

COTTON HARVESTING

COMPACT & CAPABLE



JOHN DEERE

NOTHING RUNS LIKE A DEERE



NEW. AND IMPROVED.

One man, one machine ... one industry. Regardless of whether you're picking cotton, non-stop harvesting is now industry-wide thanks to the improved CP690 Cotton Picker, our replacement for the original non-stop harvester, the revolutionary 7760.

We didn't forget about owners of our original non-stop harvesting system. The upgraded CP690 raises the 7760's harvest speed by five percent. Plus, we added a new CommandCenter touchscreen display for easier operation. Add in a new anti-slip regulation to give you superior traction control. Not to be missed, the CP690 showcases six-percent more horsepower to give you 590 hp at peak performance. The CP690: fuel, labor, and machine savings that are unrivaled in the market – for the entire market.



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NON-STOP COTTON HARVESTING FOR ONE AND ALL

By now you're familiar with non-stop cotton harvesting, right? One machine powered by a John Deere turbocharged Final Tier 4 engine ... operator-friendly cab with easy-to-use controls ... and, of course, the most productive row units in the business, offering clean, high-efficiency picking.



Since we've covered that, let's discuss the benefits. With this revolutionary harvesting solution – adding an on-board module builder to the CP690 Cotton Picker – we've decreased your labor, fuel, and machine costs thanks to fewer machines needed in the field, less fuel to run those machines, and fewer operators to drive them.

But the owner isn't always the operator. So what's the perk for the person behind the wheel? We'll tell you. No stopping to unload. No crossing the field to get to a module builder. No waiting for boll buggies. And no time wasted getting back on the row. With the CP690 you get a perfectly formed and wrapped module that you can drop in place or carry to an end-row, all while continuing to harvest.

TRACK YOUR MODULES FROM THE CAB

Usher in the next generation of producer-to-gin cotton module tracking by using RFID tags embedded in the module wrap. No more manually tagging modules. Easily transfer the information to a computer, via USB, data card, or use Wireless Data Transfer to send it directly to your MyJohnDeere.com account. Harvest Identification, Cotton is the future of cotton module tracking – simplifying the gin delivery process and ensuring easy visibility to all cotton module information.

Whether it's falling from the sky or being wicked up from the ground, water is a chief enemy of rectangular cotton modules covered with tarps. The John Deere CP690 give you a module that not only sheds water due to its round shape, but is also covered around its entire circumference with a tough, protective wrap, giving you an exceptionally high degree of weather-ability and helping preserve the fiber quality you worked hard to achieve.



***NO STOPPING TO UNLOAD
NO WAITING FOR BOLL
BUGGIES NO TIME WASTED***



THE COMPLETE JOHN DEERE ADVANTAGE

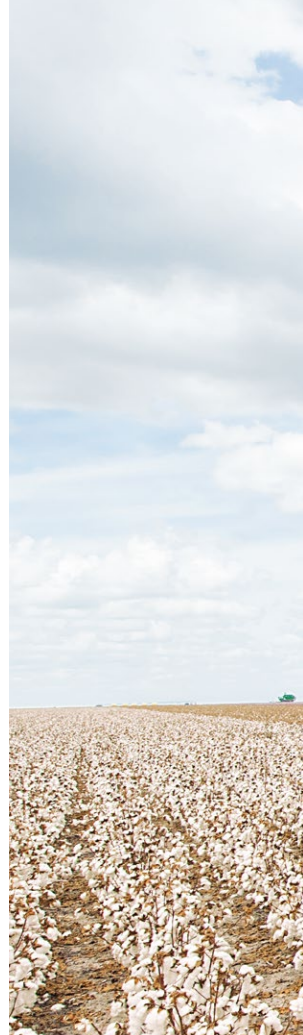
It's not just about picker country any longer. Now in places like West Texas, growers and ginner alike have and will continue to realize the advantages of the CP690 Cotton Picker. Appreciate these machines' ability to streamline your operation. With a rear module handler and enough wrap for 120 modules, the CP690 eliminate the need to dump, making your day more productive than ever.

Increased flexibility in moving modules from the field to the gin yard is only the beginning of a long list of benefits ginner gain with round modules. But in case you're new to this system, here's how it works. Round modules are fully wrapped, minimizing the amount of lost cotton in the field or at the gin yard. For a gin processing round modules, there is no need for a cleanup crew because there is no lost cotton on the ground. Conventional modules sitting on the ground have the opportunity to wick water off the ground, whereas the fully wrapped modules keep cotton dry – from the field, to the gin yard, to the gin.

