

Combines

S660, S670, S680, S690, T670



What can green do for you?

When you step into a John Deere Combine, it's always ready to perform. It performs strong throughout the entire harvest season. It works smart, from the functionalities in the cab, to the innovations at its core. It offers you total combine capacity that's unparalleled and, yes, without complexity. The real benefit though, you get all of these features in one machine. Because that familiar coat of green paint demands that you get the whole package. **Ready. Strong. Smart. Able to keep your capacity up and your complexity down.**

How do we do it? Through our legacy of passion, pride and productivity, which helped us launch great features like the ProDrive™ transmission with HarvestSmart™, the TriStream™ and Variable Stream rotors, Active Concave Isolation, Platform Tilt, and so much more.

Today our evolution continues. We're introducing a new set of advancements to heighten performance even further. New header improvements for both corn heads and draper platforms. A new, more refined cleaning system. New mobile technology. And additional new features to help you progress in your operation. Because it's not just what green can do for you, **it's what green will do for you.**





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More quality, from front to back



High-quality grain starts up front, with getting the crop into the machine. Fitting then that the John Deere S-Series makeover starts with our new and improved front-end equipment. The new 612FC Folding Corn Head perfectly marries speed and simplicity to give you superior performance in or out of the paddock. And the new HydraFlex™ Drapers feature four new enhancements across the entire line that further demonstrate our commitment to the highest level of productivity. But we didn't stop at heads and platforms. Work your way back and you'll find the new Dyna-Flo™ Plus Cleaning Shoe. Our newly designed shoe raises overall efficiency ... so what it reduces in tailings volume, it gives back in higher combine capacity, as well as generous time savings. Then there's the new Active Terrain Adjustment™, which helps minimise grain loss when harvesting over rolling terrain. From the head of the machine to the rear, the S-Series are a total upgrade over the paddock.

JDLink™ Connect-enabled features:

- Remote Display Access
- Wireless Data Transfer
- MachineSync
- NEW Harvest Mobile

14,096 L grain tank

- 14,096 L (400 bu.) capacity
- Higher harvesting efficiency

Premium cab

- Leather cab option with heated, ventilated, lumbar-supported seat
- Relaxing space and comfort
- Easy-to-use harvesting controls
- Advanced technology including, Interactive Combine Adjustment (ICA)

AutoTrac™ RowSense™

- Maintain efficiency through changing conditions
- Reduce grain loss
- Improve performance

Feederhouse

- Platform tilt option
- 4-chain feederhouse with cast iron slats
- Single-level multi-coupler
- Multiple drive options

Header lineup

- Full range for all crops and conditions
- Corn heads, drapers, belt pick-up
- Matched capacity
- Stable performance



Transmission options

- Exclusive ProDrive™ automatic transmission
- PBST (Push-Button Shift Transmission)
- Mechanical-shift transmission
- Engine speed management system



Tier 2 engine

- Reliable John Deere PowerTech™ engine
- Meets Tier 2 emission regulations

High-speed unloading

- 135 L/sec. (3.8 bushel/sec.) unload rate, fills cart in seconds
- Enclosed gearcase for quick and quiet engagement
- 7.9 and 8.7 m (26 and 28.5 ft.) augers available for easy unloading

Active tailings system

- Higher total machine capacity
- Cleaner grain sample

Advanced threshing concept:

- The TriStream™ and Variable Stream Rotor
- Higher separator capacity
- Improved material handling
- 8-wing feed accelerator (Variable Stream Rotor only)

Tough small grain package

- Exclusive Active Concave Isolation
- Increased throughput

NEW Dyna-Flo Plus cleaning system

- Six additional louvres on sieve (12% more surface area)
- 28% percent reduction in tailings volume
- 1.5 hours of added combine capacity

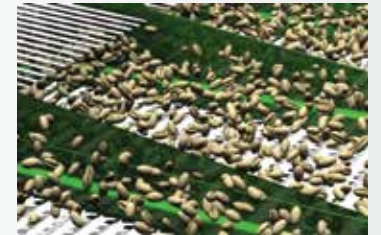
NEW Active terrain adjustment

- Automatically adjusts cleaning shoe settings over rolling terrain
- Maintains machine ground speed
- Minimises grain loss and provides a cleaner grain tank

Take a tour

JohnDeere.com.au/Combines
JohnDeere.co.nz/Combines

Looking for a backstage pass to meet the newest S-Series Combines? We have your ticket to the show. Visit the Combines page at the John Deere website and you can take a virtual tour through the machine. This is more than a website. This is an online experience with everything but a factory representative on-hand to guide you. Learn about every nook and cranny, from the cab, to the crop processing system, to the engines and drives. Complete with simulated rotations, animated cutaways, exclusive videos, and in-depth feature descriptions, the S-Series tour showcases the combine in ways you've never seen. Even better, with an easy, comfortable scrolling set-up, you can move through the journey in little time, so you don't have to labour while you learn. Come explore the S-Series Combines today. No need to make reservations.



A cab fit for a king

It's not quite a castle, but a John Deere premium cab will make you feel like modern-day royalty. Just imagine sitting in the coziness and comfort of a spacious operator station with all the creature features and amenities you need to keep you productive and upbeat. But what throne would be complete without superior upholstery? Enter the leather package option, equipped with leather steering wheel, lumbar-supported operator seat that's heated and ventilated, and leather instructor seat. Easy-to-use controls, like our convenient 'soft-touch' switches let you fine-tune machine performance. And to round it out, the premium cab offers a full 180-degree view to look out on your kingdom. It's good to be the king.





Premium sound. Let's say you want to listen to some music and stay connected. The premium package provides full MP3 support and BlueTooth® functionality. Advanced features like Push-to-Talk and a fully synchronised phone book keep you in touch.

High standards. Not interested in the leather cab package? No problem. The standard comfort zone cab is still one of the highest in the industry. The air suspension premium seat adjusts four ways to fit you perfectly. Lumbar adjustment gives you just the right amount of back support. There's even an optional heated cushion.

More storage. Harvest time means long days in the paddock, which means you're working and eating on-the-go. Luckily the S-Series cab is big on space and storage. Better still, the integrated refrigerator keeps your refreshments cold all day.

Tech savvy

This may not look like a business centre, but it is. In fact, we loaded it with so many advanced features, you can run your entire operation from this one seat. So what does this smart hub offer? The better question is, what doesn't it?

Interactive Combine Adjustment (ICA)

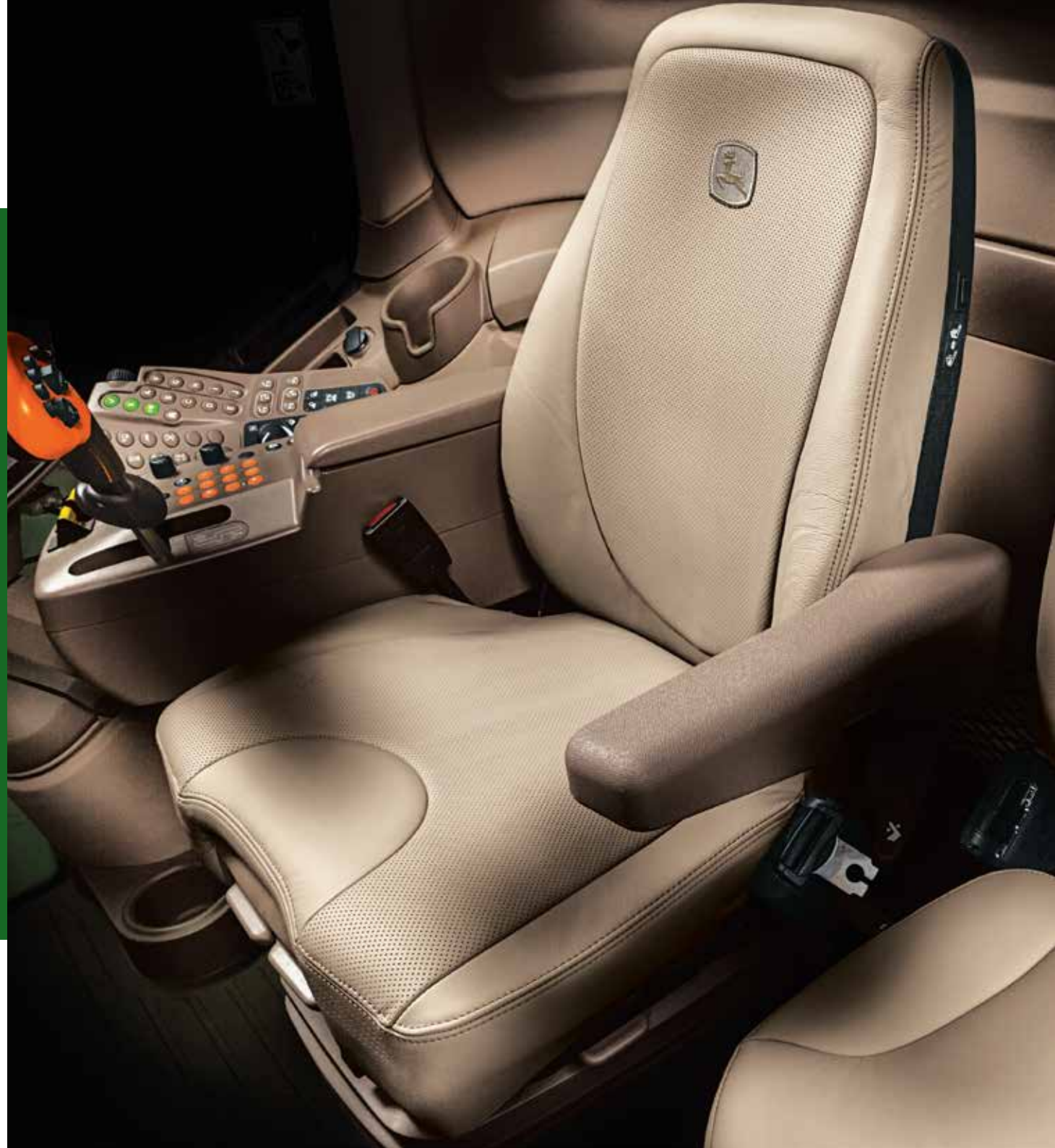
With Interactive Combine Adjustment, basic drivers can work the machine like a pro. ICA simplifies the combine controls for the operator so your harvest not only stays efficient, but production actually increases by up to 0.8 hectares a day.

