

CASE IH

COTTON EXPRESS® COTTON PICKERS



LONG LEGACY OF LEADERSHIP IN COTTON PICKING HISTORY

THE CASE IH COMMITMENT

Marking a major milestone. Ever since the rearward-mounted version of the H-10-H introduced in 1943 on a Farmall H tractor, International Harvester forever changed the way cotton was harvested — for the better! As a result, Case IH is proud to accept the honor of that cotton picker being named one of the top five agricultural engineering achievements of the twentieth century.

The original concept was simple — picking from both sides of the plant helped the grower get more cotton out of every field. Today, that concept is still the essence of the **Case IH Cotton Express®** cotton picker, giving growers up to 3% more efficiency compared to single-side picking designs.

Based on a rich heritage of leadership in the industry, Case IH cotton pickers continue to set the

standards for higher quality and advanced technology. In fact, Case IH has a commitment to designing cotton pickers that meet and exceed customer expectations.

Whether your operation calls for a 4-, 5- or 6-row machine, the **Case IH 2555 and CPX610 cotton pickers** deliver the heavy-duty harvesting you need in your high-yielding fields.

1943 Model H-10-H:
A rearward operated machine
mounted on a Farmall H tractor.

1956 Model 220:
The first IH self-propelled
cotton picker on the market.

1968 Model 622:
The picker prized for
higher-quality picking.

1985 Model 1844:
The first 4-row picker
from Case IH and the
first ever with power-
metered unloading.

1997 Model 2555:
The 4- and 5-row wide
picker is well-known for its
simplified serviceability and
proven reliability.



MEET THE LATEST IN COTTON HARVESTING TECHNOLOGY

2555 & CPX610

When Mother Nature gives you the green light to pick, you have to stay on-the-row until the last module is made. **Case IH Cotton Express cotton pickers** make your profitability a top priority, offering higher productivity and reliable performance.

The latest addition to the legacy is the **new CPX610**, a 6-row machine with the world's largest basket capacity of 10,500 lbs. (4762 kg) and the industry's most powerful engine at 340 hp (253.3 kW).

2001 Model CPX610:
This 6-row wide picker
boasts the industry's largest
basket capacity with the
lowest ground pressure.



For 4- or 5-row picking, **the proven 2555** works efficiently to maximize your on-the-row time while picking cleaner cotton.

With either machine, your bottom line will get a boost from both-side picking efficiency, greater in-field productivity and truly dependable performance.

The primary advantage of a Case IH Cotton Express cotton picker is that **it picks from both sides** of the row to put more cotton in the basket. **Fully synchronized picking** minimizes the amount of trash ingestion and stalk damage, while maximizing lint content and quality.

Best of all, you'll have the **industry's largest basket capacity** of 10,500 lbs. (4762 kg) on the CPX610, 8500 lbs. (3398 kg) on the 2255.

While picking on the row, **the patented auger compactor system** allows you to use the full basket volume. When it's time to unload, **the proven vertical-lift basket** with the power-metered unloading system saves time and reduces spillage.

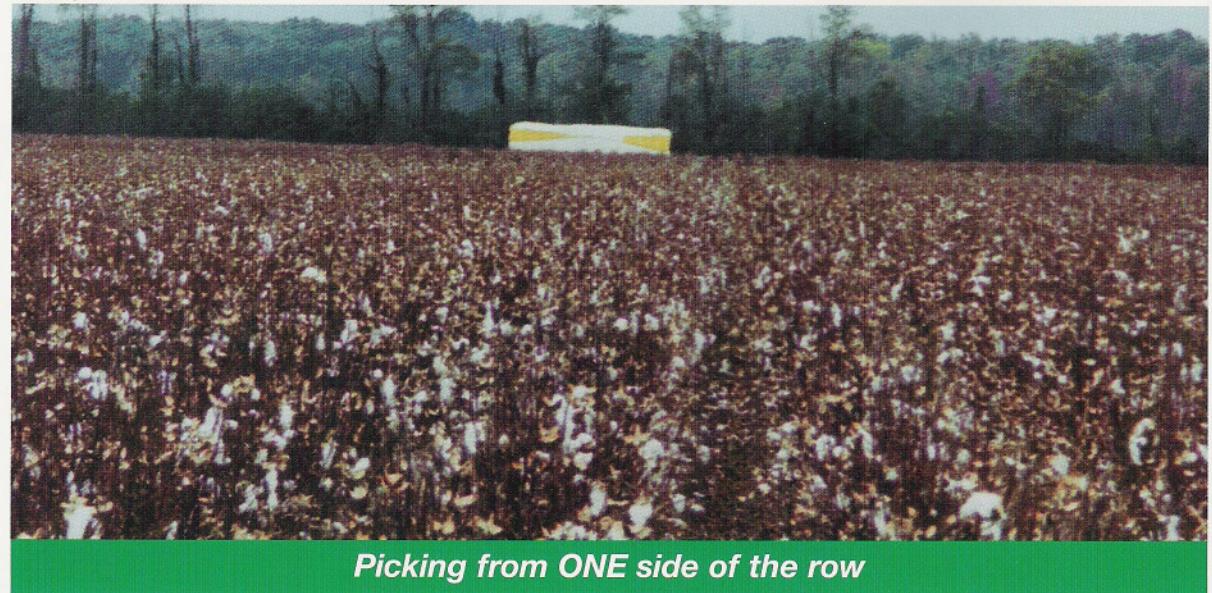
The Case IH Cotton Express cotton pickers have a strong heritage of leadership in meeting and exceeding customer expectations in performance and productivity. That same tradition is represented in the CPX610 and 2555 cotton pickers from Case IH.

BOTH-SIDE PICKING BOOSTS BASKET FILLING

Pick what you grow with the industry's only harvesters that pick from both sides of the row — **the CPX610 or 2555 Cotton Express cotton pickers** from Case IH.

With a rotor on both sides of the plant, the **patented drum-and-spindle design** allows more thorough plant penetration and complete coverage of the plant during picking, increasing efficiency and profitability.

Field tests prove the **added efficiency of up to 3%** with a Case IH cotton picker. That can quickly add up to almost \$21,600* of extra income per 1,500 acres (607 hectares). Even a relatively minor 1% gain could result in up to \$7,200* more income (*see page 9).



PUT MORE HIGH-QUALITY COTTON IN YOUR BASKET

HOW TO HARVEST HIGHER -QUALITY COTTON

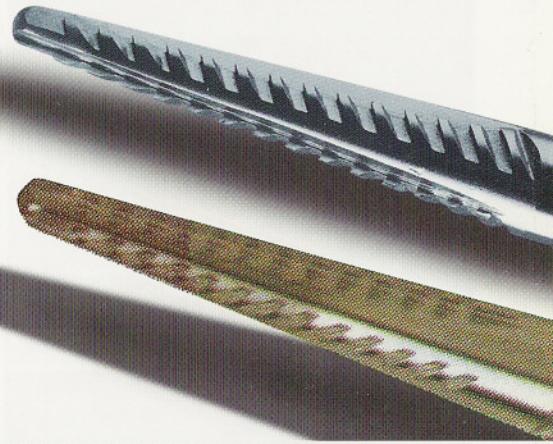
Improve the quality of the cotton you harvest with the highly efficient picking process of Case IH Cotton Express cotton pickers. Each drum has front and rear 12-bar rotors that are 18 spindles high to handle your tall, high-yielding cotton.

Best of all, these machines feature a **spindle design with superior barb pattern** of three rows of 14 barbs. The first three barbs in each row are cut at a 30-degree angle to help the cotton easily move off the spindle at the start of the doffing process.

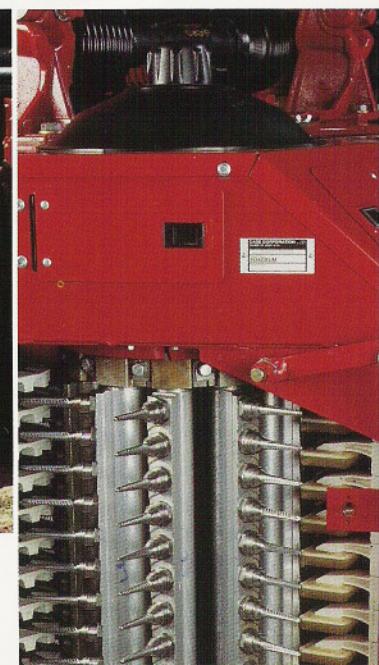
For longer life, **Extenda-Wear™ Plus** spindles have 90-micron chrome thickness — three times that of earlier 30-micron spindles. Plus, each of the spindle nuts and shields are zinc-dichromate coated for superior corrosion protection.