TAKE INTO ACCOUNT THE SAVINGS

Take a look in your machine shed. Now take a look at your ledger. Trying to find an area to help reduce some costs? Try this on for size: let's nix those boll buggies, get rid of the module builders, and maybe sell off a couple of those tractors – or at the very least cut down on some machine hours. How's that ledger looking now? Well, there's more.

Let's cut your labor force down to a mere fraction, lower your insurance premiums, and keep a ton of leftover fuel at the pump. Now check the ledger once more. Looking better? Good. Let's keep going. With the ability to harvest more efficiently in adverse conditions, such as high winds, you can get the crop out of the field in the optimal window more quickly and easily, allowing you to maintain the lint quality you demand. As we all know, higher lint quality means higher profits. There's also less cotton loss in the field due to transfers from your basket machine to the boll buggy. And we've reduced transport loss to the gin yard, as well as loss from bad weather. So when you take all these savings into account, John Deere Cotton Harvesters truly help put the 'edge' in your ledger.



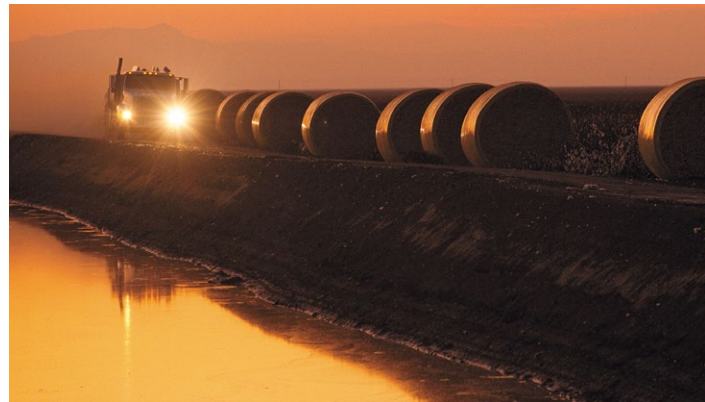
In addition to its inherent water-shedding ability, the round shape of the completed modules enables the non-stop harvesting ability of the CP690 Cotton Picker. How? Once you've picked enough cotton, the module-forming system on these machines take over. While you continue to harvest, the CP690 automatically form and wrap a module, then deposits the completed module onto the rear module handler. You can then carry the wrapped module to an end-row or other staging area and drop it without ever stopping.



With only slight modifications to the conveyor chain, existing module trucks can easily pick up, haul, and unload up to four wrapped round modules ... which can average more cotton per load than one full-size standard module.



**REDUCING HARVEST
FROM FORMER 4 WEEKS
UP TO 5 DAYS EARLIER**



The wrap storage box on the CP690 holds up to 5 rolls, giving you enough wrap for up to 120 round modules.



TAMA RMW PALLETIZING AND STORAGE MADE EASY

- Handling and storage instructions provided on each pallet
- End protectors on both ends of the pallet
- Pallet cradles that stabilize the RMW rolls on the pallet
- Bubble wrapped for extra protection

ONE MACHINE. AND ONE HECK OF A MAN CAVE.

If there's a sanctuary in farming, this is it. So grab your essentials, hop in, and get ready to harvest in luxury. The CP690 Cotton Picker feature premium cabs with all the comfort, convenience, and control features you need to stay relaxed during the longest harvest days.

The pressurized cab itself features our set-and-forget ClimaTrak Automatic temperature control, as well as the plush ComfortCommand air-suspended seat. The standard training seat lifts to reveal a storage folder and removable tray, perfect for storing your CDs and cell phones. Remove the tray and you can store bigger items like your laptop.

On your right is the CommandCenter display, which serves as the primary operator interface, and first source for machine information. Touchscreen navigation takes you through screens displaying information on settings, alarms, and diagnostic information.

Just in front of the display is the multi-function lever and CommandTouch console, offering control over machine speed, row units, module builder, Manual RowSense guidance and more. The cornerpost display also shows engine RPM, harvest information, and module-builder status.



