S-SERIES *COMBINES*

S760, S770, S780, S790

JOHN DEERE



It's time to Harvest. Smarter.

A combine derives its name from what it does: combine three separate harvesting steps — reaping, threshing and winnowing — into one. Our new S-Series combines do that and much more. They match the best harvesting capabilities with smart technology to ensure that your harvest is the best possible — year in and year out.

The S-Series has had a long history of harvesting excellence, and that tradition continues with the new S700 Combines. We've kept everything you love about the S-Series and made it even better by adding smart, integrated tools that will let you harvest smarter.

Whatever the conditions or the operator, the new S700 Series Combines automatically give you consistent grain quality. This gives you the confidence that your combine is compensating for changing conditions, even when you can't see them.

The S700 Series Combines. Set. Harvest. Done.




















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*Visit **www.JohnDeere.com/Combines** for more details, or use the online product configurator to build and price an S-Series Combine.*

High-quality grain starts with an S-Series.



The S700 is the result of more than 8 years of bringing more to your harvest. Working closely with our customers, our engineers have responded to their ideas and suggestions.

2012 – Vari-stream rotor
Premium cab
Residue management

2013 – 8-wing Feed Accelerator and Stone Trap (FAST)

2014 – Interactive Combine Adjustment

2015 – Active Concave Isolation
Feederhouse fore-aft platform tilt

2016 – DynaFlo™ Plus Cleaning Shoe
Active Terrain Adjustment

2017 – Active Yield
Foot pegs (base equipment in premium cab)
Factory-installed camera wiring harness from cab wall plate to grain tank, unloading auger and rear view

INTEGRATED TECHNOLOGY
It's easier than ever to collect, view, analyze and share valuable data.
See pages 10-11

REDUCE SETUP TIME BY 10%
With the 4600 CommandCenter™ Display and Extended Monitor.
See page 14

COMFORT AND CONTROL AT YOUR FINGERTIPS
With the redesigned CommandARM.
See page 14





5% MORE GRAIN QUALITY AND 5% LESS LOSS*

With the Combine Advisor™ Package with ActiveVision™ Cameras.

See page 7

ELIMINATE MANUAL CALIBRATION

With Active Yield™.

See page 8

*Compared with previous S-Series Combines

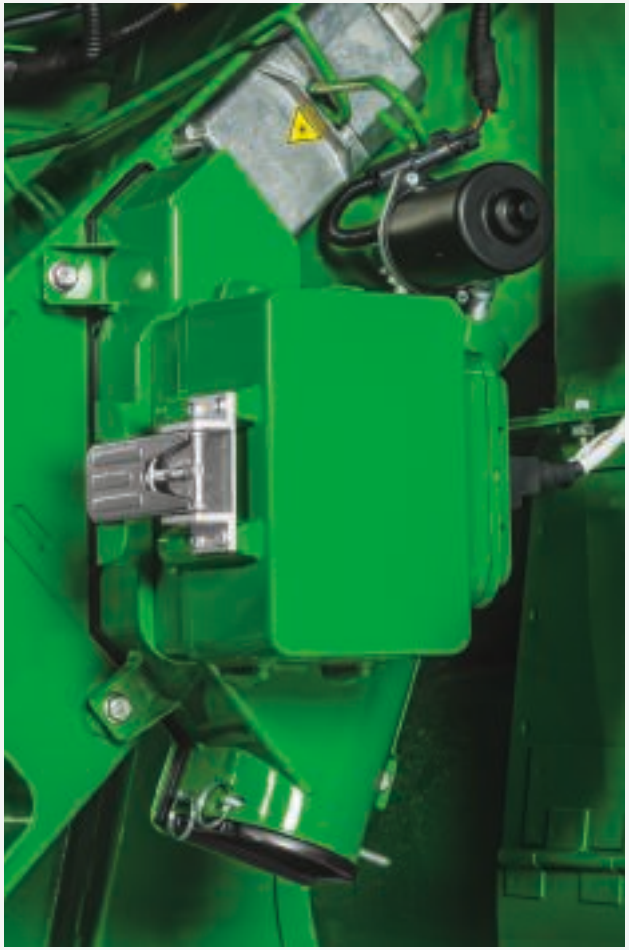
New Combine Advisor™ package

Further improve grain quality and reduce losses with the new optional Combine Advisor package. It automatically compensates for changing conditions like wet straw and weeds, even if you can't see them. This package includes 7 automation technologies to maintain the performance settings you choose — no matter the moisture or crop conditions. You can set it and forget it and your combine will continue to make adjustments as you harvest.

7 technologies to set, optimize and automate your harvest:

- Harvest Setup
- VisionTrak
- Integrated Combine Adjust (ICA) Optimize Performance Wizard
- Active Terrain Adjustment™
- HarvestSmart™
- Auto Maintain
- ActiveVision™ Cameras









ActiveVision™ Cameras

Seeing is believing with the ActiveVision Cameras, which use cameras on the clean grain elevator and tailings elevator to help you see what's going on. A grain analysis feature shows what is free grain vs. FOREIGN MATERIAL YOU WILL SEE AND HAVE CONFIDENCE that the changes you or Combine Advisor made are improving the grain sample, even on-the-go as conditions change.



Get accurate yield data with ActiveYield™

Manual calibrations can take up to 90 minutes, but with Active Yield, it's done with no time or effort away from harvest and will save you time, every day.

With ActiveYield, automatic calibrations occur all day long, eliminating time-consuming manual calibrations. ActiveYield senses the weight of the grain in the grain tank as it lls. The combine uses the weight information to calibrate the yield system continually.

That means you can make decisions in real time — without leaving the cab. More importantly, it gives you more accurate yield mapping. So you know that going forward, your data is the best it can be.

ActiveYield Retro t Kit

Beginning in November 2017, the ActiveYield Retro t Kit will be available for the following combines*:

- BXE10797 for MY16 to the present will be compatible with corn, soybeans, wheat, barley, and canola
- BXE10503 for MY12 to MY15 will be compatible with corn, soybeans, wheat, barley, and canola

* Not compatible with S660 with manual grain tank extensions





JDLink™ and John Deere Connected Support

Your S700 Series Combine comes with one year of JDLink Connect* at no cost and 5 years of John Deere Connected Support.

JDLink Connect opens an automatic, wireless information pipeline between you and your equipment. Agronomic data like yield maps and as-applied data can be accessed away from the eld and shared with your advisors. And sending it from the eld immediately and automatically can prevent you from losing data.

Our S700 Series Combines come with built-in technology to sense potential issues and alert you — or your dealer — wherever you are. With John Deere Connected Support, you get Remote Display Access and Wireless Data Transfer. You can monitor machine fuel levels, location history, receive alerts and even view the in-cab display remotely.

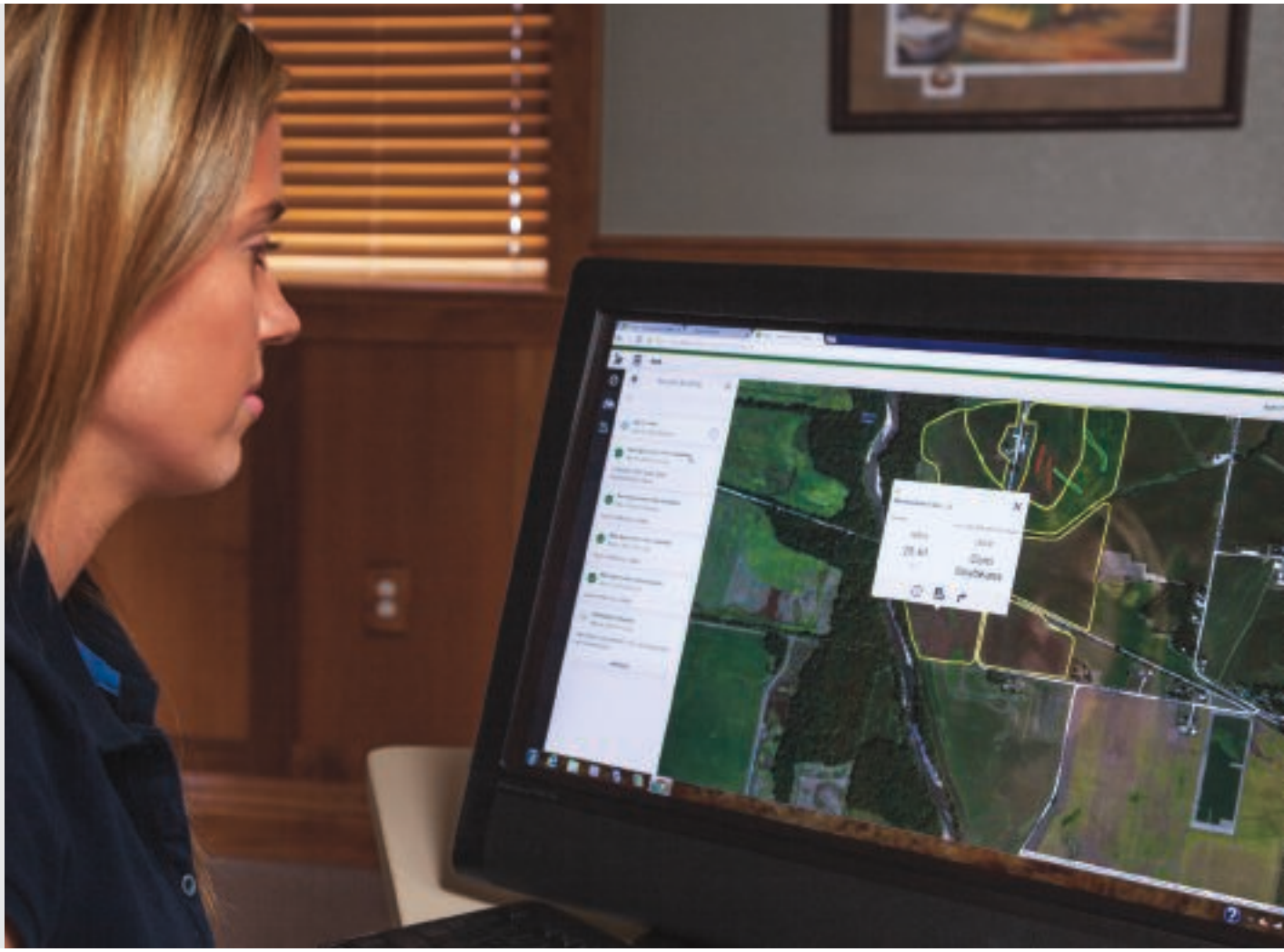
And if you do have issues, remote support is just a call away. Your dealer can monitor alerts, as well as dianose problems or update software remotely to get you back up and running. You can view an operator's screen to resolve a setup issue or make changes during planting without going to the eld. Downtime is also reduced when your dealer can remotely read diagnostic trouble codes.