For more-efficient picking, the last 11 barbs are cut on a 45-degree angle. The unique barb configuration of each spindle results in more efficient picking and doffing.

Case IH
Spindle



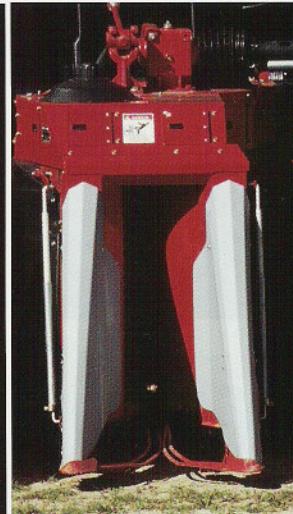
John Deere
Spindle



(Left) Standard on CPX610 and 2555 cotton pickers, automatic height sensing helps you pick more of the low-hanging bolls and prevents plowing dirt with drums because each row unit adjusts to changing terrain. The row unit can lift up to pass over an obstruction also. Only the toolbar affected is raised; other units remain in automatic height-sensing mode and keep picking those low bolls. On the CPX610, rows 1/3/4/6 are equipped; rows 1/4 are standard on the 2555 with rows 2/3 optional.

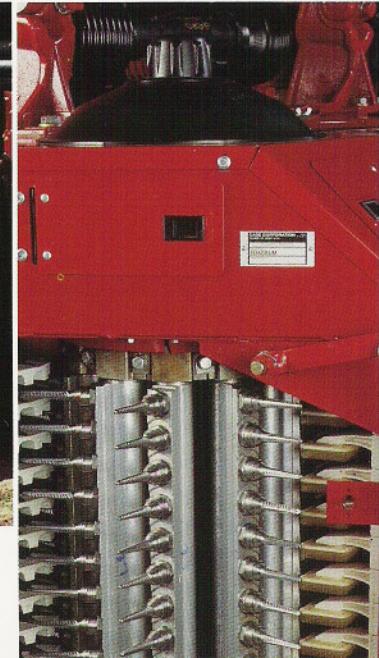
(Right) Made of lightweight composite material, the plant lifters help separate and direct plant flow into the picking unit. The lighter color gives the operator better visibility for plant alignment, while the low-friction material helps plants feed easier.

Plant lifter rods (standard) gently lift and feed the low bolls directly into the second and third spindles, reducing shatter loss.



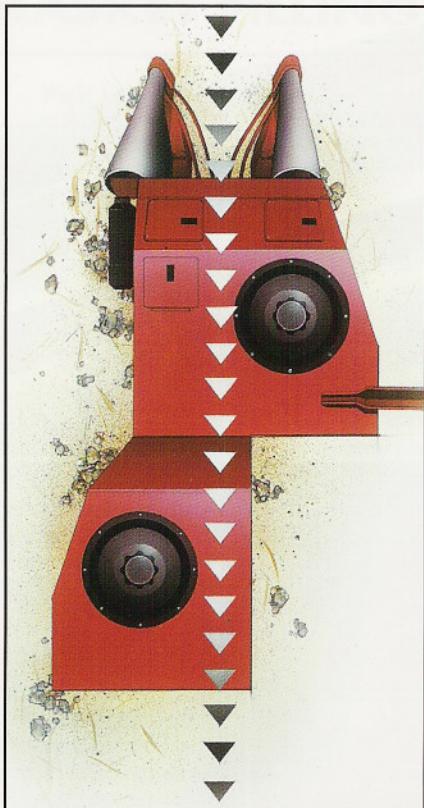
The all-welded drum cabinet and all-gear drive drum means more reliability with less maintenance. The Protec-o-matic® clutch override prevents bar/drum damage from large foreign objects.

For more-effective picking, plant compression doors with deep, contoured pockets ensure maximum spindle penetration — three spindles in the picking zone at all times. Compression doors allow adjustable pressure for gentle picking that reduces plant damage and leaves green bolls on the plant.



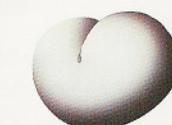
Large Dura-Clean™ doffers handle more crop faster than ever without fighting the spindle, minimizing fiber twist. Compared to rubber compound designs, these more-durable doffers last up to a 16% longer.

CLEANER COTTON WITHOUT BOTTLENECKS



The highly efficient induced air system on a Case IH Cotton Express cotton picker quickly moves cotton out of the drum and into the industry's largest capacity baskets.

Front and rear outlets help keep cotton flowing smoothly through the machine. The straight-through design of the front outlets improves crop flow and allows trash to exit easily.



Dura-Clean



Polyurethane

During the picking process, spindles tear tiny particles from the doffers. Unlike others, Dura-Clean™ neoprene doffers throw off a smooth, bead-shaped particle that won't catch in the lint and goes into the trash during ginning. Traditional rubber doffers shed rough, jagged-edge particles that catch in cotton fibers, contaminating the lint even after the ginning process.

Polyurethane doffers provide the equivalent non-contaminating features of Dura-Clean, and continue to be available through Service Parts for North America.

Recessed conveyor sensor eyes detect the flow of the cotton through each delivery chute to the basket. If no cotton flow is detected, a signal is sent to the monitor alerting you to a blockage. An easy-access door simplifies inspection and makes servicing a breeze.



The patented drum design uses two rotors to pick from both sides of the plant — even in narrow-row cotton — for more-efficient picking. Note how the plant gets complete spindle coverage during picking... putting more cotton in the basket.

TAKE IT TO THE TOP WITH MORE CAPACITY

LARGE BASKET IS BIG ON PRODUCTIVITY

No other machine on the market can come close to the outstanding basket capacity of the CPX610 Cotton Express cotton picker. At 1,400 cubic feet (39.64 m³), 10,500 pounds (4762 kg) or 7 bales, the basket on the CPX610 significantly saves time, keeping you on-row instead of unloading.

Studies show the CPX610 can pick from 4 to 32 acres (1.6 to 13 hectares) more per day, cutting out almost two full days of harvesting time and costs, including fluids, labor and rental.

One key to maximizing the basket's capacity is the standard auger compactor system with automatic or manual operation. Three augers help move

cotton to the rear for a fuller payload between unloading stops.

You can even retrofit your 2155 or 2055 Cotton Express picker with an auger compactor for greater basket capacity. An exclusive "basket full" indicator light alerts the operator when it's time to unload.



With the industry's largest basket capacity, the CPX610 Cotton Express cotton picker has a payload of 1,400 cubic feet (39.64 m³), 10,500 pounds (4762 kg) or 7 bales — without basket extensions. The 2555 offers a basket capacity of 1150 cu. ft. (32.5 m³) or 8,500 pounds (3398 kg).



Make the most of all that basket capacity with this patented auger compactor system (standard on both models). When hydraulic pressure builds to 1000 PSI (69 bar), the compactor automatically strokes until the hydraulic pressure is lowered to 800 PSI (55 bar). Cotton moves to the rear of the basket so you can fill it fuller and stay on the row longer.

	Case IH	John Deere
Speed – mph (kph)	4.0 (6.3)	4.0 (6.3)
Acres (hectares)	1,500 (607)	1,500 (607)
Yield – bales	2.0	2.0
Basket Capacity – lbs. (kg)	10,500 (4762)	8,100 (3674)
Row Length – miles (meters)	0.25 (402.25)	0.25 (402.25)
Acres (hect.)/Hour	7.31 (2.95)	6.92 (2.8)
Lbs. (kg) Picked Per Hour	208,314 (94,489)	193,155 (87,613)
Days to Harvest	20.52	21.67

Reduced Cost

Labor Savings

4 Employees
X 11 Hours
X \$6.00/Hour
X 1.15 Days
= \$302.00

Machine Depreciation

10 Hours
X 1 Pickers
X \$125.00/Hour
X 1.15 Days
= \$1,431.00

Total Annual Capacity Savings = \$1,733.00

Results will vary depending on conditions.

UNLOAD YOUR PROFITABLE PAYLOAD WITH EASE

Get higher productivity with the **controlled module filling** of a CPX610 and 2555 Cotton Express cotton picker. The vertical lift design, power-metered control and the industry's largest-capacity basket, Case IH Cotton Express pickers put the advantage of higher productivity and profitability on your side.