AT YOUR COMMAND

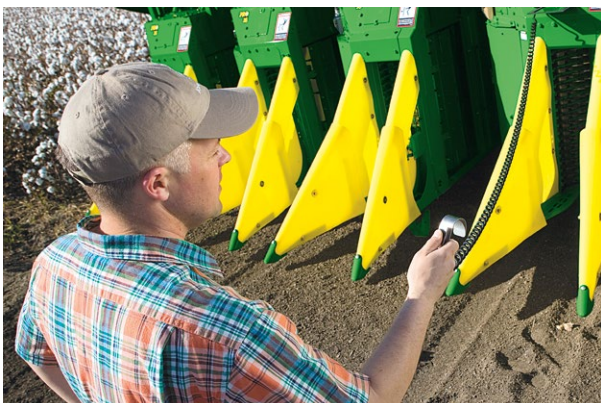
Check out the controls of this ergonomically upgraded operator station. There's a new 19 cm touch screen CommandCenter display that gives you all of your important information in a vibrant, easy-to-read format. And a new digital corner post display has been updated for improved readability so you can observe all the critical machine functions swiftly and without compromise. Just think of it as your entire harvesting system operated from one central location, all at your fingertips.

INFORMATION AT-A-GLANCE

The cornerpost display gives the operator an assortment of readings, including engine, round module builder and machine speed information.



***PREMIUM CAB WITH ALL
INFORMATIONS IN A VIBRANT
EASY-TO-READ FORMAT***



Tethered row unit lube system is standard on every John Deere cotton picker.



The tether remote comes standard and is conveniently stored outside the power module, making it simpler to move between machine configurations.



CP690: THE MOST POWERFUL COTTON HARVESTER IN THE WORLD

When we say the CP690 is the ‘most powerful,’ we’re not kidding. You won’t find another cotton picker in the world sporting 590 peak horsepower – 560 hp nominal with 30 hp boost – that’s strong enough to get you through the toughest harvesting conditions, and then some. Best of all, it’s packed into a new 13.5 L Tier 4 John Deere PowerTech PSS engine ... an engine that’s as easy on your harvesting system as it is on the eco-system.

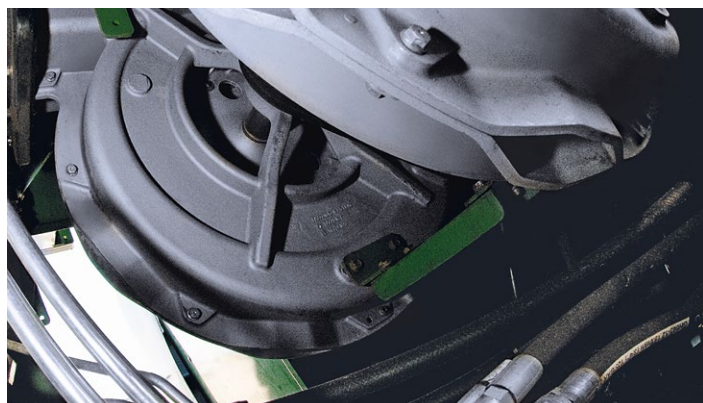
Add to that the fact that with the CP690 we’ve raised sync-speed harvest to 7 km/h and bumped up scrapping speed to 8.5 km/h. So with all this extra speed, you’ll still yield four bales an acre, yet finish sooner. If that’s not a win-win, then what is?

But what’s power without performance? Consider that the CP690 features a new ProDrive Automatic-Shift Transmission with anti-slip regulation that provides superior front-to-rear traction stability. Plus, a new auxiliary fan gives you improved rotary screen cleaning to help keep your machine debris-free. While the standart LED lighting package maintains visibility at optimal levels, at all times.

The CP690 is powered by a 13.5 L Tier 4 turbocharged and air-to-air intercooled John Deere PowerTech PSS engine. This new engine provides 560 hp of performance (590 hp thanks to an additional 30 hp boost in cotton handling operation); combined with full-time four-wheel drive, the CP690 yields unparalleled performance and productivity in all conditions.

DUAL HIGH EFFICIENCY COTTON CONVEYING FANS

The dual air fans of the CP690 allow it to maintain its optimum ground speed, even in tough conditions, especially when dew sets in during the evening hours. In addition, the dual fans provide increased air flow in the engine compartment to ensure the CP690 stays clean.



UP TO 590 TURBOCHARGED HP
FULLTIME-FOURWHEEL DRIVE
UP TO 8.5 KM/H SCRAPPING SPEED



IMPRESSIVE TURNING RADIUS!

The CP690 has a turning radius of 4 m without brakes. Less time spent turning ensures that you are maximizing the productivity of your picker, all day, every day.



PRO-16 PICKING UNITS

The PRO-16 units are mounted on a strong frame, allowing them to be moved easily for adjustments or service. The CP690 comes standard with the Manual RowSense guidance system when equipped with the PRO-16 units, promoting increased efficiency and decreased operator fatigue while on the row.



