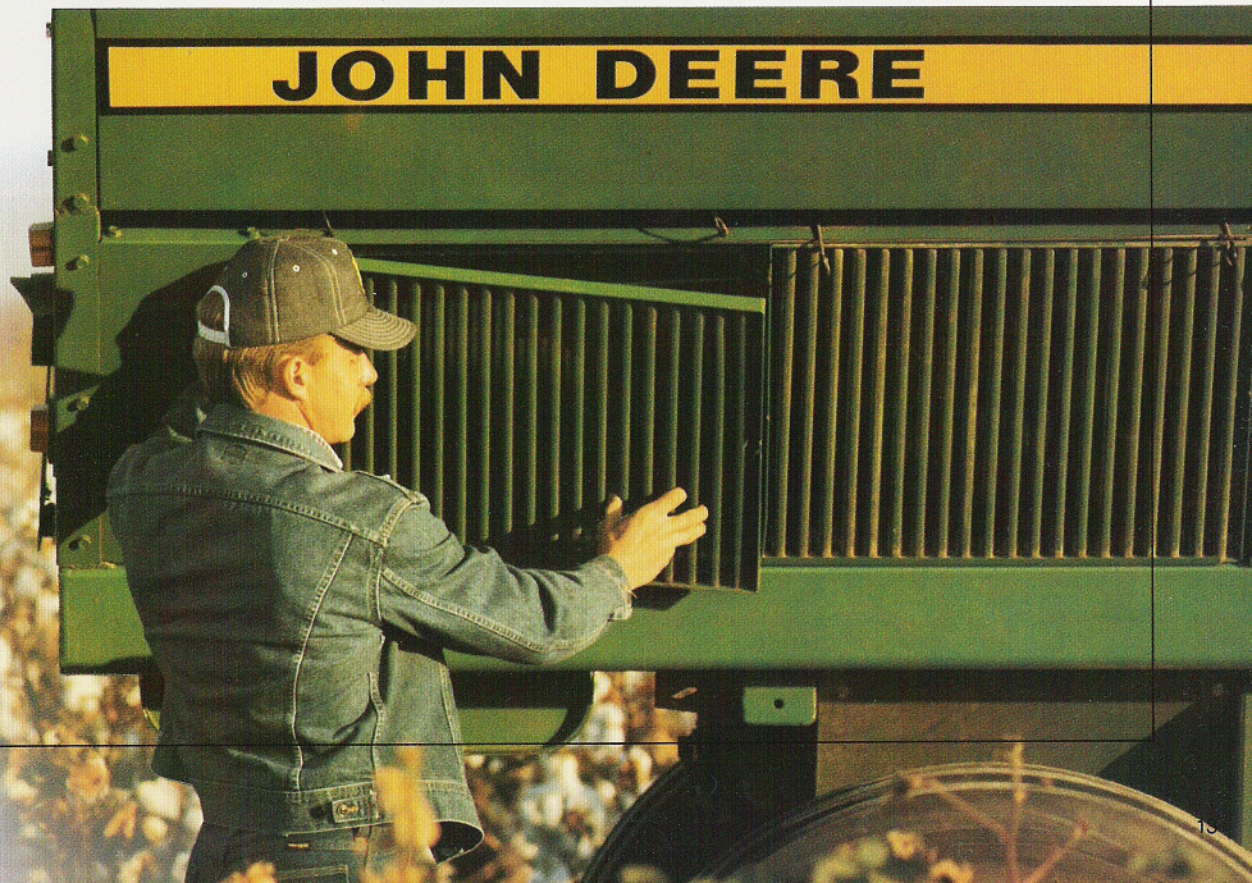
John Deere cotton pickers have always been known for simple maintenance. Now we've made maintenance on the 9950 and 9930 even easier.

Both pickers sport the first-ever on-board unit lubrication system. One operator

can completely lubricate all drums, including spindles, bars, drive gears, sun gear bearings, thrust washers, cam tracks and gears. All completed from the cab in about two minutes. A 60-gallon capacity lubricant reser-

voir holds a week's supply for the 9950, 2-weeks worth for the 9930.

Remote grease points for the basket rockshafts and basket cylinders give you ground-level convenience.





DESIGNS TO PROTECT YOU AND YOUR OPERATORS



The 9950 and 9930 have a number of safety-first features. Two taillights alert motorists when you transport at night. Flashing warning lights, front and rear, give an extra measure of safety for road travel. These lights double as turn signals.

Both pickers come equipped with a safety start system. The engine cannot be started with the hydrostatic drive engaged or with the row

unit lift levers in the down position. Unit levers must be in the neutral position before the engine will start.

If the engine should stop when you're on the move, power steering has a manual backup system. You stay in control.

A light on the 9930's steering column indicates the position of the single guide wheel. You'll find it a real help to get your 9930 through

muddy conditions.

A safety stop for row unit lift cylinders may be used to lock units in the raised position when you're working on them.

Other safety-first features include SMV signs, basket cylinder locks, a basket lid handrail on the 9930 and an air duct safety rail that makes climbing to the basket easier.

OPTIONS

CUSTOMIZE YOUR PICKER FOR A MORE SUCCESSFUL HARVEST



Field-light packages are available for both the 9950 and 9930. Halogen lights illuminate the rows and unit fronts. Sealed-beam lamps illuminate drum basket fill and basket dump areas.



AM-FM stereo multiplex radio, AM-FM with cassette player, and air conditioning are available.



This 24-inch extension for the 9950 increases the basket capacity to 1152 cubic feet. A 12-inch extension increases capacity to 1004 cubic feet.