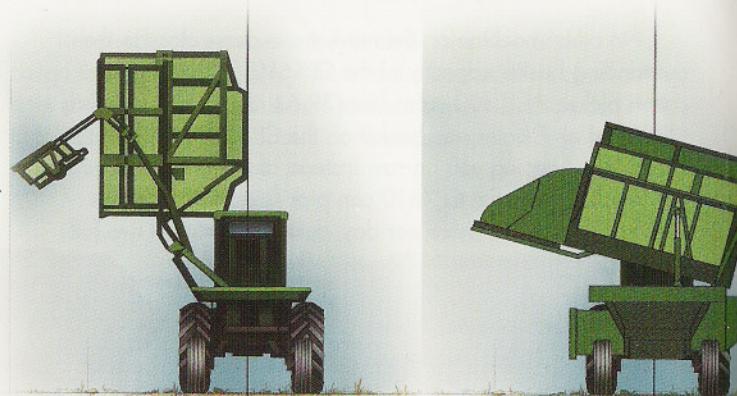
Unlike gravity-dump systems, **power-metered unloading** lets you start and stop the conveyor at any time. You can fast-fill a module quickly and neatly. Or, if you're topping out, you can meter lint with less spillage.

The vertical-lift basket maintains the machine's center of gravity for added stability and less stress on the frame and tires. **The telescoping**

basket lid can be raised or lowered in less than 15 minutes when moving from field to field with ease, allowing the operator to quickly return to picking cotton.



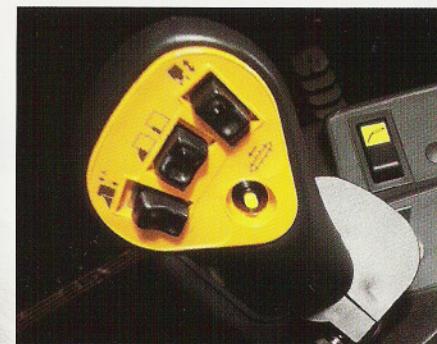
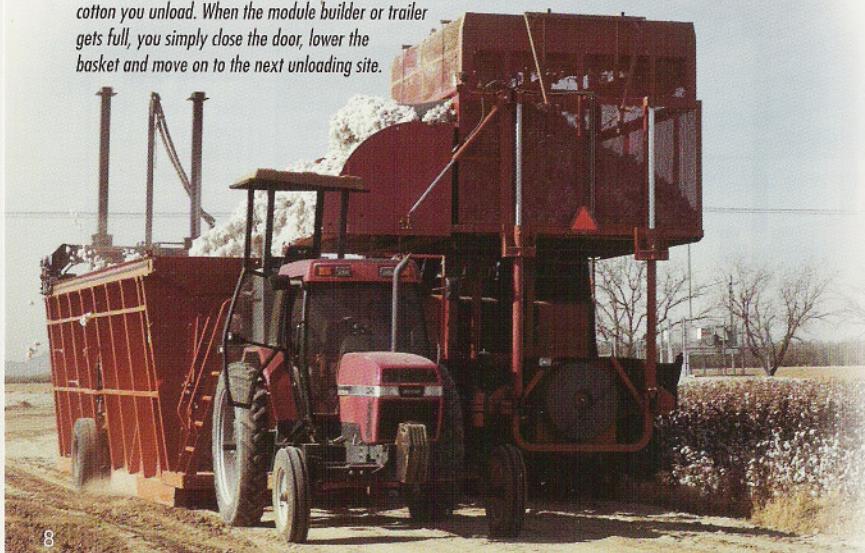
For basket lift and unloading, use the convenient controls on the **multifunction propulsion lever** in the cab. Or, use an optional remote-control tethered unloading switch (inset) so you can watch unloading from the operator platform.



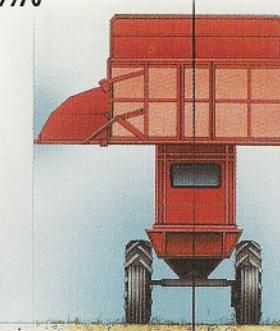
9970

9976

Since the basket lifts straight up, it's much easier for the operator to position a Cotton Express picker alongside the module builder or trailer. The unique power-metered unloading system still sets the industry standard, allowing you to control the amount of cotton you unload. When the module builder or trailer gets full, you simply close the door, lower the basket and move on to the next unloading site.



The basket lift and unloading functions are conveniently controlled from the multifunction propulsion lever.



2555 & CPX610

Note the basket position in respect to the machine's center of gravity. With the basket raised straight up, a Cotton Express picker's center of gravity remains within the picker frame. This ensures more stability and reduces stress on frame members.

The unique power-metered unloading system still sets the industry standard, allowing you to control the amount of cotton you unload. When the module builder or trailer becomes full, you simply close the door, lower the basket, and move forward to the next receptacle.

PUT MORE COTTON IN YOUR BASKET... AND PROFIT IN YOUR POCKET

NEWS THE COMPETITION WON'T WANT TO HEAR

In cotton country, the bottom line speaks loud and clear. Each and every boll adds up when you get to the gin! **With Case IH Cotton Express cotton pickers**, your bottom line could get a healthy boost as a result of the patented drum-and-spindle design that picks from both sides of the plant.

You'll recover more cotton from each field with this picking process with synchronized picking up to 4 mph

* Based on 2 bales per acre, 1,500 acres (607 hectares), \$.50 cotton; results will vary depending on conditions.

(6.3 kph). Plus, you'll put more payload into every basket with the industry's largest capacity on the CPX610. When it's time to unload, you'll appreciate the fast, easy power-metered unloading system and vertical-lift basket.

In fact, field tests versus John Deere prove the productivity and profitability advantages of a Case IH Cotton Express picker. For example, **with a 3% efficiency gain**, you could potentially pocket up to

\$21,600*. Even a relatively small 1% gain results in a \$7,200 boost to your bottom line.

If these numbers could put your operation ahead this season, ask your local Case IH dealer about putting a Cotton Express cotton picker in your fields to gain higher productivity and greater profits.

Picking Efficiency	Picking Savings	Capacity Savings	Total Savings
1%	\$7,200	\$1,733	\$8,933
2%	\$14,400	\$1,733	\$16,133
3%	\$21,600	\$1,733	\$23,333



PICK FASTER AND LAST LONGER

With fully synchronized picking speeds and rugged, reliable final drives, you can always depend on a Case IH Cotton Express picker to get your crop out of the field faster.

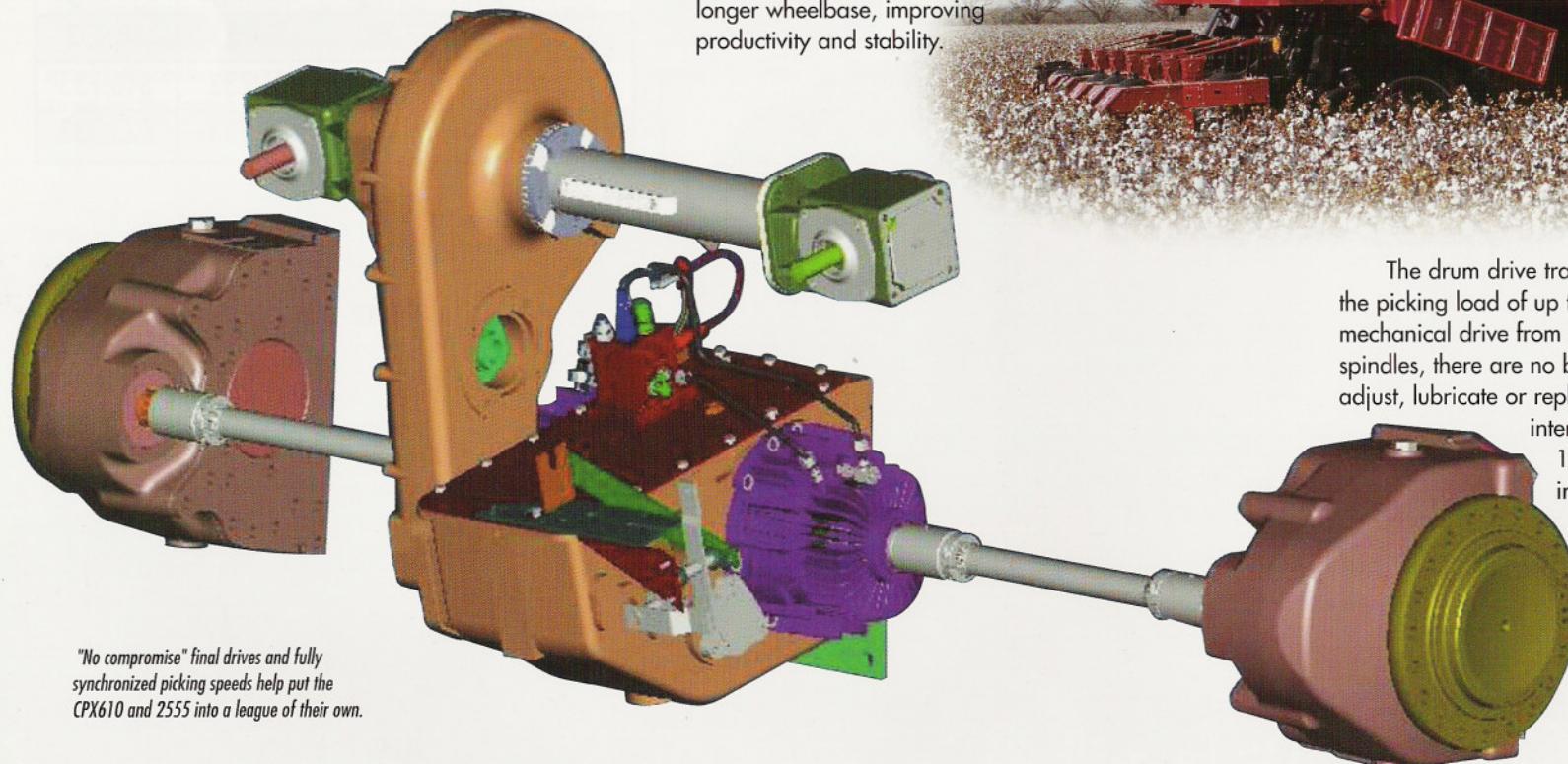
First gear picking speeds of up to 4 mph (6.3 kph) means more cotton can be picked per day. Synchronized speeds minimize the amount of trash (bark) ingestion and stalk damage, maximizing lint content and quality.