PRO-FORMANCE THAT'S UNMATCHED

No matter what row spacing you're planting now (or might be planting in the future), you'll be ready for just about anything with the PRO-Series Row Units.

With a wide variety of available row-spacing configurations, you get unmatched cotton picking flexibility. Start with the patented John Deere roller and crank system ... changing unit spacing is an easy, one-person job, and helps make maintenance and service easier and more convenient.

EASY AND COMFORTABLE CONFIGURATION AND ADJUSTMENT

ELECTRONIC HEIGHT SENSING

Electronic height sensing (standard on CP690) lets you adjust both height and sensitivity on-the-go from the comfort of your cab. You can pick more low-hanging bolls because row-unit height automatically adjusts to the terrain. In fact, the units can be adjusted to run virtually flat to pick bolls other machines would leave behind.



UNIT SPACING

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



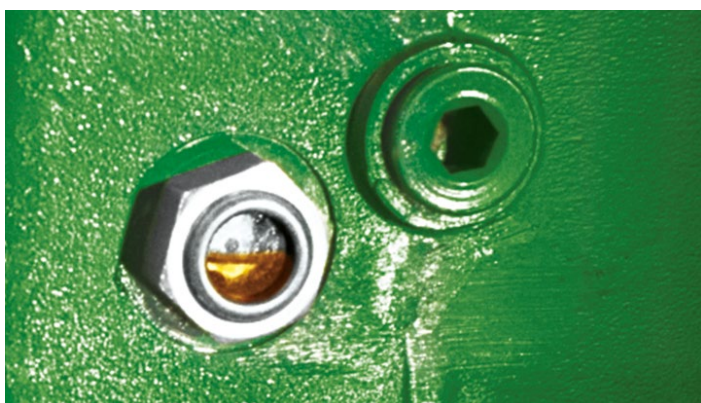
PRO-XL SPINDLES

PRO-XL spindles were specially engineered with John Deere's PRO-SERIES cotton pickers in mind. They provide superior performance in harsh picking conditions and deliver a long wear life.



SIGHT GLASSES

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



HARVEST DOC COTTON A MAP FOR SUCCESS

Before you can reach your yield goals, you first need to be pointed in the right direction. And Harvest Doc Cotton is just the tool to lead you. With this superior yield mapping system, you can view harvest data right from the cab.

As with other high-yielding crops, the ability to collect harvest information is nearly as important as the crop itself. With Harvest Doc Cotton, you can document cotton yields with your GreenStar system and your John Deere CP690.

Using Harvest Doc as a foundation, Harvest Doc Cotton enables you to generate detailed cotton yield maps that can help you make the most informed management decisions possible. Harvest Doc Cotton uses the StarFire 3000, and Mass-Flow sensors.

Once the data is collected you can generate detailed reports and maps of the captured yield data. View or technology section on page 18 or ask your John Deere dealer for more details.

***ON-THE-GO
DOCUMENTATION
ENDS MANUAL TAGGING
AND IDENTIFICATION***





JOHN DEERE HARVEST IDENTIFICATION, COTTON

Producers and ginners, meet John Deere Harvest Identification, Cotton ... a system that can deliver on-the-go documentation and eliminate manual tagging. Let's face it, module identification, manual tagging, and reconciling modules at the gin are old news, and so are the extra resources needed to conduct these tasks.



IN THIS CHAIN, THERE ARE NO WEAK LINKS

For your business to run smoothly and profitably, you need the bond between your operation, your dealer, your agronomist, and your gin to be strong at all times. That's the purpose of the John Deere FarmSight strategy. With the help of services such as JDLink, FarmSight can keep your circle of equipment and dealer resources productive for you throughout the entire cotton cycle. Here's a glance at the features that can benefit you:

JDLink* is your connection to improved efficiency and performance of your equipment. Remote Display Access, Wireless Data Transfer, and Service ADVISOR Remote are all packaged in this think-smart suite of solutions. Not to mention access to other great features, such as maintenance alerts, location history, and more. Best of all, JDLink allows you to customize your machine utilization report ... which you can then integrate directly into your MyJohnDeere.com Operations Center to simplify data collection and storage, while offering an effective means to analyze the info from anywhere and at any time.

MANUAL ROWSENSE GUIDANCE

The Manual RowSense Guidance System keeps your attention on harvesting cotton, rather than steering the machine. Operators stay more alert and more relaxed, with less stress and fatigue.

It's a simple, reliable system that pays off with more cotton in the basket and higher efficiency from machine and operator. To activate Manual RowSense guidance, just line up with the rows, then hit the switch on the multi-function lever.