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

Make next year's harvest even better

Your yield data will be more accurate than ever with your S700 Series Combine. But getting the best yield data is only useful if you can easily access and share it. That's where the John Deere Operations Center comes in. With it, you can turn your data into information that will make next year's harvest even better. Easily share your data with your agronomist, banker or seed rep.

With more than 75 software connected software tools, including the major farm management systems used by agronomists, Operations Center ensures you can choose to transfer your data to who you want and when you want.





Like having your farm in your pocket

4OMETIMES ˇ YOU ˇ UST ˇ NEED ˇ YOUR ˇ NFORMATION ˇ A ˇ YOUr fiNGERTIPS. WHETHER ˇ YOUIRE ˇ driving grain to the elevator or watching your kid's baseball game, you can get the information you need about your operation with our mobile apps.

*MyOperations™ and MyAnalyzer™ **

When you're on the go, use the MyOperations app for daily summaries and INSIGHTS ˇ O fiELD ˇ RODUCTIVITY. AND ˇ FFIE ˇ . Y" NALYZER ˇ PAP ˇ CAN ˇ ELP ˇ WITH ˇ ECISION-making by leveraging historical map layers, as well as harvest summary information.

*Harvest Mobile**

Being able to make decisions about next year's crop based upon an evaluation of this year's crop performance during harvest is a valuable tool. Harvest . OBILE ˇ ELTS ˇ YOU ˇ VIEW ˇ TWO ˇ 1VE ˇ MAPS ˇ ON ˇ AINGLe fiELD ˇ S ˇ YOU ˇ AN ˇ ETERMINE ˇ WHAT ˇ worked well and what did not, all while harvesting.

GrainTruckPlus

. AKE ˇ YOUR ˇ ARVEST ˇ MORE ˇ EfiCIENT ˇ WITH ˇ FFIE ˇ (RAIN5RUCK1 LUS ˇ AP. TRACK ˇ YOUR ˇ trucks, compare elevator wait times and easily share your location. Available on I5UNESš ˇ OR ˇ (OOGLE ˇ 1LAYs ˇ STORE.

** Subscription required.*

For the best harvest – just add guidance

Whether you're in beans, wheat, rice, canola or corn, the AutoTrac* assisted steering system is the extra set of hands you need during harvest. With accuracy levels ranging from +/- 9 inches down to sub-inch, AutoTrac TAKES YOUR HARVESTing efficiency tO THE NEXT LEVEL. UNIVERSITY RESEARCH** shows automatic guidance pays for itself in 2 years or less. And when you add in how much better you feel at the end of a long, but hands-free day of harvesting, you'll know it's worth it.

AutoTrac RowSense™

And for corn growers, AutoTrac RowSense delivers AutoTrac accuracy in DOWN CORN, aROUND TRACES & INTO POints, bY USING (14 DATA FROM THE StarFire™ Receiver with mechanical feeler data from the row sensors. AUTOTRAC ROWSENSE IMPROVES HARVEST efficiency and yield quality, whicH lets you harvest at consistent speeds, even around curves.







* *Activation/subscription required. Some additional accessories and/or components may be required to operate the GreenStar equipment. See dealer for details.*

** *Auburn University, 2010.*



Share and sync

With Machine Sync*, you get an impressive array of precision tools to help your harvest run more smoothly. To start, Machine Sync creates a NETWORK BETWEEN a FLEET OF TRACTORS AND COMBINES THAT HELPS AUTOMATE THE CLEANOUT-THE-GO unloading by allowing the combine operator to control the movement of the tractor and grain CART. YOU ALSO GET IN-FIELD LOGISTICS LIKE GRAIN TANK FILL STATUS AND LOCATION OF ALL COMBINES AND TRACTORS in the network.

Machine Sync also gives you coverage map sharing and guidance line sharing, so you can easily see where another combine has already been and get a more accurate calculation of your yield acreage totals. And with guidance line sharing, multiple combines can share the same A-B line, reducing the time it takes to set coordinates.

**Currently MachineSync for MY18 S700 Series combines requires the use of a GreenStar™ 3 2630 Display, a GS3 MachineSync activation, and a Machine Communications Radio.*

Comfort and control.

Our premium cab is the best place to spend long harvesting days. With excellent visibility to your header and crop, you also have EVERYTHINg yOu nEEd to eASIly cONTROl yOUr mACHINe at yOUr fiNGERTIPS. The redesigned CommandARM, along with the new 4600 Display, delivers easy and intuitive harvest run screens. Shortcut buttons let you customize and quickly toggle between run pages. Plus, the new Extended Monitor works with your 4600 Display to give you more real estate for viewing.

5He rEDESIGNEd mULTIFUNCTIOn cONTROl lEVEr fiTs yOUr hANd pERFECTly to give you smooth hydrostatic speed control. It also controls unloading operations, AutoTrac resume, and header functions.







If you want even more comfort, add the leather package option, equipped with leather steering wheel, lumbar-supported operator seat that's heated and ventilated, and leather instructor seat.



Updated Bluetooth feature.
Improved Bluetooth speaker delivers better mobile device functionality, keeping you hands-free and focusing on harvesting.



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 SWIVEL SEAT ADJUSTS TO FIT you perfectly. Lumbar adjustment gives you just the right amount of back support. There's even an optional heated cushion. And the seat swivels 15 degrees to the right and 7 degrees to the left for better grain tank and auger visibility.



More storage.
HARVEST TIMES MEAN LONG DAYS in the field, 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.



Footpegs.
Included with the premium cab, these footpegs deliver improved comfort during long harvest days.

New Corn Heads excel in all conditions

700C/FC deliver a more productive harvest

You can't offer an incredibly powerful and productive combine and not deliver front-end equipment that can 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. These corn heads perform exceptionally well at higher harvesting speeds, which means you can get done a whole lot sooner. We know that more acres, higher yields and hybrids with tougher stalks are real challenges at harvest. That's why the 700C components are robust enough to chop through the toughest, thickest crop with ease. High-performance gathering chains, stalk rolls, AUGER˘ ˘MID˘ FEEDERHOUSE˘ PROMOTE˘ SMOOTH˘ RIDp flOW˘ and help to make sure every kernel makes it inside the combine. The result? Fewer tossed ears, less ear shelling, and less trash fed through the combine.



Our 700C Corn Heads are equipped with **RowMax** to deliver up to a 50% increase in wear life of row unit gathering chains and sprockets; the stalk roll wear life increases 25% with the new wear coating. RowMax is also available as a kit for 600C/FC 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 700C/FC 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 maximize stalk processing.

Intermeshing Knife. Medium stalk processing uses less power.



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.

700C 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, labor, and additional tractor operating costs. The difference between StalkMaster (right) and a standard corn head (left) is easy to see in the above photo; even easier to see in your fields. StalkMaster is available on the 706C, 708C, 712C, 716C, 718C, 708FC and 712FC Corn Heads.