In second gear, reach scrapping speeds of up to 4.8 mph (7.7 kph) and go field to field with

transport speeds of up to 15 mph (24.1 kph) in third gear. The hydrostatic drive shift lever is on the console within easy reach of your right hand.

A heavy-duty final drive

is standard to handle the demands of dual wheels and heavy loads with both the CPX610 and 2555. What's more, the CPX610 has a shorter turning radius and longer wheelbase, improving productivity and stability.



"No compromise" final drives and fully synchronized picking speeds help put the CPX610 and 2555 into a league of their own.

The drum drive transmission is built to handle the picking load of up to six row units. With a mechanical drive from the transmission to the spindles, there are no belts to slip or chains to adjust, lubricate or replace. Drive shaft lubrication intervals are extended to 125 hours to keep you in the field longer.

HEAVY-DUTY TRANSMISSION AND LIGHTWEIGHT FOOTPRINT

THE LARGEST CAPACITY WITH THE LEAST COMPACTION

Having a large payload has a positive effect on productivity but can cause compaction concerns unless high-flotation tires and a larger footprint help lighten the load. Case IH understands this important issue and equips Cotton Express pickers for low ground pressure no matter how large the payload.

With the industry's largest basket capacity of 10,500 pounds (4763 kg), the CPX610 comes with dual drive tires as standard equipment (optional on 2555) to keep compaction under control.

Specially designed for higher flotation, these dual drive tires provide just 28 PSI (1.9 bar) ground

pressure compared to 35 PSI (2.9 bar) for competitive cotton pickers. **With a 20% PSI advantage and a 3.8% bigger footprint** than the competition, the CPX610 certainly treads lightly in your fields.

Rear guide tires on the CPX610 are radials that deliver just 31 PSI (2.1 bar) ground pressure — nearly 40% less than the competition! The extra large guide tires have 100% more footprint than the John Deere picker.

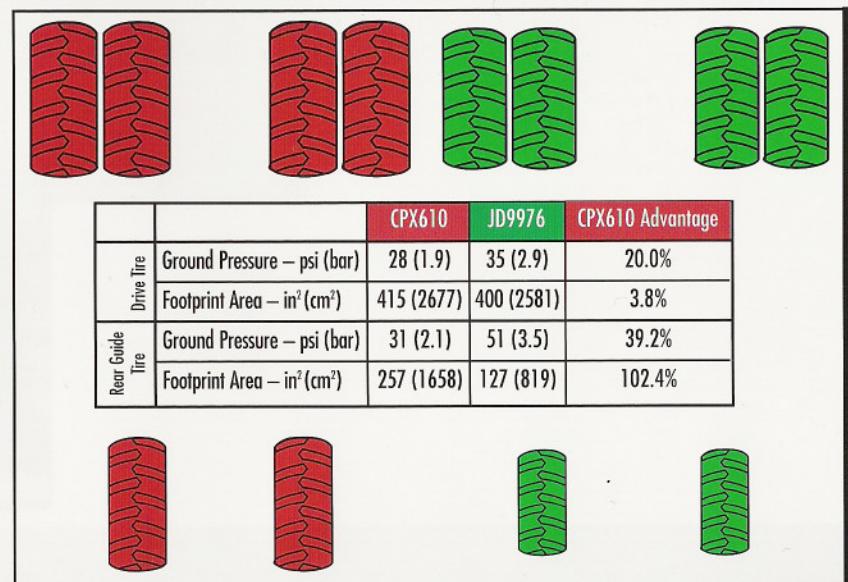
These large dual drive tires also provide better flotation in soft, wet and muddy conditions, as well as better balance and stability.



On the CPX610, standard dual drive tires and special radial steering tires offer the industry's lowest ground pressure and largest footprint area, significantly reducing compaction concerns.

	Case IH CPX610	John Deere 9976
Drive Tire		
Size	DW500/95D32	20.8-42
Max. Load - lbs. @ psi (kg @ bar)*	12,800 @ 25 (5806 @ 1.7)	9,100 @ 32 (4128 @ 32)
Ply/Load Index	8	14
Tread Type	R1.5	R1 or R2
Configuration	Dual	Dual
Pressure - psi (bar)*	25 (1.7)	32 (2.2)
Gross Flat Plate Area - in ² (cm ²)*	415 (2677)	400 (2581)
Rear Guide Tires		
Size	480/70R28	11.25-24
Max. Load - lbs. @ psi (kg @ bar)*	9,384 @ 29 (4256.5 @ 2)	5,200 @ 48 (2359 @ 3.3)
Ply/Load Index	140	12
Tread Type	R1W	II
Pressure - psi (bar)*	29 (2)	48 (3.3)
Gross Flat Plate Area - in ² (cm ²)*	257 (1658)	127 (819)

* Based on tire manufacturer's recommendations.



Footprint comparison of the competition to the Case IH CPX610 picker.

Note: Ground pressure is typically 2-3 psi higher than tire pressure.

OUTLAST HEAVY LOADS AND LONG HOURS

Pick up the pace of your picking productivity.

The CPX610 has the Case 6TAA-8304, an 8.3L, 24-valve powerplant that generates up to 340 hp (253.5 kW), making it the **industry's most powerful engine**.

With full authority electronic control and air-to-air cooling, this engine offers outstanding

CPX610 ENGINE

Horsepower	.....	340 hp (253.5 kW)
Rated speed	.....	2200 rpm
Type	.....	6-cylinder, center point electronic fuel injection system, 4 valves per cylinder
Aspiration	.....	Wastegate turbocharged/air-to-air aftercooled
Displacement	.....	505 cu. in. (8.3 L)
Bore and stroke	.....	4.49 x 5.31 in. (114 x 135 mm)
Compression ratio	.....	16.5 to 1



2555 ENGINE

Horsepower	.....	260 (193.8 kW)
Rated speed	.....	2200 rpm
Type	.....	6-cylinder, in-line, four-stroke cycle, valve-in-cylinder-head, mid-stop wet sleeve diesel
Aspiration	.....	Aftercooled, wastegate turbocharged
Displacement	.....	505 cu. in. (8.3L)
Bore and stroke	.....	4.49 x 5.31 in. (114 x 135 mm)
Compression ratio	.....	16.5 to 1



performance and excellent fuel economy. A model of efficiency, the CPX610's engine provides the power you need to haul heavy loads in soft fields.

A new rotary air screen at the rear of the CPX610 helps keep all systems cool and operating more efficiently by preventing plugged air inlet areas. Two brushes wipe the fine mesh steel screen to keep trash out and virtually eliminate engine overheating as a result. On both models, you can easily access the engine compartment and fan through handy doors.

The proven powerplant in the 2555 Cotton Express picker is a turbocharged 8.3L engine that delivers 260 hp (193.8 kW) for dependable performance season after season.

Best of all, you can run all day long without making a refueling stop thanks to the 200-gallon (756 L) tank on the CPX610 picker and 150 gallons (568 L) on the 2555 picker.



HIGH-PERFORMANCE POWER FOR NONSTOP PICKING

AROUND-THE-CLOCK COMFORT

When bolls start opening, you have to pick until the last field is finished. That's when you'll really appreciate the **excellent visibility and superior ride** offered by the Case IH Cotton Express pickers.

Day or night, the expansive tinted windshield, side and rear windows give you clear view all around the machine. At night, the curved glass panels virtually eliminate in-cab reflections.