JDLink™ Connect

JDLink* Connect is your ticket to improved efficiency, uptime, and profitability. It includes features like Remote Display Access that enable a farm manager or dealer to remotely review the GreenStar™ 3 display settings. There's also ServiceADVISOR™ Remote that gives you the confidence you need each time you step into your combine. And Wireless Data Transfer allows for easy movement of your harvest data straight to your MyJohnDeere.com account.

TouchSet™

With 25 factory crop settings available and the ability to store nine additional, TouchSet automatic combine adjustment is about as versatile as it gets. Customise each setting to adjust rotor RPM, concave opening, fan speed, main chaffer, and more.



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

Harvest Smart™

Operator stress? No such thing when you use the Harvest Smart feedrate control system. Adaptive, on-the-go functionality enables automatic ground speed control during harvest operation to maximise combine productivity.

AutoTrac™

Harvest accurately, efficiently, and hands-free through the innovative AutoTrac system, whether you're working in corn, beans, wheat, rice, canola, or any other crop.

ServiceADVISOR Remote

Don't let diagnostic issues get you down. ServiceADVISOR Remote allows your dealer to monitor your machine's health while in-use for faster, simple troubleshooting, potentially saving a service call.

John Deere MachineSync

MachineSync includes Combine Harvest Automation, Harvest Logistics, Coverage Map Sharing, and Guidance Line Sharing to further jump productivity.

Take command



With CommandArm™, a CommandCenter Display, and a digital cornerpost display, the S-Series gives you control over all operations with less effort.

CommandArm console:

The CommandArm console makes it easy and convenient to stay productive. Controls are user friendly and fast to locate.

- Hot keys for common harvesting adjustments, transmission
- Air conditioning controls
- Radio controls
- Light controls

Multi-function control handle:

Fits your hand perfectly to give you smooth hydrostatic speed control. It also controls unloading operations, AutoTrac resume, and header functions.

Display options

See what you need to see, and more



Digital cornerpost display

The well-appointed displays are easy to read and give you complete information on your combine's performance. At-a-glance, get a quick overview of forward speed, engine RPM, and alerts. The new power meter shows you the amount of power used, with a single glance.



GreenStar 3 CommandCenter Display

puts vital machine and crop information within reach, making it easy for you to make quick adjustments. It supports GreenStar applications such as AutoTrac and AutoTrac™ RowSense™ from one panel.



GreenStar 3 2630 Display

You can upgrade the GreenStar 3 CommandCenter for a larger 2630 Display. Run all your Ag Management Solutions including documentation and guidance. It also supports video functionality. *(Up to three cameras can be wired into the system)*

Harvest Mobile

Efficiency in the palm of your hands

You want to get more out of your operation without over-complicating it. We have the solution. Introducing Harvest Mobile, a new simpler way to manage some of your key harvesting functions.

Harvest Mobile is the latest in the way of in-cab innovation. It works directly from your iPad to deliver in-depth info on paddock performance by visualising mapping layers such as ground speed, wet yield, dry yield, and average moisture. You can see exactly what's going on in the paddock. Harvest Mobile also displays machine settings at a glance, like rotor speed, fan speed, and more.

But perhaps the most impressive thing Harvest Mobile allows you to do is view and adjust our industry-exclusive Interactive Combine Adjustment (ICA) directly from the tablet. With ICA, machine controls are simplified, helping the operator go from novice to know-it-all in far less time.

Harvest Mobile is only compatible with combines from MY15 onwards.










Time to 'Go'

Get next level optimisation with our GoHarvest™ app

Grab your smart phone and download the app that's taking farmers by storm. The **GoHarvest** application gives S-Series Combine operators the ability to optimise their 2012 or newer machine as they enter the harvest season. Just choose your S-Series model and crop type, and GoHarvest will suggest for you initial settings for that specific crop type. It also features a notes section, photo functionality, and rich content videos to give you a premium experience when optimising your machine. GoHarvest is also a great guide to use in field for settings changes as conditions differ, and to document changes made to settings during harvest.

High performance headers. Your profitability starts here.

-  Wheat
-  Rice
-  Soya
-  Barley
-  Maize
-  Canola
-  Oats
-  Peas



STANDARD

SMALL GRAIN



600R
Economical solution
with premium features



600D
Draper platform for success
(S-Series combines only)

SPECIALIST

SMALL GRAIN



615P
Best choice for windrowing
and swathing



600X
Innovative multi-crop header



600F
Excellent in peas and beans



600FD
Cut lower, move faster,
maximise yield



600C and 600FC
High speed corn harvester



New 612FC Folding Corn Head

Fold and go ... it's that simple



Corn growers, rejoice. The new 612FC Folding Corn Head is available for your John Deere S-Series Combine. And to do you one better, we've designed it for both our regular unit and our StalkMaster™ system, for those who prefer to cut stalks on the move.

Regardless of which system you go with, the 612FC will improve your harvest readiness.

What does that mean? It means it's 'ready' to raise your hectares harvested by 12 hectares per day (*compared to a traditional 8-row corn head*), while reducing your overall operating costs by up to 15% – fuel and labour come to mind. Also, it's 'ready' to fold at a moment's notice, which increases your harvest performance by 2 hectares per day (*compared to a traditional 12-row corn head*).

Besides the uptime and productivity, there's the ease of use and convenience. With the 612FC you can fold the header without ever leaving the cab. This lets you move from paddock-to-paddock more quickly and easily. And while it folds for performance, it won't fold under pressure. Feel confident knowing it can handle rough conditions, including high-yielding corn, robust hybrids, or tough green stalks. The 612FC also helps you decrease your operating costs by 15%.



Beat the clock with the 600C Corn Heads

606C – 618C deliver a more productive harvest

We knew we couldn't come to the market with the most powerful combine and not deliver front-end equipment that could keep up with it. That's why we tag-teamed the S-Series with a full lineup of corn heads from 6 rows to 18 rows to meet a wide range of customer preferences. Built ready, these corn heads offer more rows, and perform exceptionally well at higher harvesting speeds, which means you can get done a whole lot sooner.

Excels in every condition

More hectares, higher yields, and hybrids with tougher stalks are real challenges at harvest. That's why the 600C components are robust enough to chop through the toughest, thickest crop with ease.

Smooth handling and less loss. High-performance gathering chains, stalk rolls, auger, feederhouse, and trough promote smooth crop flow and help to make sure every kernel makes it inside the combine. The results: fewer tossed ears, less ear shelling, and less trash fed through the combine.



600C StalkMaster Chopping Corn Heads

The StalkMaster Corn Head Chopping System lets you size and chop corn stalks while harvesting, eliminating second-pass operations and saving time, fuel, labour, and additional tractor operating costs. StalkMaster is available on the 606C, 608C, 612C, 616C and the 618C Corn Heads.



Tapered shaft and locking retention nut improve retention and ensure optimal material transport. Stalks are drawn through with a gentle touch and then finely and consistently chopped by the StalkMaster chopper. The 600 Series Corn Heads can also be tailored with stalk rolls designed to match your harvesting needs.

Straight Fluted. Crimping action leaves the stalk mostly intact.

Opposing Knife. Standard with StalkMaster to maximise stalk processing.

Intermeshing Knife. Medium stalk processing uses less power.



Higher capacity feeding. The optional CommandTouch™ Multi-Speed feederhouse drive provides higher capacity feeding in the heaviest yielding corn. The reliable PowerShift™ transmission delivers up to 42% more torque capacity that enables you to operate the corn head in five speed ranges. Push one button and you can control the speed from the cab.

A heavy-duty slip clutch design protects both the row unit gearcase and the StalkMaster lower chopping unit gearcase. If the clutch slips, the operator will know immediately.



Lift-assist row unit deck shields make it easy to access the maintenance points. Finish quickly so you can resume harvesting.



Easy disconnect. The gearcase on the StalkMaster row units now features a chopping disconnect. Each row unit has a convenient shifting lever on the right side of the gearcase to turn the function on or off.

High-performance HydraFlex Drapers

How can you make sure you don't leave profit in the paddock? Get to know the true full-width flexible cutterbar – the 630FD, 635FD, 640FD, and 645FD HydraFlex Drapers. Covering a variety of platform sizes, the 9.1, 10.7, 12.2, and 13.7 m (30, 35, 40, and 45 ft.) models flex 190.5 mm (7.5 in.) across the full width of the cutterbar allowing the draper to hug the ground, reaching more beans with every pass. Better still, the exclusive HydraFlex flotation system allows you to change the amount of weight of the cutterbar riding on the ground to match soft or hard soil conditions while you cut. As an added benefit, the 630FD gives you even greater performance in rice, helping you maximise crop yield. And the 645FD provides greater width for knocking big jobs down to size.



406.4 mm (16 in.) High-capacity feed drum. A large feed drum with tapered ends and gathering fingers delivers the crop from the centre feed belt into the feederhouse for smooth, uninterrupted crop flow. Engage the feederhouse reverse switch on the armrest and you can easily reverse the reel, feed drum, and centre feed belt from the comfort of your cab.



Keep an eye on what matters. We designed the new 600FD Drapers with swept back rear panels that give you an unobstructed view across the full width of the head. You can see the crop as it's cut, laid head first on the side draper belts, delivered to the centre-belt, and fed smoothly into the combine.



A family that sticks together

645FD features have now been added to the entire HydraFlex Draper lineup

The enhancements we built into last year's 645FD were so well-received by customers, we decided to extend it across the whole line. For starters, we have a wider feed section. The added width allows you to get more crop into the feederhouse and, thanks to a faster centre-belt drive-speed, it can handle the higher volumes of crop with no problems. Shorter end dividers were added to help reduce grain loss and crop knock down. And stronger reel fingers are in place to better handle harsh crop conditions, such as down crop. Last, but certainly not least, the improved wear life on the reel finger support tube bearings keep your flex draper out of the shop and keep you working in the paddock where you belong.



Draper belt protection system. Integrated into the HydraFlex draper platform, this system minimises side belt damage should slippage occur. How does it work? Speed sensors monitor the speed of the idler rollers and if any major slippage happens, the belts shut off and a warning is displayed on the CommandCenter™ Display.