Convenient arm-rest controls turn on and adjust Manual RowSense system. A switch on the multi-function lever engages it.



The wishbone rod assembly runs along each side of the row. A center pivot allows side-to-side movement as it follows the row, activating an electronic sensor that sends a signal to the controller.

With **Wireless Data Transfer**, you can send your Harvest Doc and Harvest ID, Cotton files, such as your yield data, straight to your MyJohnDeere account to give your ginner and trusted advisors quick, easy access to your data, allowing you to make faster, better, more informed decisions for the present – and the future.

Service ADVISOR Remote* takes the machine connectivity of JDLink one step further. Field service calls can be reduced and uptime maximized when machines are remotely diagnosed.



Harvest accurately with the innovative **AutoTrac** system. Automatic guidance provides you with hands-free control to help manage in-field efficiency, greatly reducing operator fatigue.

*Activation/subscription required. Some additional accessories and/or components may be required. JDLink requires a cellular data connection to transfer information from machine to JDLink website. Consult your local John Deere Dealer for coverage availability.

NON-STOP IN THE FIELD. ONE-STOP AT YOUR DEALERSHIP.

Whether you're talking daily maintenance, routine service, or emergency repairs, you'll appreciate doing business with John Deere and your cotton country John Deere dealer. To start, we made daily items quick and convenient. Remote tethers control row unit lubrication, while quick fill connections allow fast filling of the water tank and on-board lube system. When it's time for larger service or repair items, nobody responds like your John Deere dealer. With a complete inventory of replacement parts, as well as trained technicians, your John Deere dealer can get you back on the row with minimal disruption to your harvest.



TECHNICAL SPECIFICATION

CP690 COTTON PICKER	
ENGINE	John Deere PowerTech PSS
Horsepower	560 nominal
Power Boost	30 hp (590 hp total)
Displacement	13.5 L
Cylinders	6
Turbocharged/Aftercooled	Yes
Alternator	Two 200 amp alternators
COOLING SYSTEM	
Rotary Screen	Yes
Ground Level Access to Coolers	Yes
FUEL SYSTEM	
Type	Direct injection
Governor	Electronic
On Board Diagnostics	Yes
TRANSMISSION	ProDrive automatic-shift (AST)
Unit Configuration	PRO-16
1st speed (4WD)	0-7 km/h
2nd speed (4WD)	0-8.5 km/h
3rd speed (4WD)	0-14.5 km/h
4th speed (4WD)	0-27 km/h
BRAKES	
Type	Multi-disk, wet
TIRES (Two available packages)	
Standard Drive Tire (Dual)	520/85R42 R1
Standard Steering Tire	IF580/80R34 RIW
Optional Drive Tire (Dual)	520/85R42 R2
REAR WHEEL DRIVE	Yes
ON-BOARD MODULE BUILDER	
Module Shape	Round/Cylindrical
Module Dimensions	Up to 238.7 cm diameter 238.7 cm wide
Module Weight	2,041-2,268 kg estimated
Unload on-the-go	yes
Wrap system carrying capacity	120 portions

CP690 COTTON PICKER	
ROW UNITS	
Number of Rows	6
Spacings	76, 91, 96, 101 cm
PICKING UNITS	
Style	In-line
Units Available	PRO-16
Drums	2
Bars Front and Rear	16-12 (PRO-16)
Spindles per Bar	20 (PRO-16)
Doffer Pads	Urethane
Moistener Pads	Urethane
Unit Drive Protection	Slip clutch
Unit Movement	Crank and Roller
PICKING UNIT LUBRICATION	
Bars	On-board
Upper Gears	Standard
Lube Tank Capacity	257 L
TANK CAPACITIES (L)	
Fuel Tank	1,400
DEF Tank	69
MOISTENER SYSTEM (360 Gallon Capacity)	
Quick Fill	Standard
LUBE	
Hydraulic System	
LENGTHS	
Overall Length	1,013 cm (harvest); 1,194 cm (transport)
Wheel Base	432 cm
HEIGHTS	
Transport Mode	440 cm
Harvest Mode	524.5 cm
Full Height during module eject	7.6 m
WEIGHTS	
6-Row	29,937 kg



NOTHING RUNS LIKE A DEERE

As you face the demands of your day, it's good to have company you can count on. You can rely on us when you need financing for your operation. With John Deere Financial, you have a resource that gives you many options to choose from. At the end of the day – and every day forward – we'll be there at your side.



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