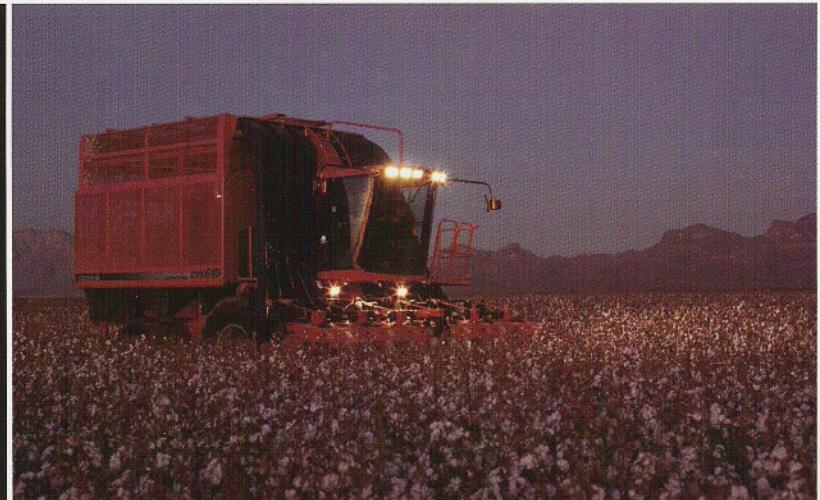
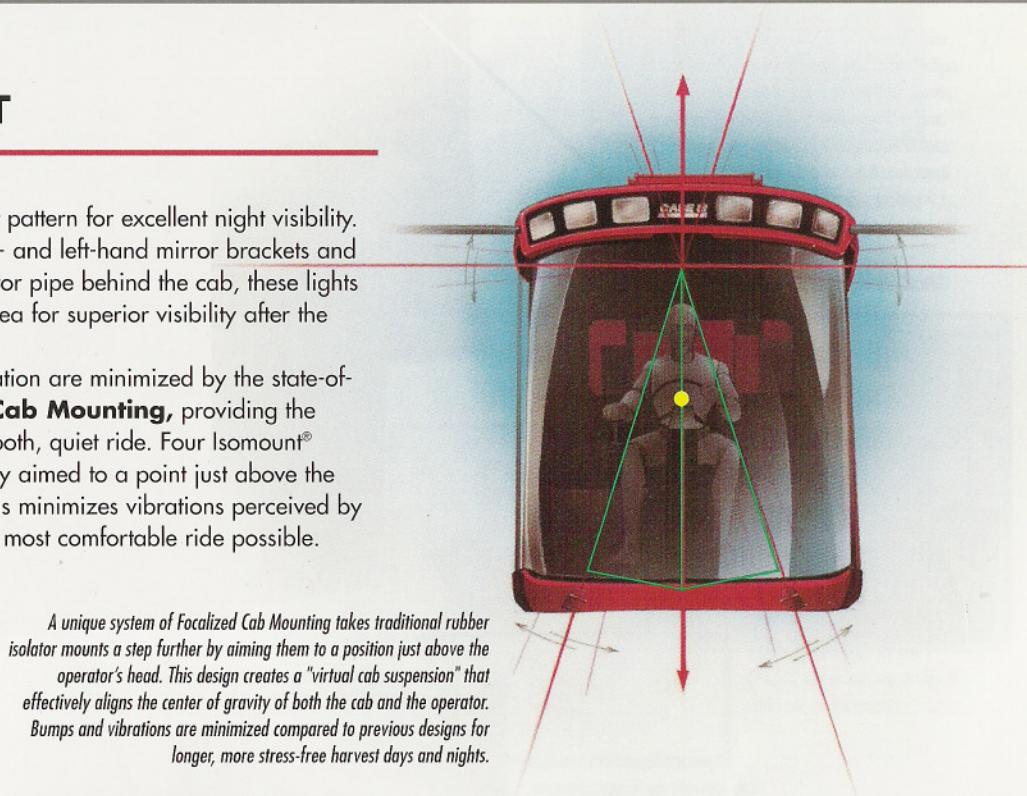
Designed especially for exceptional "after hours" operation, the **stadium-lighting package** of six specially placed halogen lights creates a

continuous floodlight pattern for excellent night visibility. Mounted to the right- and left-hand mirror brackets and to the middle conveyor pipe behind the cab, these lights brighten the work area for superior visibility after the sun goes down.

Noise and vibration are minimized by the state-of-the-art **Focalized Cab Mounting**, providing the operator with a smooth, quiet ride. Four Isomount® isolators are precisely aimed to a point just above the operator's head. This minimizes vibrations perceived by the operator for the most comfortable ride possible.

A unique system of Focalized Cab Mounting takes traditional rubber isolator mounts a step further by aiming them to a position just above the operator's head. This design creates a "virtual cab suspension" that effectively aligns the center of gravity of both the cab and the operator. Bumps and vibrations are minimized compared to previous designs for longer, more stress-free harvest days and nights.

"Stadium lighting" offers amazing visibility for night operation. Six specially placed halogen lights flood your work area with brightness — no dark spots — while lights mounted under the cab clearly illuminate the drum area for easy plant alignment.



EXPERIENCE AN EXCELLENT ENVIRONMENT

Put in longer hours with less fatigue from the roomy, comfortable cab of a Case IH Cotton Express cotton picker. It's an environment that adjusts and reacts to your every command.

Adjust the standard air suspension seat front to back, up and down, and the right-hand console moves with the seat.

The cab offers superior visibility, full-length glass doors on both sides of the cab, and overhead controls for temperature, lights and windshield wipers.

Additional features include the instructional seat to the left of the operator's seat and additional storage under the seat.

You'll feel right at home with an adjustable air ride seat, a floating right-hand console, a pivoting steering column and a tilt steering wheel. A padded instructional seat serves as a proper place for riders or to train new operators.



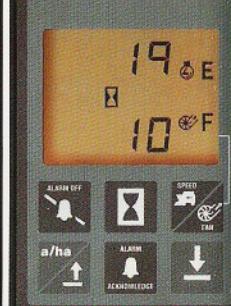
SYSTEMS MONITOR

The Systems Monitor in the upper area of the right-hand corner post includes warning lights and gauges for critical machine functions. Gauges for voltage, fuel and coolant temperature are supplemented by warning lights. In the lower area of the panel, audible alarms support warning lights for hydraulic oil level, hydraulic oil temperature, unload door open, air conditioning high/low pressure, parking brake engaged, basket full, air filter restriction (CPX610 only), water in fuel (CPX610 only) and an Operator Presence System bypass indicator for drum servicing.



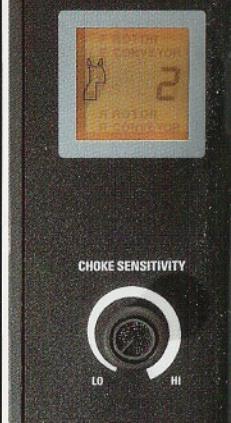
ENGINE/FAN HOURS

The multi-function display for engine, ground and fan speed offers two screens: engine and fan rpm or engine and fan hours (shown). Toggle between readouts with the speed/fan button on the touchpad. Or press the hourglass to briefly view engine and fan hours. Other touchpads include alarm acknowledge, alarm off, and acres harvested. An LCD readout below the touchpad area displays moistener system pressure.



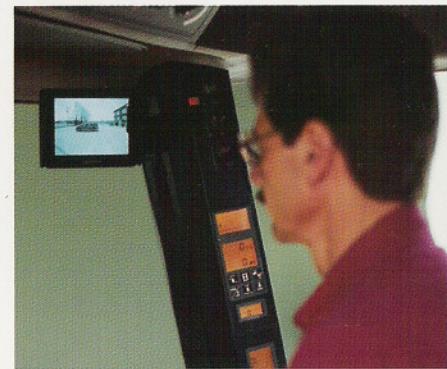
COTTON MONITOR

The Cotton Monitor is conveniently located at eye level on the right-hand corner post. It monitors cotton flow through the conveyors and rotor speed differentials. A sensitivity control dial allows you to fine-tune the monitor's response time according to crop yield and harvesting speed.