Reel options. We equipped the 640FD and 645FD with two reels. The two-piece reel features a 5-cylinder lift system that provides a consistently level reel height across the full width of the cutterbar. This allows even feeding of the crop unto the draper belts.

Side belt. Side belt speed reduction lets the operator slow down the side draper belts to a fixed speed with a push of a button. This feature is designed to improve draper performance when the operator is not harvesting the full platform width or when coming out of headlands.

Platform for success

Perfect harvesting conditions rarely occur. That's why so many growers choose the 600D Draper Platform from John Deere. The entire line works fast, even in tough wet conditions.

Designed to perform. The dual-knife drive system, with a built-in drive line protection system, provides years of trouble-free operation. Perma-Glide divider points are designed to minimise outer divider plugging. Performance features also include taller belt cleats, wider belts, and a larger, 406 mm (16 in.) feed drum. You can even add an optional auxiliary top auger to keep bushy crops moving into the feederhouse. With a complete draper line that includes sizes from 7.6 to 12.2 m (25 to 40 ft.), you'll have the widest selection of draper heads for the widest range of crops and conditions.



- 1. Cutterbar tilt.** A centre-mounted hydraulic cylinder lets you tilt the cutterbar from the convenience of the cab using the advanced HydroHandle. You get the optimum cutting angle and the lowest possible cutting height.
- 2. 406 mm (16 in.) feed drum.** 102mm (4 in.) larger than previous models, this drum is sized to provide better feeding in high-volume and high-yielding crops.
- 3. Timed dual-knife drive system.** You'll appreciate the smooth, vibration-free cutting performance you get from the shaft-driven in-line dual-knife drive system. Standard on the Draper Platforms.



Reel resume and reverse. With reel resume, you can store three reel positions so you'll always match paddock conditions. And for the occasion that your draper gets too big a bite, a single button lets you reverse the reel, centre-feed drum, and centre-belt to remove material without stepping out of the cab.

HydraFloat suspension system. No more cutterbar bulldozing in soft soil! This hydraulic height-sensing system lets you increase the hydraulic pressure so the cutterbar will float over the ground. Adjustments are made in the cab. Because there's no manual float spring tension to adjust, no stopping is required. With the low, 38 mm (1.5 in.) cut height, this system is a winner in down, tangled crop.

Integrated road transport. Equip your 630D, 635D or 640D with this optional transport system for absolute convenience. Converting from paddock to transport mode takes only minutes and requires no tools.

25 mm (1 in.) draper belt cleats. 25 mm (1 in.) tall belt cleats move heavy, down, or damp crop efficiently. In addition, the belt speed is now 20% faster for more consistent, even feeding.

New reel fingers have been upgraded for greater uptime. More durable, more robust, the new reel fingers have been strengthened by 30% to resist deflection, but still be sturdy enough to be long lasting.

Bring-it-on capacity!

What's in front of your combine has just as much effect on productivity as what's inside your combine. So we designed the 600F Series HydraFlex Cutterbar Platforms to match the high capacity of the S-Series Combines and equipped them with a range of performance-boosting features, including:

Single-point hookup. All John Deere headers and platforms feature single-point hookup of electrical and hydraulic connections, as well as latchpin engagement.

Double-cut knives with heavy-duty drive. 101.6 mm (4 in.) double-cut knives give you cutting capacity and harvesting speed, while the epicyclic drive offers reliable, smooth performance.

HydraFlex technology. With HydraFlex, you can control how much of the cutterbar's weight is on the ground without affecting the ultra low cutting height of this header. Custom cutters can dial up the pressure to maximum, locking the cutterbar into the rigid position, thus giving you one platform you can use for wheat and beans.

Exclusive HydraFlex Platforms give you unmatched flexibility to run faster and cut cleaner over uneven ground. Float arms with hydraulic cylinders give you 152 mm (6 in.) of float, even when changing pressure to match harvest conditions. In-cab controls let you make adjustments, or run on "automatic." For rigid operation, simply use the maximum pressure, or use mechanical lock-out brackets.



The 660 mm (26 in.) diameter auger, with its 127 mm (5 in.) flighting, takes in a thick crop mat. Plus, long, retractable fingers running in-line the full width of the auger, aggressively grab crop material once it's cut. Result: smooth, high-volume crop feeding – even at faster ground speeds.

The stone dam (Flex only) helps deflect rocks, minimising damage, while helping hold material on the platform. Stainless steel deck plates provide a smooth transition between the cutterbar and auger. A short stone dam is standard on all HydraFlex platforms; a tall stone dam is available for rocky, uneven paddocks and no-till soybeans.



Segmented skid shoes (standard on HydraFlex platforms) provide more flexibility for ground-hugging harvests so you can reduce paddock losses in down or tangled crops.



Header Height Sensing (HHS) helps maintain consistent off-ground cut height in uneven ground. HHS is standard on HydraFlex platforms, optional on rigid platforms.



The heavy-duty epicyclic knife drive increases drive capacity and improves reliability. The straight-line oscillation makes the drive run smooth.



Smooth performance in windrows

No matter how rough the paddock or how thick the windrows, the 615P Belt Pick-Up gives you smooth, complete gathering of windrowed grain, thanks to a variety of exclusive features and innovations.

Start with the belts themselves. Four, 1,130 mm (44.5 in.) rubber belts provide improved performance over designs using more belts – you’ll see tighter tracking, plus reduced seed loss. Connectors between the belts increase drive capacity, even in tough conditions, without the need for a centre support on the drive rollers. Belts are driven by dual hydraulic motors, not a mechanical/hydraulic combination, for fewer moving parts and increased reliability.

Dual-belt draper pickup.

Increased belt pickup lengths deliver smoother material flow into the auger. And the added transfer belt moves crop under the auger for more controlled material handling in large, dense windrows.

Hydraulic adjustable windscreen.

Maximise productivity. Maintain crop. The windscreens allow you to adapt on the fly – all from the seat of your cab – to control crop flow into the pickup during changing windrow conditions.



The exclusive **FieldGlide™** suspension features an adjustable air spring and heavy duty hydraulic shock design to dampen movement during field operation and transport, allowing you to increase harvesting speed without bouncing the platform over windrowed crop. No tools required – simply set the air springs quickly and easily. Once set, the air springs don’t need adjustment during the season.

The 615P Belt Pickup has a new feature that will delight canola producers. The slug removal software improves the process used to take out slugs. By delaying the belt engagement after reversing the feederhouse, we’ve made harvesting even easier in challenging conditions.

600R – Premium features in base from 4.80 m to 10.7 m

600R – the economical solution with premium features in base

More than 650,000 600R headers have been built since 1996. The design has been well tested and continuously improved over the years to offer outstanding reliability. It offers industry-leading features like the possibility to adapt the table length mechanically to the crop. Control of the header is integrated into the joystick and provides automatic control of stubble height, lateral tilt and ground pressure modes. Up to three different header height and reel positions can be saved via the Resume Buttons on the joystick.



1
Three manual adjustable cutterbar positions
The cutterbar position can be mechanically adjusted to match your prevailing crop conditions. Match the capacity of your header to the crop yields and straw length you usually have.



2
Rust-proof feeder plates
Stainless steel feeder plates guarantee smooth and even crop transport and will never rust.



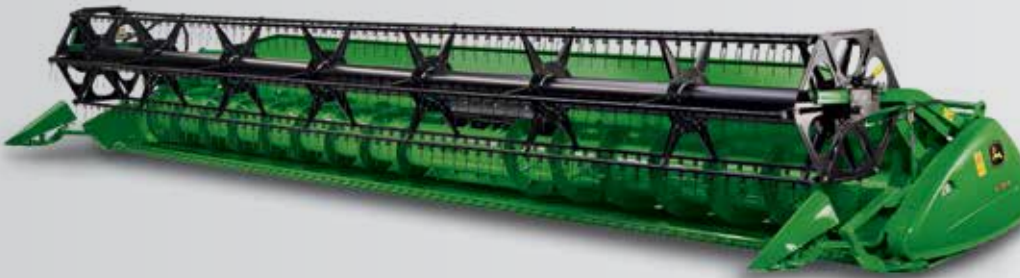
3
Smooth feeding
Retractable fingers are positioned over the full width of the auger for smooth, even feeding. Retainers prevent any broken fingers from entering the combine.



4
High crop capacity
The large diameter of 660 mm paired with high 125 mm auger flights allows the header to handle high volumes of crop with a smooth and constant feed to the combine. The crop is fed with less revolutions which reduces wrapping and preserves grain and straw quality.



5
Schumacher EasyCut II knife - one of the best systems in base equipment
The bolted knives are contrary mounted with one side up and one side down giving a self-cleaning effect. With this high frequency cut high forward speeds are possible. Green stalks or weeds are less of an issue. The bolted knives are easy to change and break less due to special hardening. The alloy steel double guards with special hardening bend less and last longer.



6
Bottom protection skid plates
The bottom protection skid plates avoid stone damage and reduce bulldozing in wet or soft ground conditions. Choose heavy duty over the regular plates if abrasive conditions and down crop conditions prevail in your area.

7
Ground following
Up to 5 height sensors for optimum auto header control (from 6.7 m).

8
Choice of crop dividers
The short, foldable version allows fast conversion to the transport position without using tools.

9
Heavy-duty drives
The auger is driven by a strong chain with a slip clutch to protect the drive in case of crop plugging. The knife gearbox is driven by a belt for smooth, vibration free cutting.



10
The knife drive gearbox
The Epicyclic knife drive provides linear knife movement meaning less wear on the knife due to no forward/reverse movements. The high cut frequency means less torque. The transmission is maintenance-free.



20 minute crop conversion

The 600R header can be adapted for both canola and sunflower harvesting. Conversion takes up to 20 minutes and is easy and convenient.



1
Excellent contour following
 With up to 6 individual height sensors the 600X header will deliver the ultimate performance in all crop types and terrain no matter how challenging conditions may be.

2
Green on Green Solution
 The table length can be adjusted on the joystick, the Table Length Advisor gives you the right table length for your crop. All settings can be saved on the resume buttons on the joystick to easily recall the right setting for cutting height, reel height and table length.

3
Superb night-time visibility
 If your harvest is running into the night there's no need to slow down. With the optional stubble lights you can see how well you're cutting right through the night.