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

) OW AN OU MAKE SURE OU DONT LEAVE PROfiTIN The fiELD (ET OF KOW THE RUE ULL-WIDTh fLEXIBLE UTTERBAR pTHE 630FD, 635FD, 640FD, and 645FD HydraFlex Drapers. Covering a variety of platform sizes, the 30-ft, 35-ft, 4t -FT Ad 4 -FT MODELs fLEX S INCHES ARROSS THE ULL width of the cutterbar allowing the draper to hug the ground, reaching more beans with every pass. Better still, THE EXCLUSIVE)YDRA' LEx fLOTATION YSTEM ALOWS OU O change the amount of weight of the cutterbar riding on the ground to match soft or hard soil conditions while you cut.





16-Inch High-Capacity Feed Drum. A large feed drum with tapered ENDS AND fLEXing fingers delivERS THE CROP FROM THE ENTER EED BELT INTO THE EEDER HOUSE FOR SMOOTH UNINTERRUPTED CROP floW



Keep an eye on what matters. We designed the 600FD Drapers with swept back rear panels that give you an unobstructed view across the full width of the head. : OU CAN SEE THE CROP AS IT S CUT LEAD fINGER ON THE side draper belts, delivered to the center belt, and fed smoothly into the combine.





Family Values

: OU'LL ^ ND ^ IGH-PERFORMANCE ^ EATURES ^ HROUGHOUT ^ HE ^ LEX ^ RAPER ^ AMILY

/ O ^ MATTER ^ WHICH ^ MODEL ^ LEX ^ RAPER ^ OU ^ HOOSE, yOU'LL ^ ND ^ ALONG ^ IST ^ F ^ IGH-VALUE ^ EATURES. For instance, a wide feed section. The added width allows you to get more crop into the feederhouse and, thanks to a faster center-belt drive-speed, it can handle the higher volumes of crop with no problems. Shorter end dividers help reduce grain loss and crop KNOCK ^ DOWN. AND ^ STRONGER ^ REEL ^ NGERS ^ RE ^ IN ^ LACE ^ TO ^ ETTER ^ ANDLE ^ HARSH ^ ROP ^ CONDITIONS, SUCH ^ S ^ DOWN ^ ROP. LAST, bUT ^ ERTAINLY ^ NOT ^ LEAST, tHE ^ MPROVED ^ EAR ^ REE ^ ON ^ HE ^ REEL ^ NGER ^ SUPPORT ^ UBE ^ EARINGS ^ KEEP ^ YOUR ^ EX ^ RAPER ^ OT ^ F ^ HE ^ SHOP ^ AND ^ KEEP ^ YOU ^ WORKING ^ N ^ HE ^ ELD ^ WHERE ^ YOU ^ ELONG.









Draper Belt Protection System. Integrated into the HydraFlex draper platform, this system minimizes 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 ^ TOWHEels. The two-piecE ^ REEL EATURES ^ A ^ V-cylinder lift system that provides a consistently level reel height across the full width of the cutterbar. This allows even feeding of the crop onto the draper belts.

Side belt. Side belt speed reduction lets the operator SLOW ^ DOWN ^ THE ^ SIDRAPER ^ BELTS ^ AT ^ XED ^ 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 700D 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 ^ O ^ RDOUBLE-FREE ^ OPERATION. PERMA-(LLDE ^ IDVIDER ^ points are designed to minimize outer divider plugging. Performance features also include taller belt cleats, wider belts, and a larger, 16-inch 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 25 feet to 40 feet, you'll have the widest selection of draper heads for the widest range of crops and conditions.







1. **Cutterbar Tilt.** A center-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. **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 630D, 635D and 640D.





New 18-inch top crop auger.
The new 18 inch top crop auger is 50% larger than previous options. This helps to move bushy crops to the center section for smoother feeding. Combine this with the new center section seal kit that reduces center section losses by up to 45% in canola for a winning combination in bushy crops.



New large gauge wheels.
)IGH · PER FORMANCE 14-INCH · GAUGE · WHEELS ·ri DFLEXibility and durability.

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 600 Series HydraFlex™ 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. Four-inch 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 SIX INCHES 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 26-inch diameter auger, with its 5-INCH flighting, TAKES IN A THICK CROP MAT. Plus, long, RETRACTABLE fingers running in-line the FULL WIDTH OF THE AUGER EASILY CLEAR CROP MATERIAL NOT 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 fields and no-till SOYBEANS.



Segmented skid shoes (standard on HydraFlex platforms) provide more flexibility FOR GROUND-hugging harvests so you CAN REDUCE field 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.



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

/ O MATTER HOW ROUGH THE fiELD OR HOW THICK THE WINDROWS, tHE 151 #ELT 1 ICK-6P GIVES YOU SMOOTH, cOMPLETE GATHERING OF WINDROWED GRAIN, thanks to a variety of exclusive features and innovations.

Start with the belts themselves. Four, 44.5-inch rubber belts provide improved performance over designs using more belts – you'll see tighter tracking, plus reduced seed loss.

Dual-belt draper pickup.

Increased belt pickup lengths deliver SMOOTHER MATERIAL TO 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.

Maximize productivity … maintain crop. The windscreens allow you to ADAPT ON THE †Y p ROLL THE EAST OF YOUR CAB p„ CONTROL OR †OW 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 will delight canola producers. A new 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.

High-capacity feeding for corn and beans

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. 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 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.

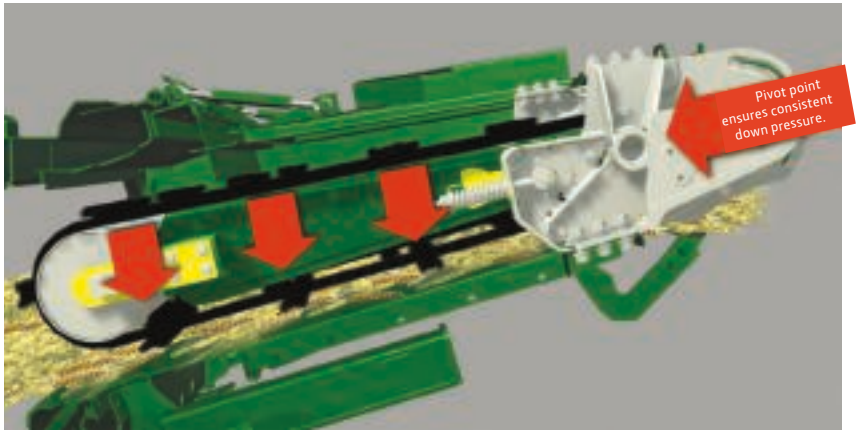


LATERAL TILT FEEDERHOUSE TAKES CONTROL TO HEADER TILT

Harvest more grain at faster speeds – in any terrain. The lateral tilt feederhouse is a self-leveling 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.







- **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 tire sizes, crops, and conditions, ensuring easy transition from the header every time.

Smooth operation – TriStream™ Rotor

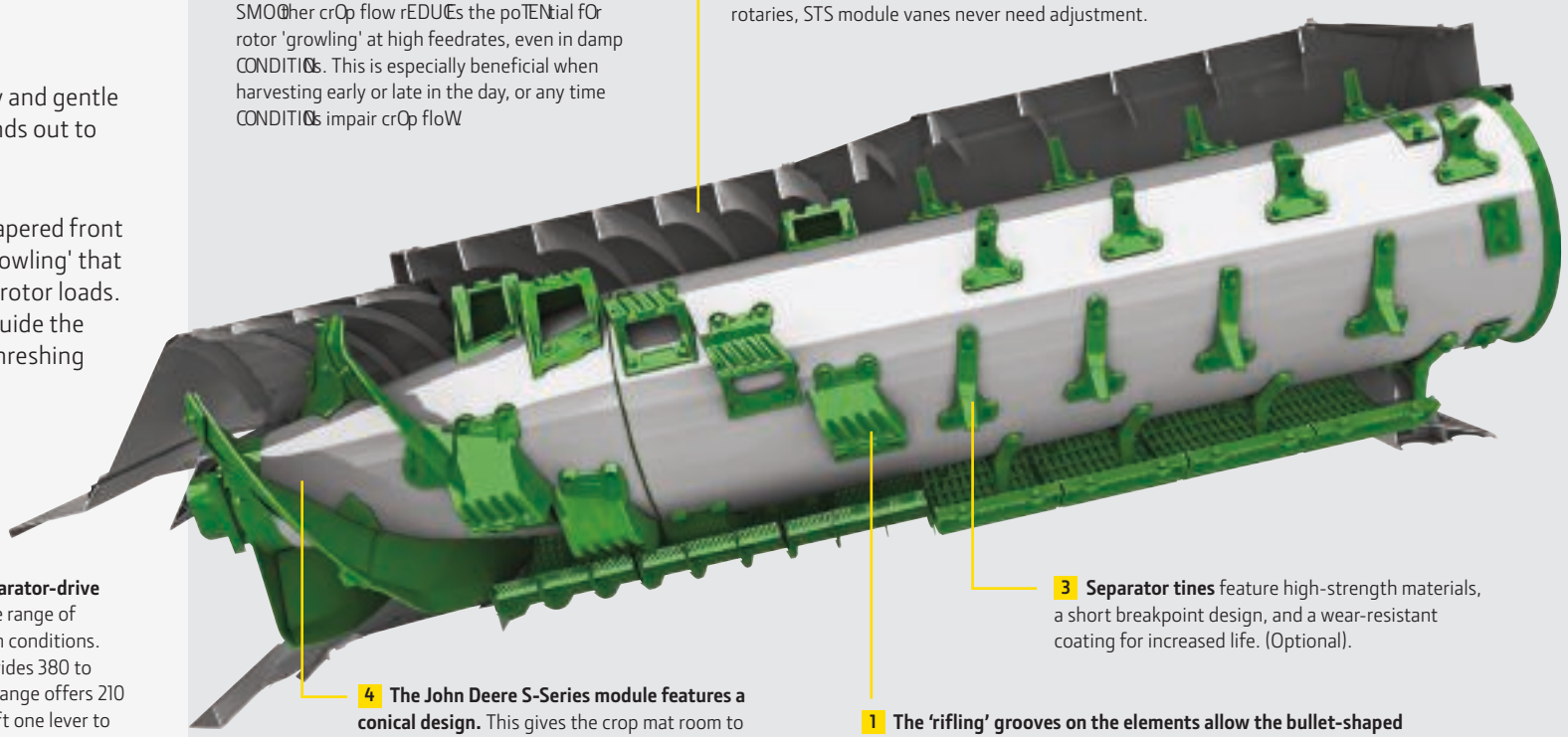
The best of both worlds…high capacity and gentle threshing. That's why the TriStream stands out to corn, soybean and small grain growers.