COMPLETE COMFORT AND TOTAL CONTROL

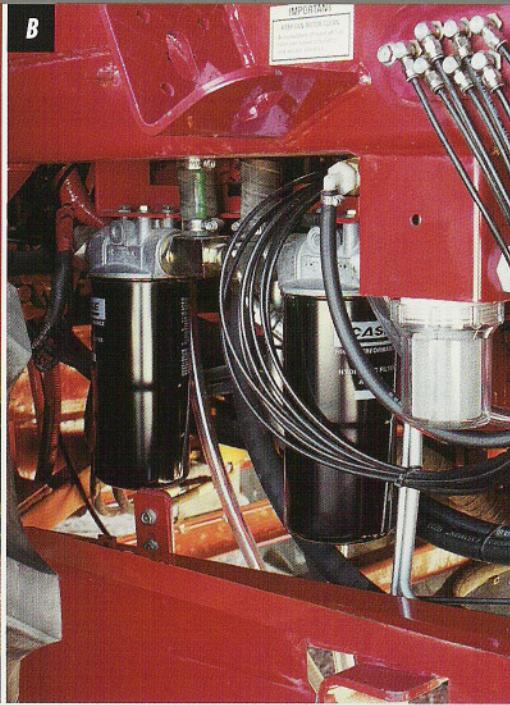
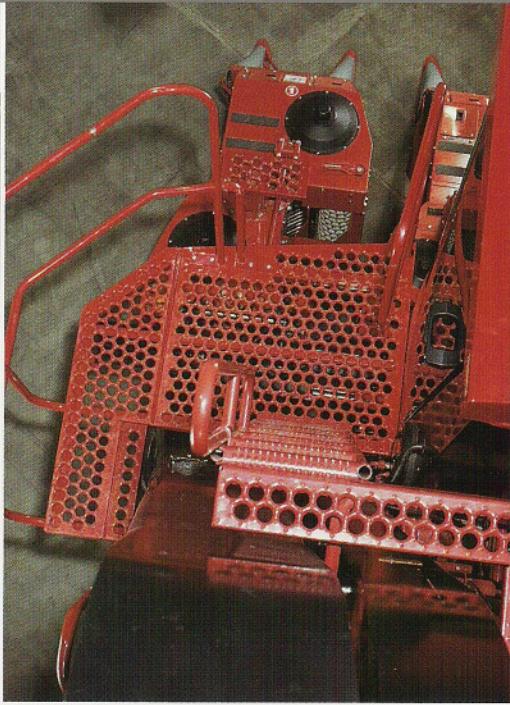
FUNCTIONS AT YOUR FINGERTIPS



Available from Parts Service, this in-cab viewing monitor screen helps reduce blind spots for easier maneuvering around obstacles with live rear (above) footage from a video camera.



Press this switch in the headliner to change camera views from the rear to the side to monitor unloading.



IT'S THE LITTLE THINGS THAT MAKE A BIG DIFFERENCE

(A) ACCESS TO WINDOWS, MIRRORS, DRUMS

The wide platform makes it easy to reach the cab window for cleaning or adjust the folding mirrors. The platform handrail is hinged to allow service access to the windshield (left) and drums (right).

(B) ACCESS TO GREASE POINTS AND FILTERS

Centralized lube banks for drum raise, tilt linkage and the conveyor fan system are located on each side of the machine within easy reach behind the side panel, as are filters and other daily maintenance points. Picture shown with optional Auto Lube system.

(C) RADIATOR ACCESS

For easy cleaning, you have full access to the radiator and oil cooler. Simply raise the basket, set the front and rear basket locks, and flip up the deck panel. The oil cooler slides up for simple servicing or cleaning.

(D) REPLACEABLE MOISTENER PADS

Behind the easily removable rotor doors, you can access individual square moistener pads that have 21 fins for maximum spindle cleaning coverage. Individually replaceable pads save you time and money — no need to remove the entire moistener stand because of a damaged pad or holder.

(E) DOFFER ADJUSTMENT

Doffers are easily adjustable using the doffer wrench and bolt. Once adjusted, the wrench doubles as the anchor point for holding the doffer stack in position.

(F) TETHER-CONTROL ROTOR INSPECTION

To inspect the rotors while greasing, use the convenient OPS service-bypass tethered remote control located in a clean compartment inside the drum cover.

(G) ROTOR COVERS

Rotor covers help protect spindles from coarse plants and heavy weeds. The covers open and can be quickly removed for rotor service access.

(H) RIGHT-HAND SIDE DOOR

The all-glass right-hand door offers excellent visibility and easy access to service areas.

(I) AUTO LUBE SYSTEM

An optional automatic lube system runs for 15 minutes every hour that the harvesting fan is engaged. For maximum reliability, it lubricates drum gears, cam tracks, rollers, drum lift arm assemblies and the fan bearing with HEP-251 grease. With a central reservoir of 3 gallons, the system has enough lubricant to run for approximately 200 hours. Save about one hour per day with this system (optional for both the CPX610 and 2555 pickers).

(J) ROTARY SCREEN

At the rear of the CPX610, a rotary air screen with twin brushes helps keep trash out of the cooling area for more-efficient cooling and air management. This may save you up to one half hour of cleaning time per day.

(K) 200 GALLON FUEL TANK

Filling the 200-gallon (757 L) fuel tank on the CPX610 is fast and easy from a ground-level location. Harvest up to 1/4 hours a day with out stopping to refuel. The 2555 has a 150-gallon (568 L) fuel tank capacity.

(L) 80 GALLON BAR LUBE CAPACITY

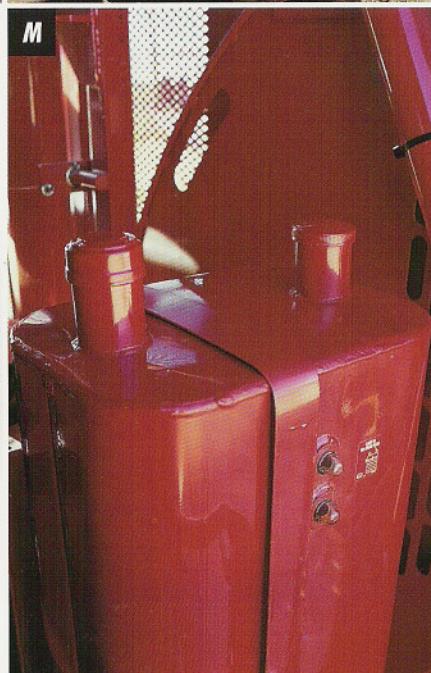
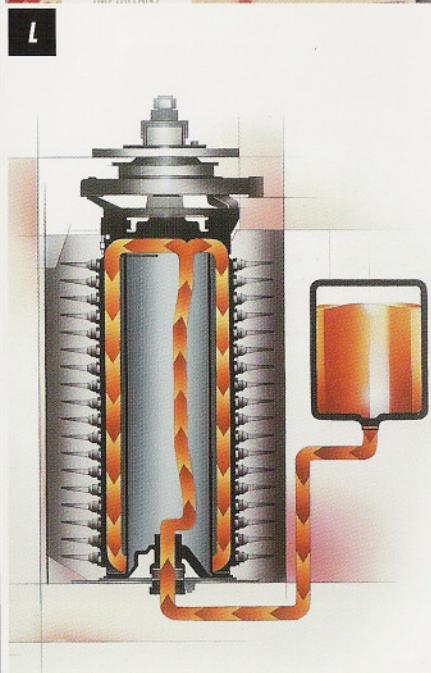
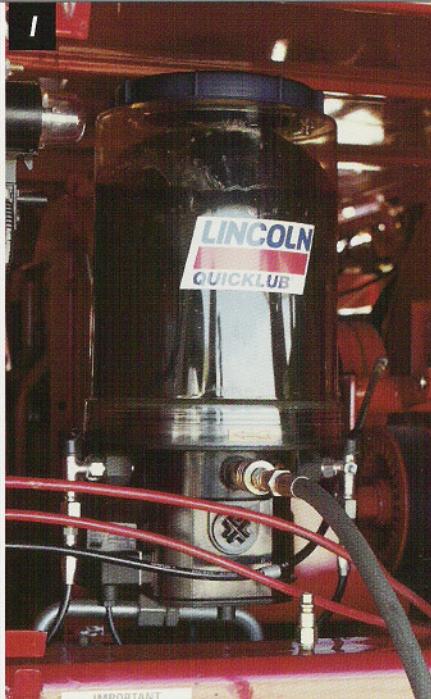
A large 80-gallon (302 L) on-board lube reservoir is standard on the CPX610. With programmable lubrication intervals, this system allows for almost one week of solid picking. An audible alarm tells you when to activate the system and a graphic display tracks the cycle's progress. Bar lube is pumped to each rotor and through a channel in the back of each bar, lubricating both spindle drive gears and bushings. No external lines mean more reliability for maximum uptime. The 2555 uses a standard 60-gallon (227 L) on-board bar lube system.