4
Integrated toolbox
 An optional toolbox holds valuable items like knives or finger sections to have them on hand in case needed after hitting a stone.

5
Lightweight clip-on side knives
 Weighing just 15 kg the side knives are a third of the weight of traditional canola knives. As they are driven mechanically, no large motor is mounted on the top which reduces shaking and wear.

6
Excellent ground following
 With Automatic Height Control sensors placed close to the cutter bar knives (4 on smaller headers and 6 sensors on headers 10.7 m and larger), the 600X hugs every contour, picking up crop in the most challenging conditions.

7
High capacity auger
 On headers 10.7 m and larger, the auger is split at the centre for smoother crop flow when harvesting high yield crops. The special auger flight design and sealing prevents wrapping at the auger bearing.

8
Smooth direct drive knives
 The knives are driven by cardanshafts instead of belts or chains. It increases the lifetime due to reduced wear. On the 10.7 m and larger headers the knife is driven from both sides in a synchronised manner which means wear is reduced and cutting speed can be maintained.

600X – ultimate extendable multi-crop header

The innovative 600X sets a new standard for multi-crop small grain headers in every critical area: Changeover between crops can be done in less than 3 minutes without the need for tools. Grain loss is typically less than 1% in canola* thanks to the longest extendable table on the market. And, all the controls are fully integrated with automatic functions for easy set up. It's the perfect header for operators who need fast switching between crops.

The 600X offers innovative features which give you clear advantages:

More time in the paddock:

Fast crop conversion in less than 3 minutes means you can react quickly to changing conditions in different crops and harvest the crop which is currently ready.

Catching more grain

800 mm table extension means true productivity: Very often down crop is laid in one direction and is difficult to harvest. With the 600X you harvest up and down the paddock and change the table length on-the-go. The 1200 mm extension equals the length of a professional canola extension and ensures low shatter losses.



Less than 3 minutes crop conversion

With no belts and no filler plates to mount, switching to canola is quick. Just remove the divider and install the mechanical side knives.

* Technical analysis of different combine header types in canola and grain harvesting, as a basis for a sales strategy, by Michel Allmrodt, Martin-Luther-University, Halle-Wittenberg, Germany.

Appetite for more!

The **S-Series Combines** have a unique feederhouse design that gives you more than enough capacity to take full advantage of the extra productivity you get with these machines, and lets you handle the increased width and weight of the larger heads with ease and confidence.

The **feederhouse** on the S-Series provides large areas of clearance for high volumes of crop to flow uninterrupted, without hesitation. It's all about matched capacity.

Speaking of crop flow, you can expect better engagement of crop, earlier, plus a smooth transition from corn head or platform to the feederhouse chain. The 5-speed feederhouse drives deliver high-torque slip clutch and 101 kW (135 hp) reverser, for more matched capacity.



What's an hour worth to you?

Better yet, what's several hours worth? Over the course of an entire harvest, an hour a day can really add up. With the convenient **platform tilt option** you can lengthen your harvest day by as much as an hour, and cut off significant time on the back end of the season.

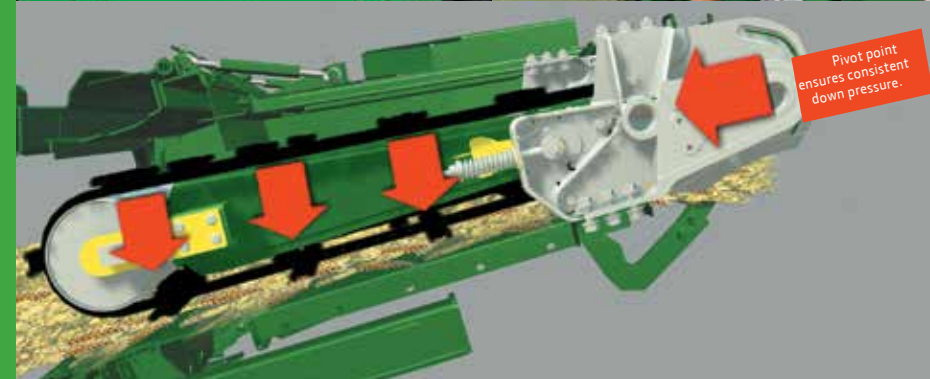
All it takes are a few simple and fast fore-aft adjustments – all managed from the operation station – to ensure your cutterbar is in the right position when tackling tough terrain. With the new optional platform tilt, you can get more done in a day and have fewer days in your harvest. Now doesn't that sound worth it?



Lateral tilt feederhouse – Take Control of Header Tilt

Harvest more grain at faster speeds – in any terrain. The lateral tilt feederhouse is a self-levelling system that allows the feederhouse and header to tilt 4 degrees side-to-side, hugging the hills. Sensors on all platforms and corn heads detect changes in the terrain and signal the lateral tilt controller. Tilt response is instantaneous.

The benefit? More consistency without bulldozing or gouging. And because you can harvest faster on sloping terrain, you stay productive.



- **High-capacity feederhouse.** Provides a productivity boost for your John Deere S-Series Combine.
- **5-Speed Feederhouse Drive.** The durable high-torque slip clutch ensures peak performance and a long life cycle.
- **Better visibility.** The long feederhouse design gives you a full view of the header and the height-of-cut without having to lean forward. You can also see the stubble height behind the header.
- **Feederhouse reverser.** The robust reverser makes light work of stubborn plugs.
- **Single-lever multi-coupler.** Hooking up headers doesn't get much easier than this.
- **Easy adjustments.** The front plate can be adjusted fore and aft to compensate for different tyre sizes, crops, and conditions, ensuring easy transition from the header every time.

Smooth operation - TriStream Rotor

The best of both worlds...high capacity and gentle threshing. That's why the TriStream stands out to corn, soybean and small grain growers.

The TriStream rotor features a slightly tapered front nose, which dramatically reduces the 'growling' that often comes with thick crops and heavy rotor loads. The spiral vanes surrounding the rotor, guide the crop material through the feeding and threshing area, reducing hesitation and improving productivity.



Dual-range separator-drive gives you a wide range of speeds to match conditions. High range provides 380 to 1,000 RPM; low range offers 210 to 550 RPM. Shift one lever to change ranges.

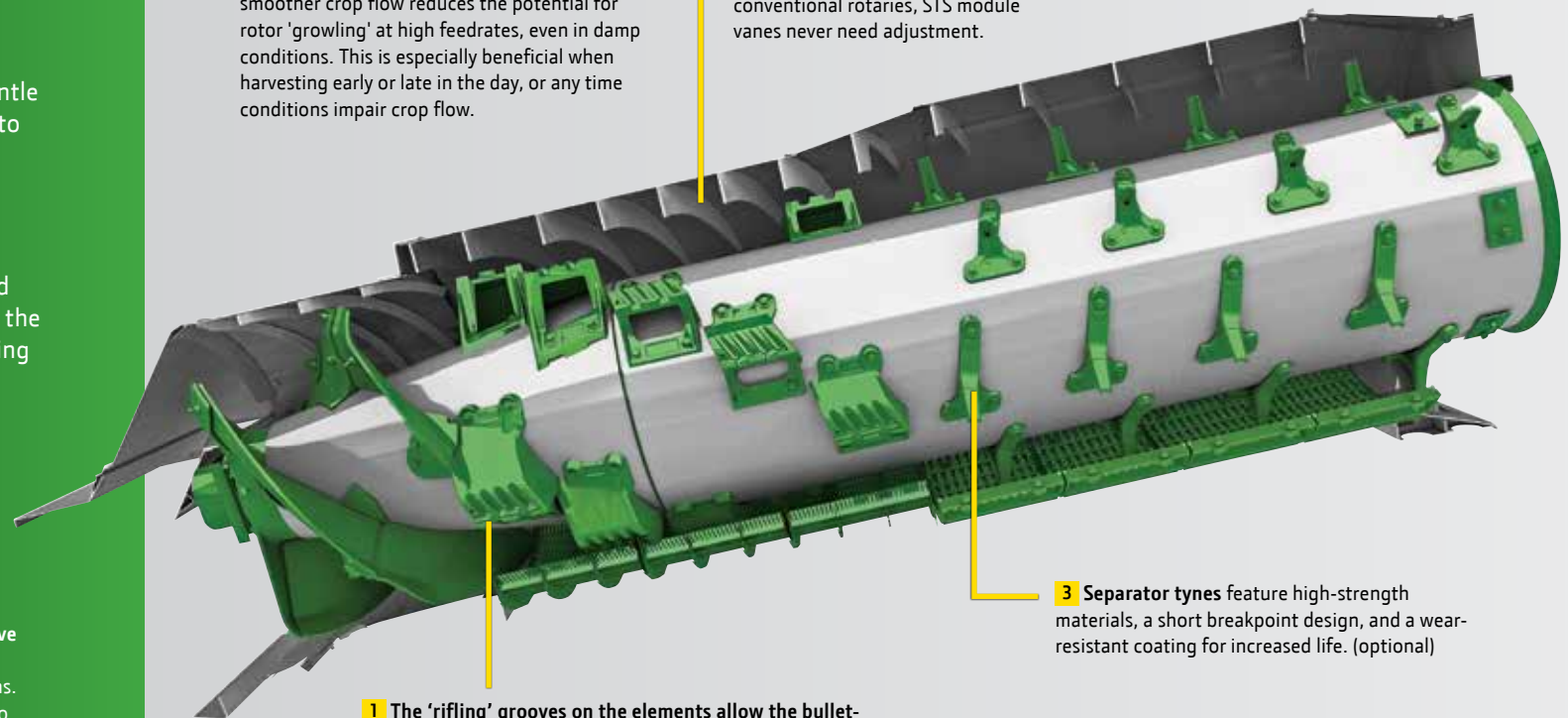


Now you can harvest close to the ground without worry thanks to a true stone trap. It helps catch rocks before they reach the threshing module. Flip one lever for fast and easy cleanout.



The John Deere S-Series module features a conical design. This gives the crop mat room to expand as it travels through the separator module, reducing the chances for roping – and lowering power requirements. The pull-and-release action frees trapped grain in the crop mat, boosting grain savings significantly.