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.

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.

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

4 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.

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.

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

Raise your throughput by up to 20%

With tough small grains and rice packages

Truly tough conditions demand more than simple solutions. Rather than slightly improve performance in rice, canola, wheat, barley, oats or other tough small grains, we developed packages where your productivity will soar beyond current limitations — an increase of up to 20%.

How? 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. 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.



1 ***High performance feederhouse***

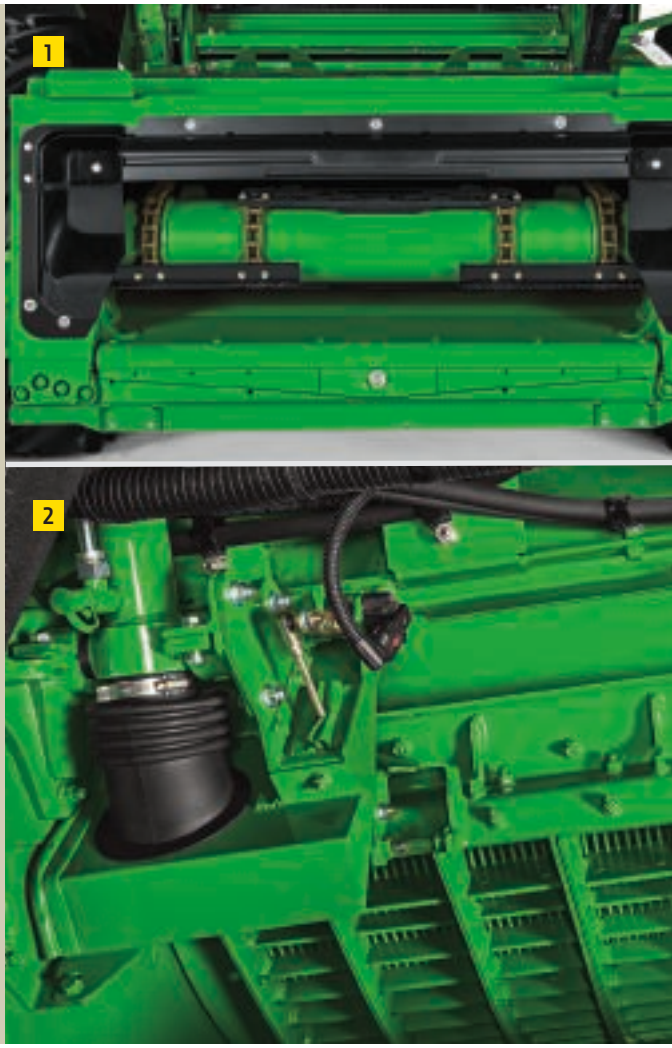
The front feed drum provides you with 2 inches of additional movement for greater flexibility when dealing with challenging crop.

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.



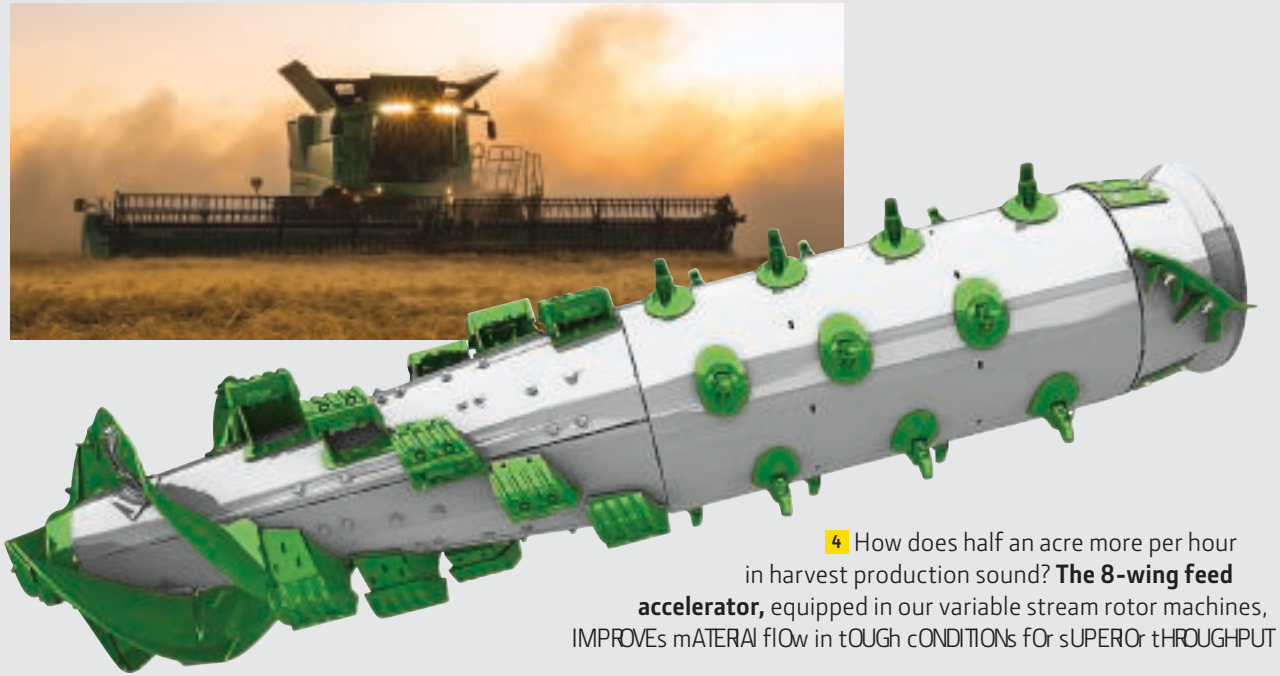


3

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 makes this rotor well-suited for rice, where conditions are damp, wet, or extremely green. The rotor is also recommended for small grains where straw 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.