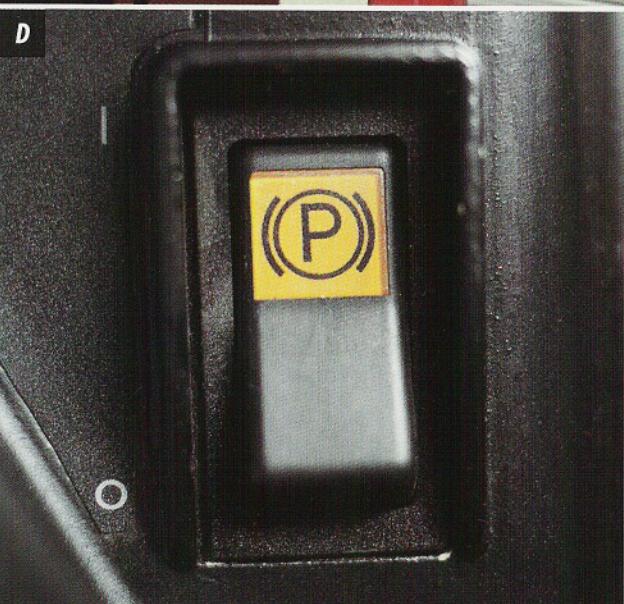
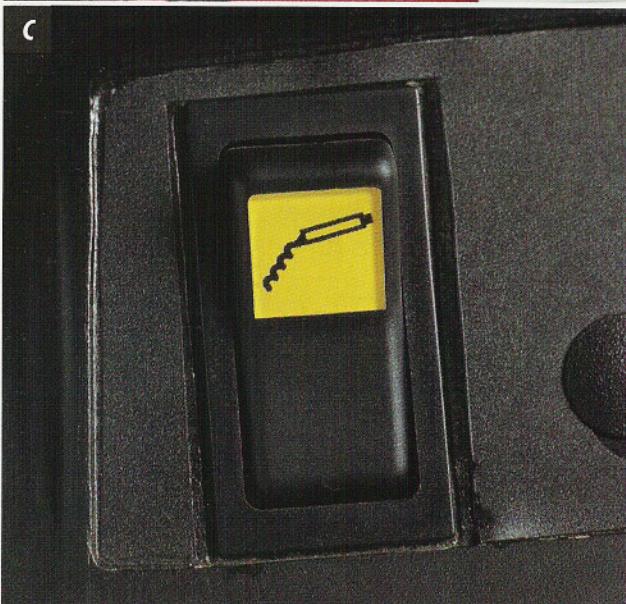
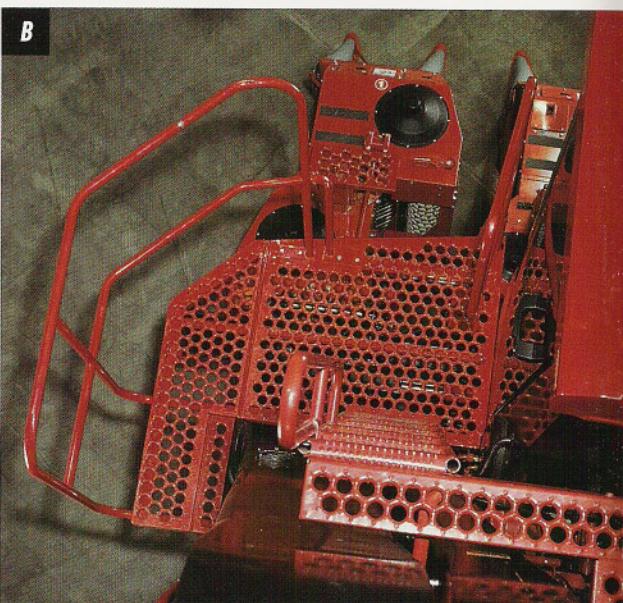
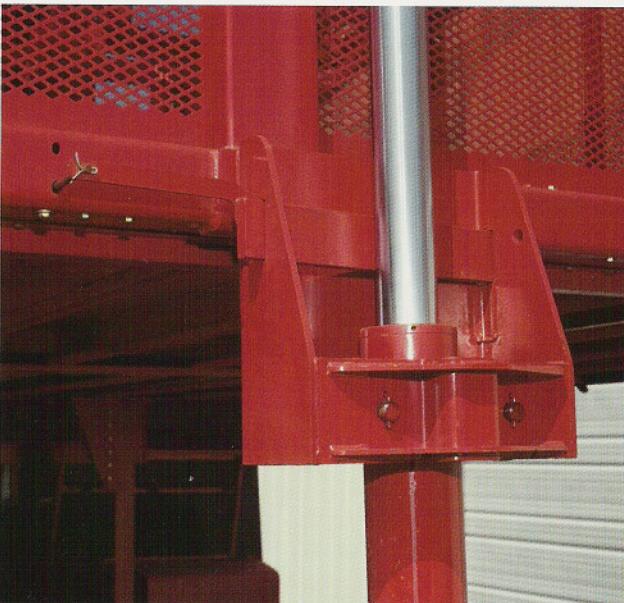
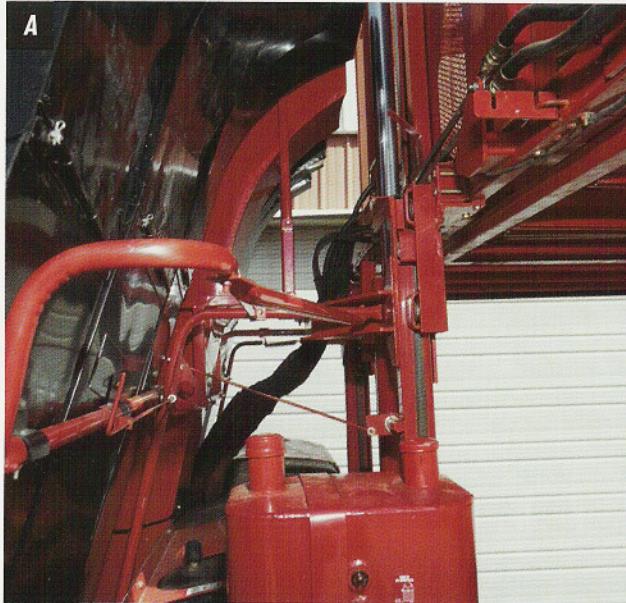
(M) HYDRAULIC FLUID RESERVOIR

The hydraulic fluid reservoir has been relocated between the cab platform and the basket for easy accessibility when adding fluid.

(N) 365 GALLON WATER TANK

Keep spindles clean during a long day of picking with the large-capacity water tank — 365 gallons (1387 L) on the CPX610 and the 2555. For greater durability, an electric pump uses a flow valve that allows for a "flush" feature for tough, dirty conditions such as picking pima cotton. Moisteners will work best with the proper amount of wetting agent.





(A) BASKET LOCKS

To work on the radiator or fan underneath the basket, first set the front and rear basket locks to ensure safety while servicing or cleaning.

(B) WIDE NON-SKID PLATFORMS

The Cotton Express pickers have wide, non-skid surfaces on all platforms and steps, making your entrance and exit to and from the cab safe. Self-cleaning ladder rungs help keep you from tracking dirt and mud into the cab.

(C) OPS SERVICE-BYPASS SWITCH

The OPS service-bypass switch located on the cab console must first be activated before using the tethered remote control to view drum rotation from the ground.

(D) PARKING BRAKE SWITCH

Engage the parking brake with this shielded rocker switch on the console.

PROTECTING YOUR PEOPLE AND YOUR PROFITS

SAFETY MEASURES FOR PEACE-OF-MIND

An Operator Presence System (OPS) automatically shuts off the row units after the operator leaves the seat of a stationary machine. Because you need to run the units for cleaning and to check spindles and drum operations during greasing, you can bypass the OPS with a switch. This allows you to use the tethered remote control to slowly rotate the drums from the ground.



We recommend carrying a minimum of two, 10-pound ABC fire extinguishers on each machine, one near the operator's station and one accessible from the ground. 20-pound ABC fire extinguishers are also available. See your local dealer for extinguishers and further information.

Conveniently located on the front headliner, **the fire-unload switch** can be activated the instant a fire is detected. Push up the lock and flip the rocker switch to the "on" position. This immediately stops the conveyor fans no matter what the engine speed, opens the basket door regardless of basket height, and quickly unloads any cotton in the basket.

Case IH is committed to your safety. For your own good, please use all available safety features, observe signage, and meet maintenance requirements as outlined in your operator's manual.



The fire-unload switch shuts off the conveyor fans and empties the basket contents when activated. It uses a locking-detent design to discourage inadvertent activation.