TriStream Rotor Technology reduces the force required to move material through the combine by as much as 20 percent. This easier, smoother crop flow reduces the potential for rotor 'growling' at high feedrates, even in damp conditions. This is especially beneficial when harvesting early or late in the day, or any time conditions impair crop flow.



2 Heavy-duty vanes on the top cover of the STS module help propel the crop rearward through the threshing and separating system. Unlike conventional rotaries, STS module vanes never need adjustment.

1 The 'rifling' grooves on the elements allow the bullet-shaped rotor to move large volumes of crop material through the rotor more efficiently, the same way rifling in the barrel of a gun allows a bullet to move more efficiently. Rifled elements 'grip' crop material, providing a pulling action to help even the crop flow, allowing the rotor to deliver better threshing performance.

3 Separator tynes feature high-strength materials, a short breakpoint design, and a wear-resistant coating for increased life. (optional)

Extended-wear separating package includes factory-installed extended-wear concaves, extended-wear threshing elements and separator tynes, and extended-wear rotor top covers.

Move over envelope. We've completely pushed the package.

Tough small grains and rice packages

Merely pushing the envelope wasn't good enough, because truly tough conditions demand more than simple solutions. Rather than slightly heighten performance in rice, canola, wheat, barley, oats or other tough small grains, we developed packages where your productivity will soar beyond current limitations. So how would you like to raise throughput by up to 20%?

Here's how: our tough-threshing crop packages are designed with four crucial components – (1) Active Concave Isolation, (2) high-performance feederhouse, (3) heavy-duty separator grates with two rows of interrupter bars, and (4) 8-wing feed accelerator. Now, imagine a storm is on the radar and you don't have much time to spare. Well, thanks to this new package, you can go full throttle and still put your tough crop into the machine without any hiccups. Moreover, with the tough small grains package, you get up to 10% more combine capacity in small grains, while maintaining your loss level.



Let's explore how each aspect of the small grains and rice packages function...

1 High-performance feederhouse

With the tough small grains package, the front feed drum provides you with 51 mm (2 in.) of additional movement for greater flexibility when dealing with challenging crop.

2 Active Concave Isolation

In the past, concaves have all been mechanically suspended. Not any longer. Active Concave Isolation now applies hydraulic pressure to better secure the concave. This helps provide the extra stability when harvesting really tough crops.

3 Heavy-duty separator grates (with interrupter bars)

Heavy-duty separator grates offer higher wear life and greater uptime for challenging conditions. And the dual-row interrupter bars help break up crop mat for superior separation.



3

Variable Stream Rotor

Building on the proven performance of our TriStream rotor, we've added another opportunity for our small grain and rice operators - the Variable Stream rotor. It too delivers high capacity and smooth performance.

The longer, more tapered front cone design make this rotor well-suited for rice, where conditions are damp, wet, or extremely green. The rotor is also recommended for small grains and rice where the material is tough. The vane angle can be adjusted to reduce the stress on straw material as it flows around the rotor, increasing the quality of the straw.



4 How does 0.2 hectares (0.5 acres) more per hour in harvest production sound? **The 8-wing feed accelerator**, equipped in our variable stream rotor machines, improves material flow in tough conditions for superior throughput.

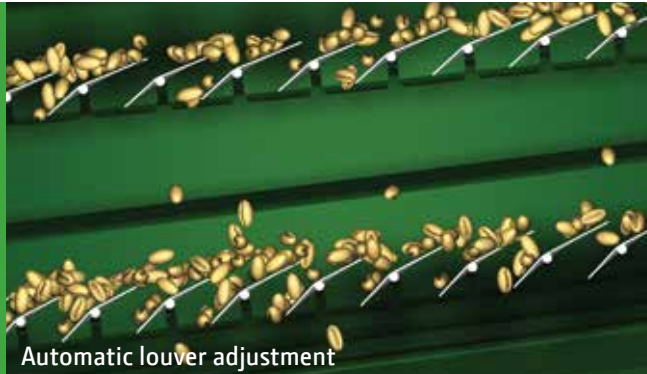
All-New Dyna-Flo™ Plus Cleaning Shoe

Meet your capacity needs

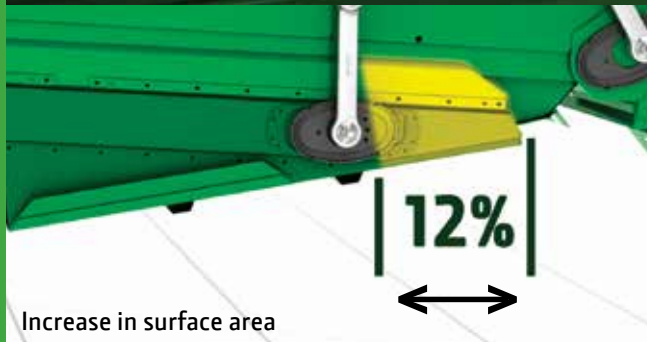
You want no-nonsense cleaning capacity? Here it is. The new Dyna-Flo Plus Cleaning Shoe. Lighter in weight and longer in sieve (12% increase in surface area), the Dyna-Flo Plus jumps capacity like you wouldn't believe.

In shoe-limited conditions, capacity is raised 10% in corn and 13% in wheat and canola. Also, thanks to the additional capacity, you get 0.6 hectares (1.5 acres) per hour of added time. Use it for your Autumn tillage. Or perhaps harvest more hectares in another paddock. Regardless what you do with the newfound time, just remember to thank the extra capacity of the Dyna-Flo Plus.

While you're at it, let's give thanks for the reduction in tailings volume. That's right. The Dyna-Flo Plus knocks down your tailings by as much as 28% to raise your overall speed and productivity. Simply put, this is a cleaning system that does it all.



Automatic louver adjustment



Increase in surface area



Automatic fan speed adjustment



1 Uniform distribution

Four conveyor augers move material onto the shoe steadily and evenly, even on hillsides.

2 Improved fan performance

The fan ensures peak performance and a clean grain sample. A steep pressure curve delivers high pressure with less volume loss. About 30% of the air goes to the front chaffer at high speed; the rest goes to the rear chaffer and sieve.

The dual adjust chaffer adjustment is an added feature offering improved grain tank cleanliness and greater tailing performance.



The new shoe drive features an improved belt that offers double the cross-section of our previous belt and provides twice the tensile strength to tackle the toughest harvesting conditions. For even greater durability and uptime, the bearings, pulleys, and supports have all been upgraded, as well.





3 **2-stage pre-cleaning**
The fixed front chaffer helps thin the crop mat; the raised front chaffer pre-cleans up to 40% of the free grain before it reaches the main chaffer.

4 **Extended design for more capacity.** The huge rear chaffer and bigger sieve are specially designed to handle the threshing and separating performance of the new S-Series.

Active Terrain Adjustment™

Adjust to your environment

When innovation and efficiency meet, this is what you get: Active Terrain Adjustment. If you have rolling terrain or contours on your land, this option was designed with you in mind.

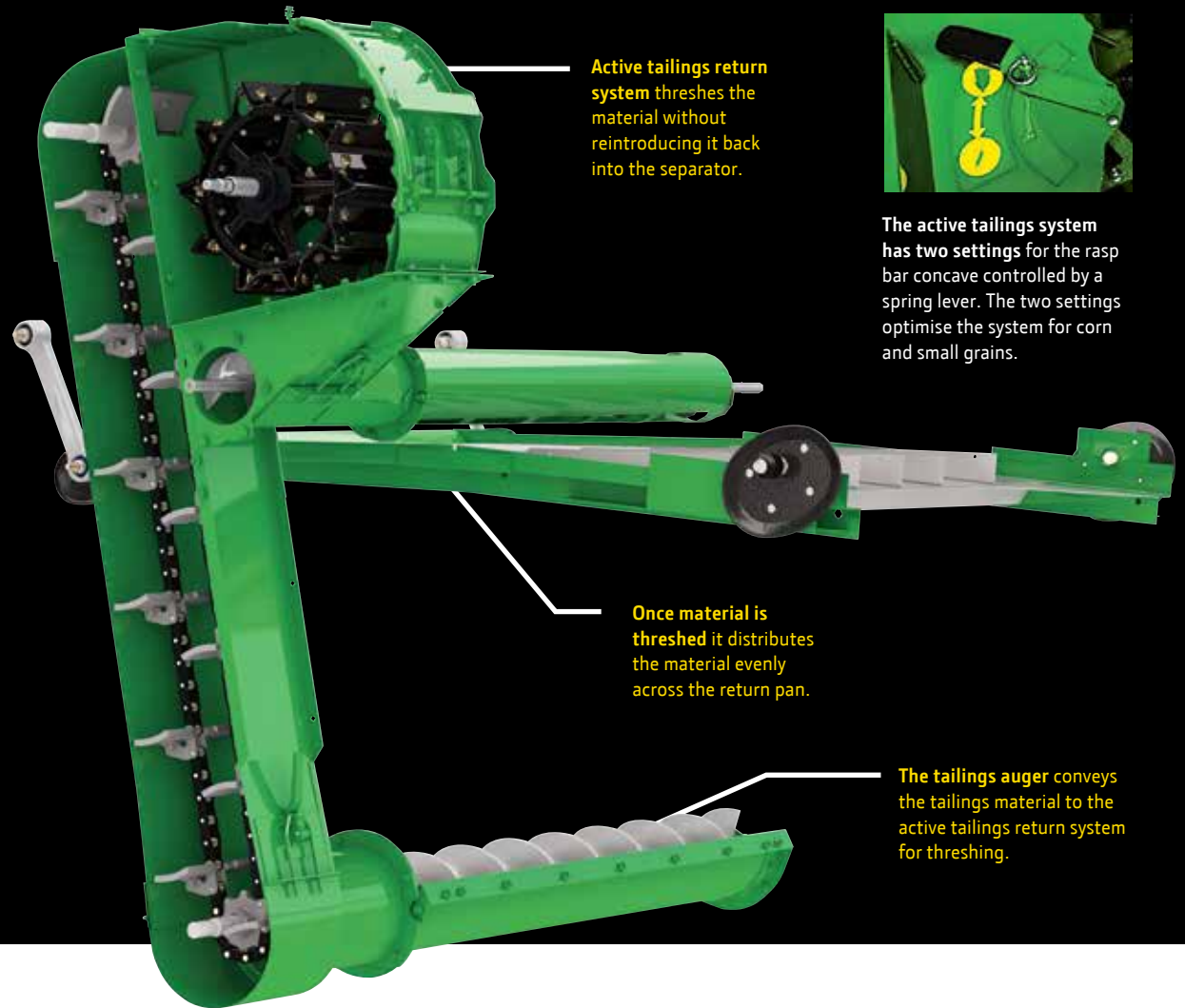
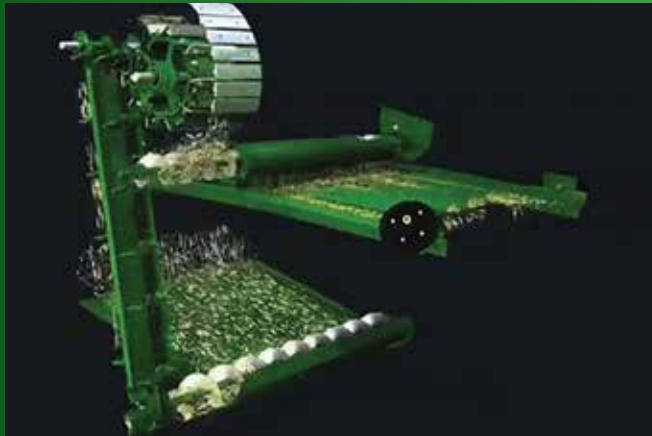
Active Terrain Adjustment automatically adjusts your cleaning shoe settings if you have rolling terrain in your paddock. On inclines, Active Terrain Adjustment opens both the chaffer and sieve, while reducing fan speed to keep grain from going out the rear. And on declines, the chaffer and sieve close, while fan speed increases to keep grain from pushing towards the front of the machine.