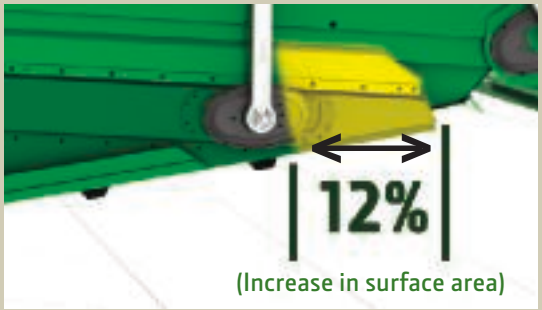
4 How does half an acre more per hour in harvest production sound? **The 8-wing feed accelerator,** equipped in our variable stream rotor machines, IMPROVEs mATERIAl fIOw in tOUGh cONDITIONs fOr sUPERIOr tHROUGHPUT

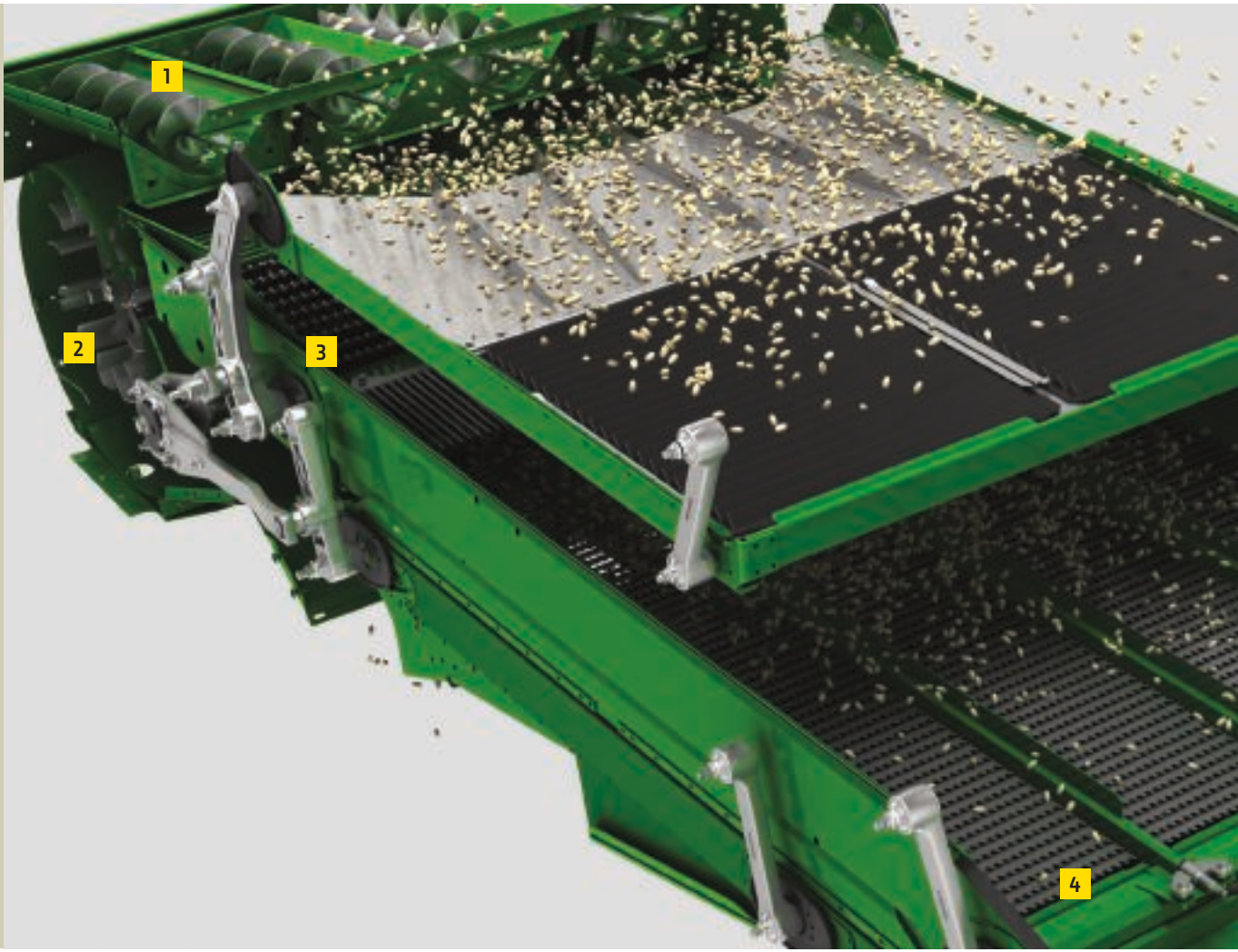
Dyna-Flo™ Plus Cleaning Shoe

Consider your capacity needs met.

You want more cleaning capacity? We've got it with the S-Series. The Dyna-Flo Plus Cleaning Shoe. Lighter in weight and longer in sieve (12% increase in surface area), the Dyna-Flo Plus improves 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 1.5 acres per hour of added time. The Dyna-Flo Plus also 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.







1 *6NIFORM ˜%ISTRIBUTION*

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

2 **MPROVED ˜AN ˜ERFORMANCE*

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.

3 *2-stage pre-cleaning*

5HE˝ ˙EXD˝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 *&XTENDED ˜ESIGN ˜OR ˜ORE ˜APACITY*

The huge rear chaffer and bigger sieve are specially designed to handle the threshing and separating performance of the new S-Series.



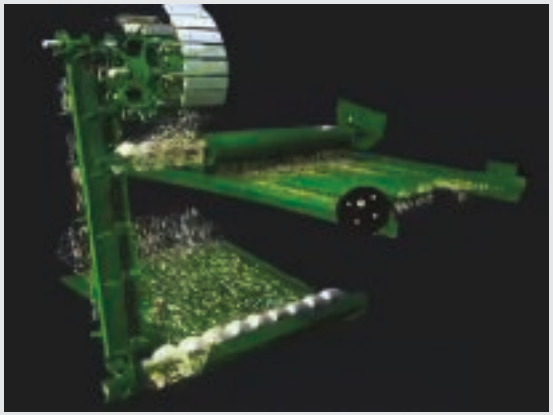
The shoe drive features an improved belt that offers double the cross-section of our previous belt and provides twice the tensile strength to tackle the toughest harvesting conditions. For even greater durability and uptime, the bearings, pulleys, and supports have all been upgraded, as well.

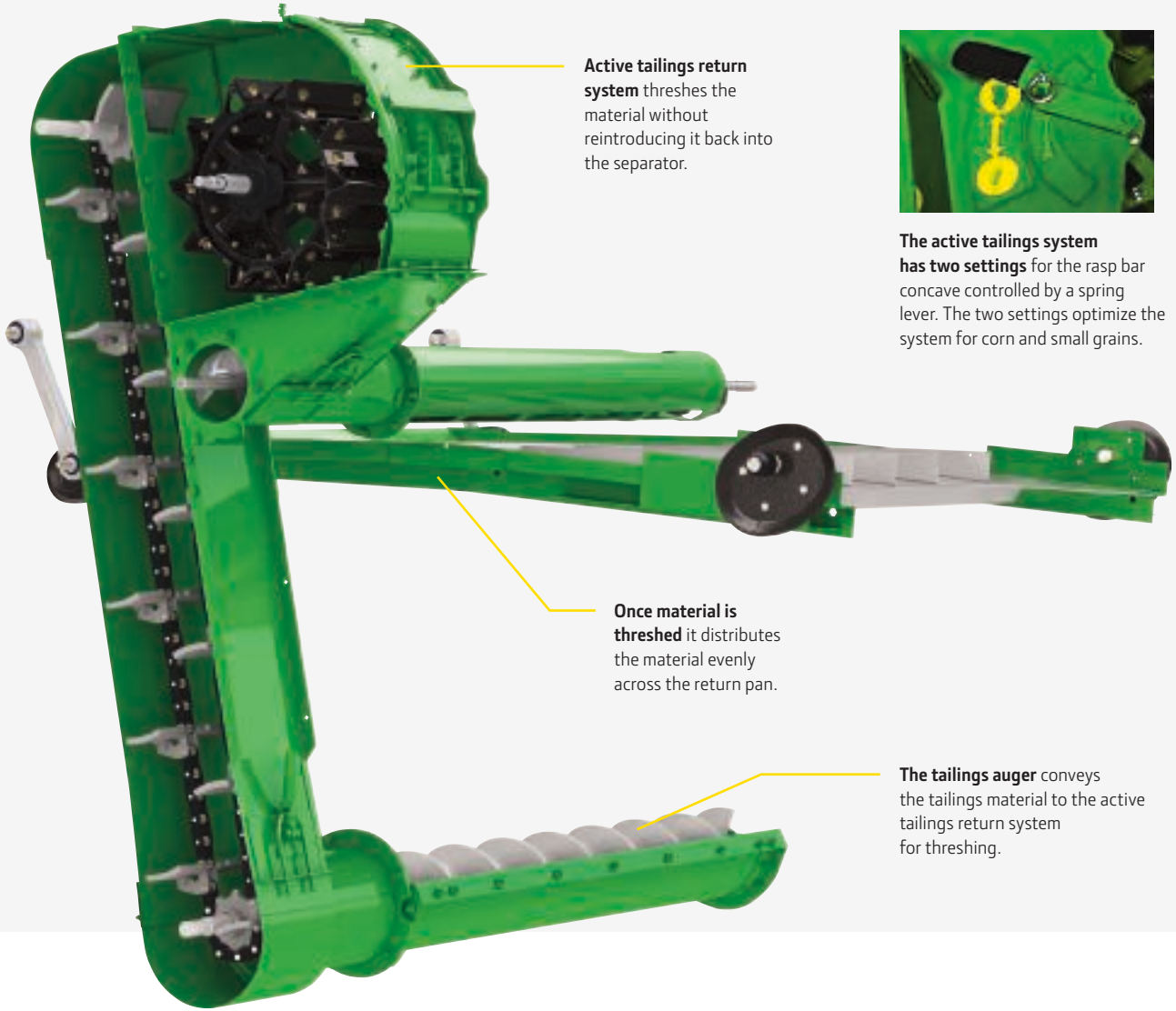


The dual chaffer adjustment is an added feature offering improved grain tank cleanliness and greater tailing performance.