An electric starting aid for cold-weather starts lets the operator inject ether into the engine intake manifold by pressing a button on the instrument panel. (Standard on the 9950.)



Stalklifter rods allow small rocks and other obstructions to fall to the ground instead of entering the unit.



A ladder makes refilling the 9950's solution tank a much easier job. The ladder folds up and out of the way when you're finished.



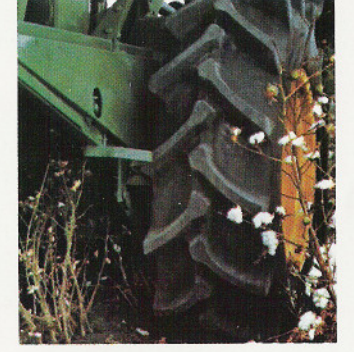
Hold back up to 45 percent of the 9930's basket capacity with this vane unloading system. It helps put more cotton in trailers or module-builders, less on the ground.



Completely dump the basket in less than a minute with the 9950's metered unloading system. Or, you can easily top off a module builder or trailer.



These guide wheels were designed specifically for the 9930. They provide extra stability to handle uneven terrain and to carry extra weight in the basket.



For muddy conditions, order 18.4-30 cane and rice tires for the 9930. R-3 low-profile tires are also available. For the 9950, 18.4-38, 12-ply R-2 cane and rice tires are available.

SPECIFICATIONS

(Specifications and design subject to change without notice.)



1837-1987
150

9950 PICKER

Number of rows 4

Row spacing 38- or 40-
inch (96 or 102 cm)

Unit design 2, 12-bar
drums, 20 spindles high

Standard dumping height
(lip) 10 ft. 8 in. (3.25 m)

Optional dumping height
for metering 11 ft. 8 in.
(2.56 m) (bottom of conveyor)

Fuel tank capacity . 94 U.S.
gal. (350 L)

Water tank capacity . . 230
U.S. gal. (870 L)

Row-unit lift (approx.) . . 20
in. (508 mm)

Wheel tread
Center to center . . . 80.5 in.
(2.05 m)

Outside to outside . 98.40 in.
(2.5 m)

Engine type:
Diesel, turbocharged and
intercooled

Horsepower 207
(145.5 kW)

Cylinders 6

Displacement . . 466 cu. in.
(7.640 L)

Transmission 3-range
hydrostatic drive with park
position

Picking speeds . . . 1st gear,
0-3.5 mph (0-5.6 km/h); 2nd
gear, 0-4.1 mph (0-6.6 km/h);
transport speed, 0-15 mph
(0-24.1 km/h)

Tires:
Guide(2) 9.24, 8 PR, I-1

Drive(2) 18.4-38, 12 PR,
R-1

Basket capacity:
Standard (standard unload
only) . . . 856 cu. ft. (24.2 m³)

With 12-in. extension (stan-
dard or metered) . . 1004 cu.
ft. (28.4 m³)

With 24-in. extension (stan-
dard or metered) . . 1152 cu.
ft. (32.6 m³)

Basket compactors . . gear-
reduction drive, single
hydraulic motor

Height (without
extension) . . 13.75 ft. (4.17 m)

On-board unit lube system:
Control activated from
cab

Drive belt-driven,

electric clutch engagement

Reservoir capacity 60
gal. (208 L)

Optional basket metering
system:
Control fully activated
from cab

Monitoring system . . full
monitoring of cotton fan
manifold pressure, unit
drum drives, air flow
through suction doors and
ducts.

Cab Sound-Gard®
styled, pressurized with Per-
sonal-Posture™ seat and
heater standard. Air condi-
tioning optional.

Hydraulic system . . closed
center

9930 PICKER

Number of rows 2

Row spacing 32 (skip
row), 36, 38 or 40 inch (81 to
91, 96 or 102 cm)

Unit design 12-bar
drums, 20 spindles high
(high drum); 14 spindles
high (low drum)

Basket capacity 608 cu.
ft. (17.21 m³). Optional 14-in.
extension provides 727 cu.
ft. (20.58 m³)

Basket compactors . . . stan-
dard with two hydraulic
motors

Standard dumping height
(lip) 9 ft. 10 in. (2.75 m)

On-board unit lube system:
Control activated from
cab

Drive belt-driven,
electric clutch engagement

Reservoir capacity 60
gal. (208 L)

Optional vane unloading
system:
Control fully activated
from cab

Monitoring system full
monitoring of cotton fan
manifold pressure, unit
drum drives, air flow
through suction doors and
ducts.

Fuel tank capacity . . 69 U.S.
gal. (261 L)

Water tank capacity . . 170
U.S. gal. (643.5 L)

Row-unit lift (approx.) . . 20
in. (508 mm)

Wheel tread
Center to center . . . 79.62 in.
(2.20 m)

Outside to outside . . 96.5 in.
(2.45 m)

Engine type:
Turbocharged diesel . . 135
horsepower (100.7 kW)

Cylinders 6

Displacement . . 359 cu. in.
(5.883 L)

Transmission . . hydrostatic

Picking speeds . . . 1st gear,
0-3.5 mph (0-5.6 km/h); 2nd
gear, 0-4.1 mph (0-6.6 km/h);
transport speed, 0-13.4 mph
(0-21.5 km/h)

Tires:
Guide(1) 11.00-16, 8 PR
tractor

Drive . . 16.9-34 8 PR tractor

Cab Sound-Gard®
styled, pressurized with Per-
sonal-Posture™ seat and
heater standard. Air condi-
tioning optional.