So whether you're going uphill or downhill, the combine will maintain ground speed and minimise grain loss with the varying landscape changes. As an added bonus, Active Terrain Adjustment increases total combine capacity on uphill slopes to drastically reduce grain loss. And it reduces your tailings, too. But perhaps the most impressive thing it gives you is a cleaner grain tank sample.



Active Tailings System

Higher capacity with a gentle touch. If you run a large combine and work a lot of hectares, then you'll appreciate the Active Tailings System on the S680 and S690 models. By handling returns that might normally go back to the separator, consuming its performance, it distributes the grain and material back onto the return pan, not to the threshing area, and increases the total capacity of your machine. Better still, it's easy to adjust. Our Active Tailings System uses less aggressive concave settings than the ones in your separator – and handles sensitive crops gently, maintaining grain quality.





Touch, Set, and Go.



With the selection of a crop and the touch of a button or screen, the TouchSet™ automatic combine adjust allows you to fine-tune the threshing rotor RPM, cleaning fan RPM, concave clearance, main chaffer opening, and sieve opening all from the armrest console in the cab, while you're moving.

It comes pre-loaded with a number of factory settings. Plus, you can store one customised setting for each crop setting and a number of personal settings for specialty crops like sunflowers that aren't already pre-loaded.



So you don't have to climb back into the cab, convenient and easy ground level adjustment of the cleaning system is standard on all S-Series Combines.

Grain handling capacity that keeps you running

High yields, tough schedules, and the all-new Dyna-Flo™ Plus Cleaning Shoe. Together, they necessitate a clean grain handling system that can keep up with your harvesting pace. Here's how the S-Series Combines deliver:

14,096 L (400 bu.) grain tank - Our S690 machines boast a 4,052.5 L per minute capacity, in order to attain matched capacity with available front-end equipment.

Fast delivery – 105 seconds (that's 134 L per second) is all it takes to empty the 14,096 L grain tank that's standard on the S680 and S690.

Better handling – The optional 7.9 m (26 ft.) rigid unloading auger pairs ideally with the 12.2 m (40 ft.) platforms and 18-row corn heads, making unloading on-the-go a stress-free operation.

But sometimes stress can come when you're not harvesting ... say, during transport or trying to store the machine. That's where the 7.9 m (26 ft.) folding unloading auger comes in. It reduces overhang at the rear of combine by five feet to give you greater ease and spacing efficiency on the road or in your machine shed.

There's more. With the 8.7 m (28.5 ft.) unloading auger, we've extended reach by 762 mm (2.5 ft.). Doesn't seem like much. But consider with the extra length you can now unload on-the-move with a tractor and grain cart combo that's equipped with dual tyres, while offering greater clearance for 640FD HydraFlex Draper operation, and necessary for 645FD use.



A different kind of cleaning system. While your cleaning shoe handles your grain, our all-new on-board air compressor will keep the outside of your machine looking neat and like new. Located in the engine compartment, the air compressor offers a quick and convenient way to upkeep your combine, which helps with the uptime of your machine.



The John Deere folding unloading auger options shorten the length of the combine, making it easier for you to transport and store your machine. 6.8 and 7.9 m (22.5 and 26 ft.) augers available.



The moisture sensor is mounted on the clean grain elevator on all S-Series Combines. It provides on-the-go, real-time moisture measurement you can count on.

Push to fold



The 10,572 and 14,096 L (300 and 400 bu.) grain tanks on the S-Series combines are available with power-fold extension/covers as an option. Stay in your seat, push a button and the grain tank fountain auger and grain sample trough folds automatically. There's no need to enter the grain tank.



Chop, drop, size and spread

Chopped, dropped or fine-cut...the S-Series Combines feature residue handling systems and options that are designed to take care of your residue management needs.

The S-Series Combines feature a fine-cut chopper. The chopper blades, along with unique air shrouds in the chopper housing, give an ultra-fine cut while generating a strong blast of air for more even residue distribution.

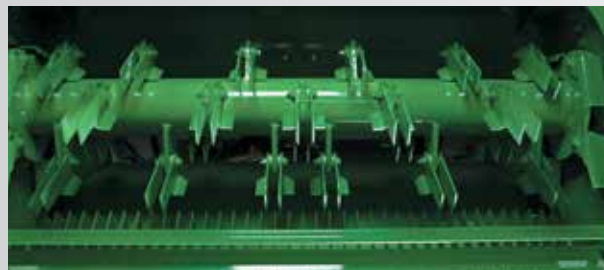
They also feature a manually adjustable vane tailboard design, perfect for spreading residue in widths to 9.1 m (30 ft.). This system is easy to swing up and out of the way for windrowing.

To better manage residue distribution with wider platforms, the PowerCast™ tailboard spreads residue 9.1 to 15.2 m (30 to 50 ft.). This feature spreads residue evenly, which helps you get even crop emergence in the future, especially in no-till paddocks.





The **PowerCast™ tailboard** provides an effective way to manage residue disposal on your wider platforms. PowerCast evenly spreads residue 9.1 to 15.2 m to help with even crop emergence, especially in no-till farming. PowerCast is hydraulically powered and mounts to the rear of the chopper, but all you have to do is relax in your operator seat to set the speed of the system: it's controlled by a button on the CommandTouch™ armrest.



Chopper blades feature large surface wings with long-lasting, wear-resistant material. The wings are positioned to generate maximum airflow to the outer edges of the chopper, giving you a more consistent spread pattern. Fewer blades reduce power requirements and lower replacement costs.

Enhanced residue disposal



The **Advanced PowerCast tailboard and straw chopper** is an option of the premium residue system that gives you additional residue management flexibility. The Advanced PowerCast tailboard contains two hydraulically-driven enclosed discs and a centre divider that moves back and forth in a pendulum motion. A straw chopper, overshot beater, and straw chute complete the premium residue system.

With the premium residue system you can:

- Chop straw and chaff, and then spread both by making adjustments within the cab
- Form a straw windrow while chopping and spreading chaff
- Form a straw and chaff windrow without chopping material
- In-cab shroud adjustment for wind compensation
- At the touch of a button swap the shroud position to match wind direction



Pure John Deere power. Built for one purpose.

Our combine engines are designed and built by us specifically for agricultural use. Unlike truck engines, which are engineered to run at constant RPM for motorway cruising, our engines have stronger casings and bearings to meet the unique and sudden power demands associated with different harvest conditions. We've made more than 7 million off-road engines, so you can be sure your S-Series engine is perfectly balanced for harvesting efficiency and longer life.

We also use the same engine design across all our machines. That means common parts stocking at your dealership for better availability and technicians who are highly knowledgeable, for reliable and rapid servicing.

This engine delivers constant, reliable power, keeping the combine productive in all harvesting conditions. Plus, the John Deere PowerTech engine meets Tier 2 emission regulations.

Extra power. Extra productivity.

All engines feature John Deere's unique Extra Power, which increases engine power as the engine speed reduces under harvesting load. This means you can harvest on-the-limit without any concerns that the engine will stall. You also get a power boost at rated RPM so you can continue to harvest while you're unloading without having to slow down.





ProDrive gives you precise control of your ground speed across two infinitely variable speed ranges. You simply set one range for your typical harvesting speed and the other for transport. All you then have to do is press the button for your chosen range and control the combine's speed within that range by pushing and pulling the hydro lever. There's no need to stop to change gear.

ProDrive also saves you money. Engine Speed Management automatically controls the engine's RPM during road transport. The result is fuel savings of 10 to 20%.



Our 3-speed push button transmission is a simpler and less versatile alternative to ProDrive. With the combine stationary, the operator selects the gear they need by pushing one of three buttons on the armrest.

Precision speed control. Better fuel economy.

The ProDrive advantage

Seamless shifting

When the ground conditions change you simply switch between ranges at the push of a button.

Saves harvest time

You'll no longer have to stop to change gear on headlands, hills and slopes or when exiting paddocks. If you save just 3 seconds per headland turn, depending on your operation, this can easily add up to 2 hours more harvesting time per season!

Easier header attachment

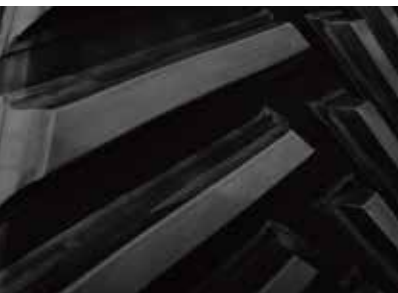
ProDrive gives you more precise control for operations where you need precise control, such as hooking up a header.

Extra torque

When you need more grip you can rely on 95% more torque at 6.5 km/h, 64% more torque across the range.