Active Tailings System

Higher capacity with a gentle touch. If you run a large combine and work a lot of acres, 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.





Active tailings return system threshes the material without reintroducing it back into the separator.

The active tailings system has two settings for the rasp bar concave controlled by a spring lever. The two settings optimize the system for corn and small grains.

Once material is threshed it distributes the material evenly across the return pan.

The tailings auger conveys the tailings material to the active tailings return system for threshing.



Grain handling capacity that keeps you running

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

400-bushel grain tank – Our S780 and S790 machines boast a 400-bushel capacity, in order to attain matched capacity with available front-end equipment.

Fast delivery – 105 seconds (that's 3.8 bushels/second) is all it takes to empty the 400-bushel grain tank that's standard on the S780 and S790.

Better handling – The optional 26-foot (7.9 m) rigid unloading auger pairs ideally with the 40-ft platforms and 18-row corn heads, making unloading on-the-go a stress-free operation. With the 28.5-ft unloading auguer, we've extended reach by two and a half feet.

A different kind of cleaning system. While your cleaning shoe handles your grain, our 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 keep your combine free of debris, which helps with the uptime of your machine.



Chop, drop, size and spread

$HOPPED ROPPED Of iNE-CUT... THE 44ERIES Combines feature residue handling systems and options that are designed to take care of your residue management needs.

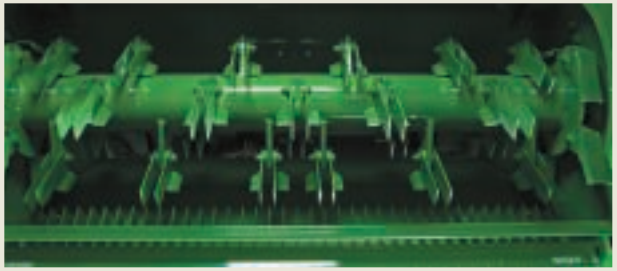
5HE 44ERIES $OMBINES EATURe a fiNE-CUT chopper. The chopper blades, along with unique air shrouds in the chopper housing, GIVE A LTRA-fiNE CUT WHILE GNERATING A strong blast of air for more even residue distribution.







The PowerCast™ tailboard provides an effective way to manage residue disposal on your wider platforms. PowerCast evenly spreads residue 30 to 50 feet 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 CommandArm.



They also feature a manually adjustable vane tailboard design, perfect for spreading residue in widths to 30 feet (9.14 m). This system is easy to swing up and out of the way for windrowing.

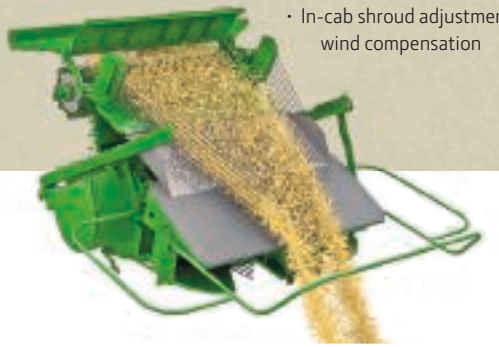
Enhanced residue disposal



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 center 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



Final Tier 4 power is just the start

The most important thing to be in compliance with is our customers. So while a Final Tier 4 engine is necessary, the real priority is offering more power to every harvester.

This robust engine digs deep to power every feature available. Improved power bulge and peak torque. Series turbocharging that jumpstarts performance WITH ADDED BOOST PRESSURE. HIGH-EFFICIENCY AIR-TO-air cooling for greater fuel economy and reduced costs. Plus, high-pressure fuel systems. This is more power where you need it most.

And with the pairing of the cooled exhaust gas recirculation and the selective catalytic reduction, YOU GET AN ENGINE THAT OFFERS A DIESEL EXHAUST FLUID consumption rate of 2%. Eco-friendly, customer-friendly solutions ... that's the value of a John Deere PowerTech engine.



Consistency = More Control

The Isochronous Governor on the S-Series Combines keeps drives operating at a constant speed, enhancing your combine's overall capacity and efficiency.

- **Consistent engine speed equals better durability.**
- **Consistent engine speed equals better hydro control with constant pump speed.**
- **Consistent separator performance**



PowerTech™ PSS Engine: Built to the highest standards ... especially yours

Series turbochargers
Deliver higher power, more low-speed torque and engine responsiveness to meet varying load conditions.

Variable geometry turbocharger (VGT)
Electronic controls open or close variable vanes depending on load and speed. Optimized AIR FLOW GENERATES MORE BOOST ALLOWING FOR QUICKER LOAD RESPONSE, INCREASED LOW-rPM TORque, bettER TRANSIENT RESPONSE AND IMPROVed fluid efficiency.

High-Pressure Fuel System
Enables precise control for start, duration and end of injection; controls fuel injection timing and provides higher injection pressures improving combustion, engine performance and reducing emissions.

CATALYZEd Exhaust filtEr with DOC/DPF
EXHAUST GASES FLOW THROUGH AN OXIDATION CATALYST and filtER TRAPPING PARTICULATE MATER. During normal operating conditions the engine's natural heat oxidizes the trapped PARTICULATE MATER AND CLEANS the filtER.

COOLEd Exhaust Gas RECIRCULATIOn (CEGR)
Precise amounts of cooled exhaust gases are mixed with incoming fresh air lowering combustion temperatures. This improves performance and lowers emissions.

Selective Catalytic Reduction (SCR)
THIS TECHNOLOGY UTILIZES A LIQUID BASED ADDITIVE REFERRED TO AS DIESEL EXHAUST FLUID (DEF). The ammonia in the urea mixes with engine exhaust gases in the SCR catalyst to reduce NOx. THE OPTIMIZATION OF COOLED EGR AND SCR ALLOWS JOHN DEERE MACHINES TO USE LESS FUEL THAN other FT4 solutions.

AIR-to-air afTERCOOLING
POWERS THE TURBO MANIFOLD AIR TEMPERATURE FOR IMPROVING MORE efficienT COOLING and greater engine reliability.



S-Series 13.5 Liter Engine







S-Series 9.0 Liter Engine



The ProDrive™ Ground Drive System

(ET MORE PRECISE, more CONSISTENT CONTROL OF YOUR GROUND SPEED THROUGHOUT THE ENTIRE RANGE OF THE HYDRO handle. ProDrive LETS YOU SWITCH BETWEEN TWO infinitELY VARIABLE SPEED RANGES WITH THE PUSH OF A BUTTON USING THE MyJOHNDEERE armrest console, set the first RANGE FOR TYPICAL HARVESTing speeds, and the sECOND FOR TRANSPORT.

It reduces your combine's engine RPM's during transport while still maintaining a productive ground speed. The result? A 10-20% fuel savings, helping you increase fuel efficiency by UP TO TWO GALLONS an hour.



The right transmission for you

1 RO%RIVE: 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 fiELDS.

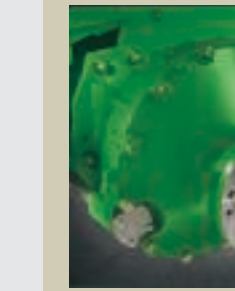
Speed Selection. 4ET ONE SPEED FOR NORMAL HARVESTING, tHE OTHER FOR FASTEr fiELD WORK or transport. Then select any speed in either range by using the hydrostatic control handle on your CommandARM™ console.

More torque. With power to spare, ProDrive makes light work of tough conditions. It delivers 64% more torque at a harvesting speed of 5 mph (8 km/h).

1 USh BUTTOn SHIFt TRANSMISSIOn

Shifting made easy. Our three-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.









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 MOtORQUE PERFORMANCE AND FASTER Ground speeds.



The heavy-duty final drive is designed and manufactured with a massive, ductile iron housing that provides high load-carrying capability. The final drive provides the capacity to handle larger high-flotation tire options as well as wide draper platforms or large corn heads.



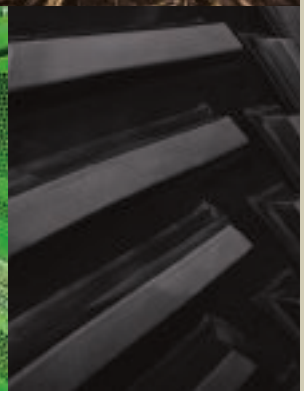
The hydrostatic system includes a variable displacement pump gear driven from the main engine gear case and a variable displacement motor located on the ProDrive™ Transmission. This provides an infinite speed range in each gear and eliminates ground belts, reducing maintenance.



All S-Series Combines feature adjustable rear axles that let you adjust tire tread from 120- to 152-inch centers (305-cm 386-cm) in 4-inch (102-mm) increments... ideal for ridge-tillage operations.