2555 COTTON PICKER

ENGINE & CAPACITIES

Horsepower	260 hp (193.8 kW)
Engine model	6TA-830
Number of cylinders	6
Displacement	505 cu. in. (8.3 L)
Aspiration	turbocharged/aftercooled
Fuel capacity	150 U.S. gal. (568 L)
Alternator	135 amps
Batteries	
Number	2
Capacity	12 volts/700 CCA (each)
Air filter	dual-stage, dry type aspirator and service indicator

TRANSMISSION

Input	hydrostatic
Ground speeds, 5-row	
1st gear	0-3.6 mph (0-5.7 kph)
2nd gear	0-4.3 mph (0-6.9 kph)
3rd gear	0-18.5 mph (0-29.6 kph)
Ground speeds, 4-row	
1st gear	0-4.0 mph (0-6.3 kph)
2nd gear	0-4.8 mph (0-7.7 kph)
3rd gear	0-18.5 mph (0-29.6 kph)
Final drives	heavy-duty, dual-capable
Hydraulic power disc brake	dual pedal
Parking brake	electronically controlled, mechanically applied

PICKING DRUM

No. of rows	4 or 5
Row spacing	
4-row narrow	30 or 32 in. (762 or 812 mm)
4-row wide	36, 38 or 40 in. (920, 965 or 1016 mm)
5-row narrow	30 or 32 in. (762 or 812 mm)
5-row wide	36, 38 or 40 in. (920, 965 or 1016 mm)
Drive system	gear
Stalk lifter rods	standard
Rotor protection	forward/reverse
Bars per rotor (front/rear)	12/12
Pick orientation	front/rear rotors pick from both sides of the plant

Bar material	aluminum alloy
Spindles per bar	18
Spindle diameter	0.5 in. (12.7 mm)
Barbs per spindle	3 rows of 14 per row

DOFFERS

Type	Dura-Clean, flexible
Material	neoprene, non-contaminating
Height control	automatic sensing (standard on outer two drums)
Skid shoes	hard-surfaced drum lifter
Drum lift	separate left- and right-hand
Drum lube system	
Type	on-board, 60 gal. (227 L) reservoir
Activation	automatic counter w/reminder

COTTON CONVEYING

Type	induced air flow, two outlets and air sources per row
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Fans

Type	venturi
Speed	4100 rpm
Number	2

MOISTENER SYSTEM

Type	pressurized
Water tank	
Material	polyethylene
Capacity	365 gal. (1380 L)
Pad type	individually replaceable oil-resistant urethane
Pressure fill for tank	optional

BASKET

Capacity, standard	1150 ft. ³ (32.5 m ³)
Type	vertical lift w/power-metered unloading
Lid	telescoping basket
Compactor	press-type w/integral augers
Compactor activation	automatic or manual
Unloading height range	up to 12 ft. (3658 mm)

DIMENSIONS

Overall length	27 ft. 2 in. (8.28 m)
Width, operating	14 ft. 4 in. (4.37 m)
Height, operating	16 ft. 1 in. (4.90 m)
Transport height	12 ft. 9 in. (3.87 m)
Drive axle wheel tread	
4-row wide	80 in. (2032 mm)
4- or 5-row narrow	90 in. (2286 mm)
5-row wide	114 in. (2895 mm)

STANDARD EQUIPMENT

Operator's Station:

- Focalized cab suspension, right-side window and service door
- Heater and air conditioner; electronic heating, ventilation and air conditioning control w/ infinitely variable fan; precleaner and pressurizer fan
- Tinted glass and sun visor
- Alert horn
- Two dome lights and right console light
- Steering column w/ floor and upper pivot
- Single-blade windshield wiper
- Air suspension seat w/ seat belt
- Adjustable right console floats w/ seat; padded instructional seat w/ seat belt and storage compartment
- Variable pressure moistener system w/ "flush" capabilities
- Operator-Presence System
- Basket/drum function selector
- Beverage holder, ashtray and lighter
- Dual outside rear-folding mirrors
- Equipped for radio, includes two speakers, wiring and antenna

Instrumentation, controls, lighting:

Multifunctional propulsion control lever:

- Drums raise/lower
- Basket door open/close
- Basket raise/lower
- Basket conveyor unload

Modular instrument cluster (back lit) w/ gauges, warning lights and audible alarm

Gauges: voltmeter, fuel level, coolant temperature. Warning indicator lights:

- Low voltage
- Oil pressure
- Coolant temperature and level
- Hydraulic oil temperature and reservoir level
- A/C system
- Parking brake
- OPS service bypass
- Basket full

Electronic digital data center w/ touchpad:

- Engine speed (rpm), fan speed (rpm), ground speed – mph(kph)
- Engine and fan hourmeter
- Area measure (acre or hectare)
- Moistener system pressure

Cotton monitor: drum rotor, cotton conveyor flow and conveyor fan speed

Lube monitor: bar graph display

Lighting:

- 6 halogen headlights (4 flood, 2 distance)
- 2 red rear taillights
- 6 combination amber flashing and turn signals
- Work lights (1 unloading at basket door, 1 into basket front, 3 under cab, 1 rear chassis light, 1 right-side light and 1 left-side light)

OPTIONAL EQUIPMENT

Mud scrapers

Automatic height-sensing control (additional rows)

Dual-wheel completing package

Row conversion package

Ether start

Auto-lubrication system

Spark arrestor exhaust

CASE IH COTTON EXPRESS COTTON PICKER SPECIFICATIONS

CPX610 COTTON PICKER

ENGINE & CAPACITIES

Horsepower	340 hp (253.5 kW)
Engine model	6TAA-8304
Number of cylinders	6
Displacement	505 cu. in. (8.3 L)
Aspiration	turbocharged/air-to-air
Fuel capacity	200 U.S. gal. (757 L)
Alternator	185 amps
Batteries	
Number	2
Capacity	12 volts/950 CCA (each)
Air filter	dual-stage, dry type aspirator and service indicator

TRANSMISSION

Input	hydrostatic
Ground speeds	
1st gear	0-4 mph (0-6.3 kph)
2nd gear	0-4.8 mph (0-7.7 kph)
3rd gear	0-15 mph (0-24.1 kph)
Final drives	heavy-duty, dual-capable
Hydraulic power disc brake	dual pedal
Parking brake	electronically controlled, mechanically applied

PICKING DRUM

No. of rows	6
Row spacing	
6-row wide	.36, 38 or 40 in. (920, 965 or 1016 mm)
Drive system	gear
Stalk lifter rods	standard
Rotor protection	forward/reverse
Bars per rotor (front/rear)	12/12
Pick orientation	front/rear rotors pick from both sides of the plant
Bar material	aluminum alloy
Spindles per bar	18
Spindle diameter	0.5 in. (12.7 mm)
Barbs per spindle	3 rows of 14 per row

DOFFERS

Type	Dura-Clean, flexible
Material	neoprene, non-contaminating
Height control	automatic sensing on row units 1, 3, 4 & 6
Skid shoes	hard-surfaced drum lifter
Drum lift	separate left- and right-hand
Drum lube system	
Type	on-board, 80 gal. (302 L) reservoir
Activation	automatic counter w/reminder

COTTON CONVEYING

Type	induced air flow, two outlets and air sources per row
------	---

FANS

Type	venturi
Speed	4250 rpm
Number	2

MOISTENER SYSTEM

Type	pressurized
Water tank	
Material	polyethylene
Capacity	365 gal. (1380 L)
Pad type	individually replaceable oil-resistant urethane

BASKET

Capacity, standard	1400 ft. ³ (39.64 m ³) or 10,500 lbs. (4762 kg)
Type	vertical lift w/power-metered unloading
Lid	telescoping basket
Compactor	press-type w/integral augers
Compactor activation	automatic or manual
Unloading height range	up to 12 ft. (3658 mm)

DIMENSIONS

Overall length	29 ft. 11.5 in. (9.13 m)
Width, operating	19 ft. 4 in. (5.89 m)
Height, operating	16 ft. 1 in. (4.90 m)
Transport height	12 ft. 9 in. (3.87 m)
Drive axle wheel tread	
6-row wide	82.6 in. (2098 mm)

STANDARD EQUIPMENT

Operator's Station:

- Focalized cab suspension, right-side window and service door
- Heater and air conditioner; electronic heating, ventilation and air conditioning control w/ infinitely variable fan; precleaner and pressurizer fan
- Tinted glass and sun visor
- Alert horn
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- Variable pressure moistener system w/ "flush" capabilities
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Gauges: voltmeter, fuel level, coolant temperature.

Warning indicator lights:

- Low voltage
- Oil pressure
- Coolant temperature and level
- Hydraulic oil temperature and reservoir level
- A/C system
- Parking brake
- OPS service bypass
- Basket full
- Air filter restriction
- Water in fuel

Electronic digital data center w/ touchpad:

- Engine speed (rpm), fan speed (rpm), ground speed – mph (kph)
- Engine and fan hourmeter
- Area measure (acre or hectare)
- Moistener system pressure

Cotton monitor: drum rotor, cotton conveyor flow and conveyor fan speed

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