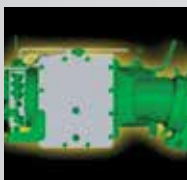
Outstanding traction

If the going gets tough in muddy or soft soils, simply engage the 4-pin, electro-hydraulic differential lock.



The ProDrive™ Ground Drive System

Get more precise, more consistent control of your ground speed throughout the travel range of the hydro handle. ProDrive lets you switch between two infinitely variable speed ranges with the push of a button. Using the CommandTouch™ armrest console, set the first range for typical harvesting speeds, and the second for transport.



Another benefit ProDrive delivers: An electro-hydraulic differential lock with a 4-pinion differential for greater traction in muddy harvesting conditions.

Two-speed 4-wheel-drive lets you switch between torque ranges. In slow-speed mode, the high-torque rear assist is ideal for tough conditions. Use high-speed mode for low-torque performance and faster ground speeds.

All S-Series Combines feature a high-strength axle built from a one-piece rectangular tube welded to the separator uprights. Its load-carrying ability and durability are far superior to the bolt-together designs found on other combines.



The right transmission for you

ProDrive: Automatic efficiency

Seamless shifting. When ground conditions change, ProDrive lets you smoothly shift between two speed ranges with the push of a button. You'll no longer have to stop to shift when going up or down hills or exiting paddocks.

Speed Selection. Set one speed for normal harvesting, the other for faster paddock work or transport. Then select any speed in either range by using the hydrostatic control handle on your CommandArm™ console.

More torque. With power to spare, ProDrive makes light work of tough conditions. It delivers 64% more torque at a harvesting speed of 8 km/h.

Push Button Shift Transmission

Shifting made easy. Our 3-speed Push Button Shift Transmission makes shifting easy. Simply bring your machine to a standstill, select the gear you need by pressing one of three buttons on the arm rest and let the combine do the rest. Our Push Button Shift Transmission applies the park brake automatically to ensure seamless shifting.

Comfort and control. Our Push Button Shift Transmission makes operation easier with features like the automatic park brake. As soon as you pull the hydro level to the neutral position, the park brake is applied giving you more comfort and control and helping you through those long working days.



The heavy-duty final drive is designed and manufactured with a massive, ductile iron housing that provides high load-carrying capability. The single-piece, die-quenched ring gear provides high strength and long wear life. The final drive provides the capacity to handle larger high-flotation tyre options as well as wide draper platforms or large corn heads.



The hydrostatic system includes a variable displacement pump gear driven from the main engine gear case, and a variable displacement motor located on the ProDrive™ Transmission. This provides an infinite speed range in each gear and eliminates ground belts, reducing maintenance.



All S-Series Combines feature adjustable rear axles that let you adjust tyre tread from 3,048 to 3,861 mm (120 to 152 in.) centres in 102 mm (4 in.) increments...ideal for ridge-tillage operations.

Some days just aren't meant for harvesting. Thankfully, there's a lot fewer of those days now than there used to be. The 914 mm (36 in.) tracks option makes sure of that.

The tracks system offers the flotation you need to hover over muddy slopes and through soaked paddocks. A high idler design enhances performance to get you into the paddock when your crop is ready. The idea is to get the job done on your clock, and not on nature's.

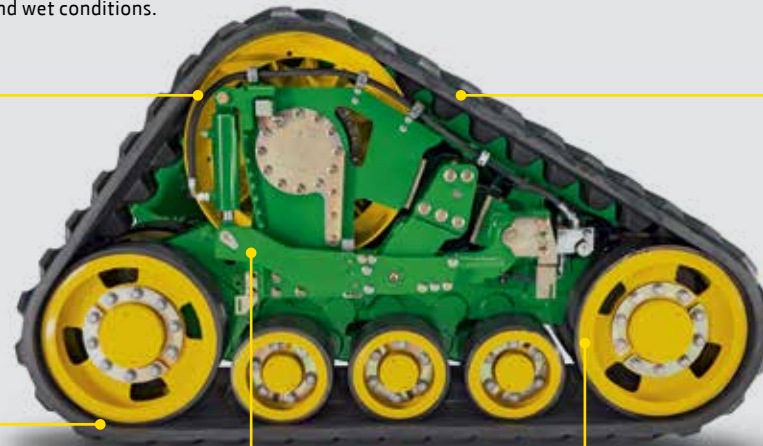
Take the pressure off. Lose the tyres to increase flotation and reduce compaction. It's that simple. Tracks reduce ground bearing pressure, so when conditions are less than adequate, you can still harvest at optimal levels.

Excellent traction

Our tracks are equipped with a positive drive system and do not rely on friction like others. Add to this our Camoplast belt with optimised tread pattern and you'll enjoy better traction in muddy and wet conditions.

Longer belt life

The positive drive system ensures even tension and reduced slippage for improved comfort and longer belt life.



660 mm (26 in.) tracks

Low compaction

With a massive 1.18 m² of contact area per side, the advantages of tracks over tyres are easy to see. You'll be able to keep harvesting in wet conditions when conventional wheel driven machines have long stopped.

Smooth transport

The hydro-pneumatic suspension cushions dynamic loads so you won't feel the road when travelling at high speeds between paddocks.

Even loading

The rollers and central carriage mechanism are independently suspended for more even loading across the entire area of the track that's in contact with the ground.

Maximum traction. All conditions.

John Deere tracks are the only truly floating track systems on the market. This spreads the load evenly over all five traction wheels. So, in challenging conditions, you're still harvesting when others have stopped. It's a big advantage when the weather is unpredictable and the harvesting window is short.

The closed loop hydraulic system also means power is delivered smoothly and evenly. It helps minimise any potential soil damage and ensures excellent traction, even at low speeds.

Thanks to the narrower body of the S-Series, we were able to build tracks that are shorter, but wider with both a 660 and 914 mm (26 and 36 in.) track option*. This gives you an extra large footprint for maximum traction and it spreads the load across a wider area, so you'll also enjoy lower soil compaction and avoid the additional cost of deep tillage. The shorter track length also has the added advantage of reducing soil damage at headlands.

*Tracks are not available to order on all models. See page 43 for specifications.

Automate your corn harvest with AutoTrac™ RowSense™

To get every dollar from every hour and every hectare, consider some of these technology options available from John Deere.

The biggest opportunity for corn growers is the availability of AutoTrac RowSense. It delivers the accuracy and efficiency you expect from AutoTrac even if you're harvesting in down corn, around terraces, or on pivots. Fusing GPS data from the StarFire™ receiver with mechanical feeler data gathered from the row sensors (installed on the row units), AutoTrac RowSense lets you harvest hands-free in down corn, around terraces, or on pivots.

With our satellite-based hands-free AutoTrac system, every pass matches the full cutting width of your corn head. As an added benefit, AutoTrac helps reduce fatigue and stress that can come from a long workday.



When harvesting in other crops, add ease and convenience by using AutoTrac. Both it and AutoTrac RowSense are scalable to the level of accuracy your operation demands. And because all S-Series Combines now come AutoTrac Ready, you can take advantage of guidance efficiencies with little setup.



Keep track of what you're harvesting with the standard Harvest Monitor – view yield and moisture readings on-the-go. Add Harvest Doc™, and record yield, moisture, and production details, as well as create maps and reports to help with next year's planning.



Automated guidance. Whether it's you in the cab or a less-skilled operator, the John Deere AutoTrac guidance system delivers a quick payback. Choose the level of accuracy you need, from 229 mm (9 in.) pass-to-pass, 51 mm (2 in.) pass-to-pass or 25 mm (1 in.) accuracy (with RTK). To make it even easier, all S-Series Combines come AutoTrac Ready for the best integration in the industry.

Sync up your operation

Combine Harvest Automation and Harvest Logistics

Let's get your operation on the same page with the many offerings from MachineSync, starting with Combine Harvest Automation. It creates a network between a fleet of tractors and combines allowing automation that facilitates on-the-go unloading by synchronising tractor speed and direction of travel with the combine. It also provides greater ease of operation with improved efficiency during harvest.

And with Harvest Logistics, productivity gains are credited to the tractor or grain cart operator's ability to be in the right place at the right time with in-field logistics information. The GreenStar™ 3 2630 Display shows in-field logistics including grain tank-fill status, direction of travel, and location for each combine and tractor in the network fleet.

Share and share alike

New Coverage Map Sharing and Guidance Line Sharing

They say communication is key. Never has that been truer than now. Announcing Coverage Map Sharing and Guidance Line Sharing: two new MachineSync functionalities that show the true value of machine-to-machine communication.

Coverage Map Sharing – when paired with overlap control – allows you to see where another machine has already been in the paddock. So if you have multiple John Deere combines harvesting, then you now get a

more accurate calculation of your yield acreage totals. That means visibility to passes, header width, and hectares covered. More importantly, it's information you can trust.

As for Guidance Line Sharing, it cuts down on the time and effort it takes to set your coordinates and get multiple combines lined on your A-B line. Your operation will run more smoothly and more in-sync than ever before.

Documentation. Keeping detailed records is a snap! Every S-Series Combine comes equipped with Harvest Monitor – see the crop's yield and moisture measurements as it's harvested. Information is readily displayed right on the CommandCenter™. Capture and store harvest data with Harvest Doc on your GreenStar 3 2630, then download data later into the Operations Center in MyJohnDeere for future planning.



JDLink™ Connect: Stay in the know ... on the go

Looking for real-time answers to the challenges that matter most? Ask your dealer about JDLink. This advanced, web-based telematics solution comes standard on a new S-Series, from the moment it leaves the factory. And getting started is simple. Just contact your dealer and have them set up your MyJohnDeere account to start receiving the information you've been looking for, such as:

- Machine location – see which machines are in the paddock and where
- Location history – keep track of where and in which paddocks your machines have been running in and what they've harvested
- Geofencing – protect machines against misuse and theft
- Maintenance planning – stay informed of when the next maintenance check is due and the best way to manage it
- Fuel consumption – view how much fuel your operators are using in different operations
- Machine hours – keep track of how long your machines are running
- Machine utilisation reports – set up scheduled reports to receive key usage data
- Machine alert monitoring – farm managers or dealers can be more proactive to machine issues



JDLink Connect

Boost productivity and protect your machines from theft or misuse. The diagnostic capabilities keep your harvesting operations running smoothly and at peak performance.