John Deere Tracks for S-Series Combines

Some days just aren't meant for harvesting. Thankfully, there's a lot fewer of those days now than there used to be. The new 36-inch tracks option makes sure of that.

Let's go over this. The tracks system offers the ~OTATION ˇYOU ˇNEED ˇTO ˇHOVER ˇOVER ˇMUDDY ˇSLOPES ˇAND ˇTHROUGH ˇSOAKEd fiELDS ˇ"ˇHIGH ˇTILER ˇDESIGN ˇENHANCES ˇPERFORMANCE ˇTO ˇGET ˇYOU ˇINTO ˇTHe fiELD ˇWHEN ˇYOUR ˇCROP ˇis ready. Because the idea is to get the job done on your clock, and not on nature's.

Take the pressure off. Lose the tires to increase ~OTATION ˇAND ˇREDUCE ˇCOMPACTION ˇ*T'S ˇTHAT ˇSIMPLE ˇ Tracks reduce ground bearing pressure, so when conditions are less than adequate, you can still harvest at optimal levels.

100% versatility. When you use tracks is your decision. (IVING ˇYOU ˇpTHE ˇCUSTOMER ˇpTHE ˇABILITY ˇTO ˇGO ˇFROM ˇTIRES ˇ to tracks and back again was our decision. 'Either-or' simply was not an option.

Get a grip. Need even more traction? Rice lugs are now available for the tracks option to give you better, more RELIABLE ˇFOOTING ˇIN ˇTHe fiELDS ˇOR ˇOTHER ˇEARLY ˇMUDDY ˇ conditions.

Time better spent

Harvest more acres per day with the T670 Combine

The T670 not only increases your productivity and EF¸CIENCY, bUt aLSo iMPROVEs tHe qUALITy of yOUr gRAIn and straw – and that's something you can rely on in every SITUATION. THe pROVEn cROp fIOw sYSTEm dOESNIt bENd or break your grain or straw and offers improved performance in all crops and all harvest conditions. The advanced threshing and cleaning systems now have the largest surface area of its kind on the market.

The T670 delivers up to 15% more capacity in wheat so you CAn wORk fASTEr aNd mORe eF¸CIENTLY. ANd it cOMEs rEADy to roll with precision ag technology.

Pair your T670 with a 700D or 600FD Series HydraFloat™ Draper for serious small grains productivity. The hydraulic height-sensing system lets you increase pressure from the CAb aNd tHe cUTTERBAr wILL flOAt oVEr tHe gROUNd wITHOUt bulldozing.

Fast crop conversion. The time needed to rECON¸GUR the T610 fOr optimum performance when changing crops has been reduced by the redesign of the T670 De-awning Plates (Front Concave Closure Plates) and concave Booster Bar. The three articulated plates close the front three concave bars for more intense threshing in hard-to-thresh crops and conditions where white caps are an issue. Positioning of the de-awning plates can be done quickly without the use of tools. Booster bar adjustment also can be done easily and quickly within minutes.





32% increased serviceability. Improved serviceability means more time for harvest. With fewer maintenance intervals and improved access to service and maintenance points, you'll spend less time on service tasks. Plus, the T670 comes with an optional, factory-installed air compressor. A 16-gal (60L) air reservoir with a 33-foot (10m) hose and 3 air quick coupler points helps keep your combine clean.

15% increased production in wheat. The largest separator of its kind on the market features an unbeatably spacious separation area of 4m^2, that's 18% more surface than previously available. The unique multi-drum threshing system with CROPs flowing aboVe the oVERSHObeATer enSUREs a cONSISTENt crOp flow without sharp bends or abrupt changes in direction. For the new T670, we have further extended the threshing concave by 8 degrees, but kept the same angles and interconnection points to ensure excellent grain and straw quality.

Harvest 15.5 more acres per day. The T670 features the largest cleaning shoe of its kind on the market – a 41 percent increase in cleaning shoe area, which enables ease of adjustment and delivers a more stable performance under changing harvesting conditions. With the Dyna-Flo™ Plus cleaning shoe, there are fewer manual and remote adjustments needed to be done by the operator. The new Dyna-Flo Plus cleaning system reduces tailings volume, particularly the amount of threshed grain in the tailings system.



The John Deere Dealership Promise: Standard with every piece of equipment we sell

In each one of the nearly 2,000 North American John Deere dealerships, YOU'LL fiND A COMMITTED STAFF OF SALES, sERVICE and parts technicians, all dedicated to keeping your S-Series Combine running smooth and strong throughout the entire harvest season.

The John Deere Dealership Promise: Standard with every piece of equipment we sell.

You can't see it and you can't order it, but the John Deere dealership promise comes with your combine to keep it running smoothly all season long. Take a look:

We promise to support your combine with a powerful dealer network that stretches across all of North America.

We promise to have trained parts and service technicians who can help you achieve high uptime and low maintenance costs.

We promise to diagnose and speed needed repairs through the use of the latest computer technology.

We promise tremendous parts support through both our in-stock parts inventory, as well as with JDParts.com.

S-Series Combines let you breeze through your service and maintenance schedules ... STARTING WITH EASY ACCESSIBILITY. GAS STRUTS ON THE SIDE SHIELDS ALLOW VIRTUALLY ALL OF THEIR ROUTINE without any heavy lifting. Service and maintenance points are easy to locate, too, thanks to an uncluttered layout. You can view everything from the separator and cleaning shoe (left side) to THE FILLINGS AND DRAIN VALVES (right side). GREASING THE LUBE BANKS AS WELL. Or choose the automatic grease option. Bottom line: service less, harvest more.









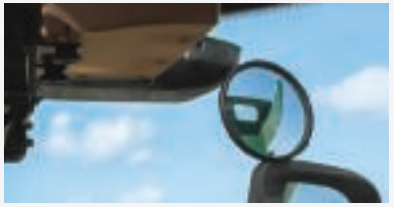
Looking to squeeze more production out of the day?

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.

Genuine and Guaranteed*

Your local John Deere Dealer offers a comprehensive parts inventory, highly-trained service technicians, and the expertise to help you get the most out of your equipment investment. And now, John Deere O.E. M. agricultural parts installed by an authorized John Deere Dealer carry a 12-month, unlimited-hour warranty including labor. If you prefer to handle REPAIRS YOURSELF, all GENUINE JOHN DEERE AG AND TURF parts sold carry a 6-month warranty.



GRAIN TANK EXTENDER MIRRORS

Add grain tank mirrors for improved VISIBILITY to the fill level IN THE GRAIN tank.

- 9&'S €8 – fits all harVESTING CAB MY12-present



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. AND BETTER, they're CUSTOMIZABLE 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.

Additional Grain Tank Sensor

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



Automatic Lubrication System

Save time and labor while increasing the wear life of vital parts The QuickLub® system automatically distributes grease to moving parts on your combine at set intervals within a closed system, eliminating the need and time for manual lubrication. Additionally, the closed system helps prevent any contamination to the grease.





~°° $˝"$ˆ3OW. AXsˆ3OWˆ6NITˆ&RMCEˆ,ITS

Increase wear life of sprockets and gathering chains by 50%, increase wear life of stalk rolls by 25%

• KXE10487 – Factory base on 700C/FC; available for ˝FETROfiT˝O˝.: •2 aND˝EWER˝00$.'.$IS

• Stalk rolls should also be ordered

700D Top Crop Auger Bundles

Smoother feeding in tough crop conditions due to a 50% increase in top crop auger diameter and twice the torque on the top crop auger motors.

~°° %ˆ$ENTERˆ&ECTIONˆ&EALˆ,IT

The center section seal kit minimizes grain loss when direct cutting canola. For the best performance when harvesting cereal grains, it is recommended to remove the left and right side seal components. Reduce center feed section losses on 600D and 700D rigid drapers by 45%.



Foot Pegs

• KXE10454 – Foot peg upgrade kit for improved comfort

• Base equipment with premium cab

Voyager Camera Ready Options

Cameras for MY17 and newer combines

• SWVCMS155B – Camera

• SWVCMS155JD1 – One camera kit

• SWVCMS155JD3 – Three camera kit

Voyager Camera Bundles are available for MY17 and newer combines

Sometimes the best new addition to your fleet isn't new

JOHN DEERE CERTIFIED PRE-OWNED

If you've ever considered purchasing a used combine, this is the ideal time. Besides the impressive fuel economy, comfort, convenience and technology found on all John Deere combines, the value THAT˝OMES˝WITH˝PURCHASING˝A˝OHN˝%EERE˝$ERTIfiED˝ Pre-Owned machine is hard to ignore. Every CPO Combine is covered by a one-year Comprehensive 1 OWER(ARDs * pLAN, gIVING˝OU˝FHE˝OVERAGE˝EINEfiTS˝ of new, with the extra value of pre-owned.