Remote Display Access saves unnecessary trips to the paddock by providing real-time information directly from the machine's display to your dealer, to another farm operator, or to a trusted advisor making troubleshooting no trouble at all.

Wireless Data Transfer enables your machine data to move easily between MyJohnDeere, the 2630 display and your farm management information system. Best of all, it eliminates the need for manual data transfer.

Machine Specific States gives you the ability to see actual combine settings as you're working in the paddock, including sieve clearance, threshing clearance, and chaffer clearance. You can see combine speeds, as well ... like cleaning fan speed, reel speed, and much more.

Location History offers customers a look into the combine's last 24 hours of activity. If you want to improve efficiency or locate a stolen machine, you'll find all the information here.

ServiceADVISOR™ Remote

With your permission, your dealer can remotely access your machine from the dealership, monitoring trouble codes and diagnostics, as well as updating software. No lost time. Instead, your dealer can respond quickly to your needs and keep you harvesting.

T670 Combine: Quality from start to finish

If producing high-quality straw for baling is as important as the grain, look no further than the T670 Small Grain Combine. We engineered this Class 7 combine to provide straw quality that's second to none, even in tough, high-yielding crop.

We accomplished this by pairing conventional threshing technology with the Tangential Tyne Separator. This approach uses a tangentially mounted separator and a large wrap concave to give thorough separation, yet with fewer opportunities for grain and straw damage. From the threshing system back, the T670 uses straw walkers to gently separate grain from the crop mat.

Aside from a different threshing and separation system, you'll find that the T670 provides you the same excellent paddock performance you've come to expect from its S-Series cousins. Likewise, the cab controls are comfortable and easy-to-use.

The T670 pairs perfectly with the 600 Series HydraFlex™ and Rigid Platforms, the 615P Belt Pickup Platform, and the high-capacity 600D Series Draper Platforms. Simply choose the platform that best complements your operation.



Engine power. The T670 Combine is equipped with the PowerTech™ Plus 9.0 L Tier 2 engine.



Premium Residue Management. Choose long straw for baling or fine-cut chopping. Chaff from the cleaning shoe can be spread separately from the chopper. Need to switch your approach when you move to a different paddock? No problem. The change-over requires no tools.



Tangential tyne separator drum. An innovative over-and-under slat tyne separator drum technology is gentle but effective in small grains.



Straw walker separation. The T670 uses six long straw walkers to gently separate grain from the crop mat. Seven aggressive steps move the material, but with minimal horsepower use.

Looking to squeeze more production out of the day?

+ Add More

There's more to your combine than you know. How much more? Well, that depends. What are you looking to get out of each day, each crop, or each harvest? Whatever the answer, we can help.

Add more convenience, reliability, visibility ...

Make your combine unique by adding quality John Deere attachments and accessories, and get more out of your investment. Whether that's today, with improved performance in the paddock to help cultivate a more robust harvesting operation, or later down the road, when the time comes to trade or sell, so you can get back all that you put in.

From deflector kits, to observation systems, to grain tank sensors, and so much more - your John Deere dealer has you covered with all the parts and attachments you need.



Extended-wear concaves. Double the life of standard concaves with our extended-wear concaves. Ideal for abrasive crops including rice, edible beans, high-yielding irrigated crops, and hard-to-thresh crops.



Crop divider extensions. Crop divider extensions for the 600 Flex Draper and 600 Flex Auger Platforms knock down significantly less crop enabling the head to pick up more crop on subsequent passes. Available for new and prior model-year units of the 600F, prior-to-2016 models on the 630FD, 635FD, and 640FD. Not compatible with 645FD.



Additional grain tank sensor. The fast easy way to let you know when your combine's grain tank is full when harvesting on sidehills.



In-cab mobile devices mounting brackets. We've made it easier and more convenient for you to have hands-free access and improved viewing of your iPad, iPhone, or other mobile device from the seat of your cab. They're easily accessible and don't interfere with visibility and machine controls. Even better, they're customisable to fit your specific cab needs.



Sidehill performance kit. Improve combine performance on sidehill slopes up to 8° (14%) by reducing cleaning shoe grain loss to acceptable levels. Kit includes tall chaffer dividers, exclusive grain agitators, and grain pan diverters.



Camera observation system. Get a clear bird's eye view of your important combine functions on the go. Ideal for improved visibility of your grain tank and sample as well as during unloading into tall grain carts or trucks.

Combines Specifications

MODEL	S660	S670	S680	S690	T670
ENGINE					
Type	John Deere 6-cyl. 9.0 L		John Deere 6-cyl 13.5 L		John Deere 6-cyl. 9.0 L
Engine tier level	Tier 2				
Displacement, L (cu. in.)	9.0 (548)		13.5 (824)		9.0 (548)
Fuel capacity, L	946		1,250		800
Cooling	Air-to-Air Aftercooler				
Rated speed (RPM)	2,200		2,100		2,200
Rated Power power, kW (hp)	239 (320)	278 (373)	353 (473)	405 (543)	278 (373)
Max power, kW (hp)	272 (365)	317 (425*)	402 (540)	460 (617)	317 (425)
Power boost @ rated speed, kW (hp)	25 (34)		37 (50)		25 (34)
FEEDING					
Drive type	Fixed or Variable	Fixed or Variable or MultiSpeed	Fixed or MultiSpeed		Fixed
Conveyor chain slat type	Cast Iron				Under shot-slat
Width, mm (in.)	1,397 (55)				1,664 (65.6)
Length, mm (in.)	1,727 (68)				1,854 (73)
Feed Accelerator Stone Trap (FAST)	Standard				
Reverser	Standard				
THRESHING/SEPARATING					
Separator type	Rotary				6 Walker
Rotor length, mm (in.)	3,124 (123)				3,251 (128)
Rotor diameter, mm (in.)	762 (30)				660 (26)
Rotor speed range, RPM	210-1,000				240-990
Concave area, m ² (in. ²)	1.1 (1,705)				1.25 (1,937)
Total cleaning area, m ² (in. ²)	5.1 (7,905)			5.9 (9,145)	6.27 (9,719)
Discharge grate area, m ² (in. ²)	0.36 (555)			0.45 (698)	n/a
CLEANING					
Front chaffer, m ² (in. ²)			0.5 (801)	0.6 (930)	
Front chaffer extension, m ² (in. ²)	N/A		0.8/1224		N/A
Chaffer, m ² (in. ²)			2.5 (3,824)	3.1 (4,805)	
Sieve area, m ² (in. ²)			2.1 (3,255)	2.6 (4,092)	
Total cleaning area, m ² (in. ²)	5.1 (7,905)			5.9 (9,145)	6.3 (9,719)
Cleaning fan speed (RPM)	620-1,350				550-1,350
GRAIN HANDLING					
Grain tank size, L (bu.)	10,572 (300)			14,096 (400)	10,572 (300)
Unloading auger length, m (ft.)	6.9 (22.5), 7.9 (26) or 8.7 (28.5)				
Unloading rate, L/sec. (bu./sec.)	120 (3.3)			135 (3.8)	115 (3.3)

Specifications and design subject to change without notice.

*Max engine power of S670 is managed via ECU timer.



800/65R32 R1W 172A8 (Firestone) available on S660.



A 580/85R42 R1W dual tyre option is available on a universal rim that can be dished in or out without axle spacers.

Whether you need to curb compaction, reduce rutting, or simply want greater traction when tackling muddy paddocks, John Deere offers you multiple flotation choices. You're sure to find a flotation system that will fit your operation and your budget.

NEW Low Sidewall (LSW) Drive-and-Steer Tyres

You'll find some of the smoothest performance imaginable from our new LSW drive-and-steer tyres. They offer a similar benefit solution as a track machine in a tyre offering. That means you get superior traction and flotation when harvesting in soft, wet soil conditions. Also, they greatly reduce compaction and stubble damage to the tyre. If that's not all, the LSW tyres allow you to maintain transport speed without tyre hop.

	S660	S670	S680	S690	T670
DRIVE WHEEL					
520/85R42 R1 Duals 157A8	X	X	X	X	
520/85R42 R2 Duals	X	X			
580/85R42 R1W Duals 166A8	X	X	X	X	X
650/85R38 R1W Duals 173A8	X	X	X	X	
800/65R32 R1W 172A8	X	X			X
800/70R38 R1W 173A8	X				X
900/60 R32 176A8					X
IF1250/50R32 CFO R1W	X	X	X	X	
IF520/85R42 CFO R1W	X	X	X	X	X
IF 800/65R32 CFO 178A8					X
IF 800/70R32 182A8 CFO					X
IF800/70R38 R1W 187A8 CFO	X	X	X	X	
IF900/60R32 CFO R1 182A8	X	X	X	X	
IF900/65R32 CFO R2 191A8	X	X	X	X	
LSW1100/45R46 195D R1W	X	X	X	X	
LSW1250/35R46 195D R2	X	X	X	X	
VF520/85R42 CFO R1W 177A8 Duals	X	X	X	X	
TRACKS 660 and 914 mm (26 and 36 in.)					
ProDrive™ Transmission required		X	X	X	
STEERING WHEEL					
500/80R28 176A8					X
540/65R30 168A8					X
600/65R28 168A8					X
600/70R28 R1W	X	X			
600/70R28 R1W 164A8		X			
23.1R26 166A8 R1	X	X	X	X	
620/75R26 R1W 166A8	X	X	X	X	
750/65R26	X	X	X	X	
750/65R26 R1W 169A8		X	X	X	
LSW IF710/60R30 CFO R1W 177D	X	X	X	X	
VF520/80R26 CFO 168A8	X	X			X
VF620/70R26 CFO 173A8	X	X	X	X	X
VF620/75R26 R1W 172B	X	X	X	X	
VF710/65R26 R2 177D	X	X	X	X	
VF750/65R26 CFO R1W 177A8	X		X	X	
VF750/65R26 R1W 177B	X		X	X	

Specifications and design subject to change without notice.

You wake up every morning
thinking about your bottom line.
So do we.



As dawn breaks, you're ready to grow your operation. So are we. We work to know you — to understand what you face in the paddock, and to help you get the most out of what you put in. Along the way, you can count on us for flexible financing — to structure payments and provide terms that fit you, and your business.

John Deere Financial. There at the start — and end — of every day for you.



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