Right now, no one else offers a low-hour combine that's BEEn fiELD˝ESTED, iNSPECTED˝AND˝ERTIfiED˝O˝OVEr 200 points. Top to bottom, front to back, everything from engine performance to wiper blades is put to the test AND˝HOROUGHLY˝XAMINED˝BY˝AOHN˝%EERE˝$ERTIfiED˝ Technician. Add to that a free year of JDLink™† and a +OHN˝%EERE˝$ERTIfiED˝HE˝0WNED˝OMBINE˝ESERVES˝ even more of your attention. New or new-to-you, Nothing Runs Like A Deere.™

* 4EE˝THEOWER(AR˝ROTECTION˝LANONTRACT˝OR˝ALERMs, cONDITIOs, limitATIONS˝AND˝ exclusions.

† 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.

MODEL	S760	S770	S780	S790	T670
ENGINE					
Type	John Deere 6 cyl. 9.0 L	John Deere 6-cyl. 9.0 L	John Deere 6-cyl 13.5 L	John Deere 6-cyl 13.5 L	John Deere 6 cyl. 9.0 L
Displacement (L/cu. in.)	9.0/548	9.0/548	13.5/824	13.5/824	548 cu. in (9.0L)
Fuel Capacity (L/gal.)	950/250	950/250	1250/330	1250/330	800/211
Cooling	Air-to-Air Aftercooler	Air-to-Air Aftercooler	Air-to-Air Aftercooler	Air-to-Air Aftercooler	Air-to-Air Aftercooler
Rated Speed (rpm)	2200	2200	2100	2100	2200
Rated Power (kW/hp) @ Rated Speed - T4	249/333	292/391	353/473	405/543	292/392
Power Boost @ Rated Speed (kW/hp) - T4	274/367	317/425	37/50	37/50	25/34
Rated Power @ -100 rpm Rated Speed (kW/hp) - T4	267/358	313/419	378/507	433/580	n/a
Peak Power @ -200 rpm Rated Speed (kW/hp) - T4	285/382	335/449*	402/540	460/617	n/a
Rated Power (kW/hp) @ Rated Speed ---NON-iT4	239/320	278/373	353/473	405/543	n/a
Power Boost @ Rated Speed (kW/hp) ---NON-iT4	25/34	25/34	37/50	23/31	n/a
Rated Power @ -100 rpm Rated Speed (kW/hp) ---NON-iT4	256/343	297/398	378/507	433/580	n/a
Peak Power @ -200 rpm Rated Speed (kW/hp) ---NON-iT4	272/365	317/425	402/540	458/614	n/a
*S670 Bulge Hp above 425Hp is limited by ECU timer					
FEEDING					
Drive Type	Fixed or Variable	Fixed or Variable or MultiSpeed	Fixed or MultiSpeed	Fixed or MultiSpeed	Fixed
Conveyor Chain Slat Type	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Under shot-slat
Width (mm/in.)	1397/55	1397/55	1397/55	1397/55	--
Length (mm/in.)	1727/68	1727/68	1727/68	1727/68	1850/73
Feed Accelerator, Stone Trap (FAST)	Standard	Standard	Standard	Standard	Standard
Reverser	Standard	Standard	Standard	Standard	Standard
THRESHING/SEPARATING					
Separator Type	Rotary	Rotary	Rotary	Rotary	Multi Drum/Straw Walker
Rotor Length (mm/in.)	3124/123	3124/123	3124/123	3124/123	--
Rotor Diameter (mm/in.)	762/30	762/30	762/30	762/30	--
Rotor Speed Range (rpm)	210-1000	210-1000	210-1000	210-1000	220-990
Concave Area (m2/in.2)	1.1/1705	1.1/1705	1.1/1705	1.1/1705	1.35/2093
Separating Area (m2/in.2)	1.54/2390	1.54/2390	1.54/2390	1.54/2390	4.0/6200
Discharge Grate Area (m2/in.2)	0.36/555	0.36/555	0.45/698	0.45/698	n/a
CLEANING					
Front Chaffer (m2/in.2)	0.5/801	0.5/801	0.5/801	0.5/801	0.6/930
Front Chaffer Extension (m2/in.2)	N/A	N/A	0.8/1224	0.8/1224	--
Chaffer (m2/in.2)	2.5/3824	2.5/3824	2.5/3824	2.5/3824	3.06/9393
Sieve Area (m2/in.2)	2.1/3255	2.1/3255	2.1/3255	2.1/3255	2.64/4092
Total Cleaning Area (m2/in.2)	5.1/7905	5.1/7905	5.9/9145	5.9/9145	6.27/9719
Cleaning Fan Speed (rpm)	620-1350	620-1350	620-1350	620-1350	550-1350
GRAIN HANDLING					
Grain Tank Size (L/bu.)	10600/300	10600/300	14100/400	14100/400	11000/300
Unloading Auger Length (m/ft.)	6.9/22.5, 7.9/26, or 8.7/28.5	6.9/22.5, 7.9/26, or 8.7/28.5	6.9/22.5, 7.9/26, or 8.7/28.5	6.9/22.5, 7.9/26, or 8.7/28.5	7.05/23.5
Unloading Rate (L/sec. / bu/sec.)	116.3 / 3.3	116.3 / 3.3	135 / 3.8	135 / 3.8	115/3.3

Specifications and design subject to change without notice.





Whether you need to curb compaction, reduce rutting, or SIMPLY WANT GREATER TRACTION WHEN tackling muddy fields, JOHN DEERE OFFERS YOU MULTIPLE flOTATION CHOICES TO HELP SURE you find a flOTATION SYSTEM THAT will fit yOUR OPERATION and your budget.



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

Low Sidewall (LSW) Drive-and-Steer Tires

You'll find some of the smoothest performance imaginable from our new LSW drive-and-steer tires. THEY OFFER A SIMILAR BENEfiT SOLUTION AS A TRACK MACHINE IN AIRE 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 tire. If that's not all, the LSW tires allow you to maintain transport speed without tire hop.

	S760	S770	S780	S790	T670
FRONT TIRES					
800/70R38 R1W (GY or FS)	X	X	X	X	
IF900/60R32 CFO R1 (FS)	X	X	X	X	
900/65R32 R2 (GY)	X	X	X	X	
IF1250/50R32 CFO R1W (FS)	X	X	X	X	
650/85R38 R1W Duals (GY, FS, or [Michelin] MI)	X	X	X	X	
580/85R42 R1W Duals (GY or FS)	X	X	X	X	
IF800/70R38 R1W CFO (GY, FS, or MI)		X	X	X	
520/85R42 R1 Duals (GY, FS)		X	X	X	
520/85R42 R1 Duals 157A8 (GY, FS)		X	X		
520/85R42 R2 Duals (GY, FS, or MI)	X	X	X	X	
520/85R42 R1 Duals (GY)					X
800/65R32 (MI or Mitas)					X
IF800/70R32 CFO (MI)					X
900/60R32 (Mitas SVT)					X
IF800/65R32 CfO (MI)					X
800/70R32 CHO (Mitas)					X
800/55R46 R1W (LSW)		X	X	X	
VF1250/35R46 CFO R2 (LSW)		X	X	X	
IF1100/45R46 CFO R1W (LSW)		X	X	X	
36" TRACKS					
ProDrive Transmission required		X	X	X	
REAR TIRES					
600/70R28 R1W (GY, FS)	X	X			
VF520/80R26 R1 (MI)	X	X			
23.1R26 R1 (FS)	X	X	X	X	
620/75R26 R1W (GY)	X	X	X	X	
VF620/70R26 R1 (MI)	X	X	X	X	
28LR26 R1W (GY)	X	X	X	X	
750/65R26 R1W (MI, FS, Mitas)	X	X	X	X	
710/65R26 R2 (GY)	X	X	X	X	
710/60R32 CFO 168 A8 R1W (LSW)		X	X	X	
VF750/65R26 R1W (FS)		X	X	X	
520/80R26 Cerebix (MI)					X
540/65R30 (Mitas)					X
600/65R28 (Mitas)					X

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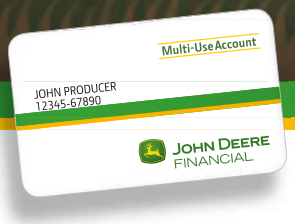
with seasonal terms that allow me to buy now and pay later†

And convenience that helps me get the

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I need for a successful growing season





The **Multi-Use Account** from John Deere Financial is an essential financing solution that provides an additional source of capital, matches my cash flow and helps me get the important things I need to keep my business moving forward — all season long.

Learn more about the full potential of your account at **MyMulti-UseAccount.com or MyMulti-UseAccount.ca**

CROP INPUTS | FARM SUPPLIES | PARTS, SERVICE & ATTACHMENTS

JOHN DEERE FINANCIAL

Multi-Use Account

Multi-Use Accounts are a service of John Deere Financial, f.s.b.

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*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.

†Financing on approved John Deere Financial credit only. See your Multi-Use Account merchant for complete details.