

# HARVESTING

S Series Combines



JOHN DEERE





# HARVEST

THE ALL NEW S7 COMBINE





# READY



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# BEHOLD!

## BEAUTY AND THE BEAST







The sleek, new lines. The grain-eating heart. The rugged dependability. When we built the all new S7 Combine from the ground up, we looked to its legendary big brother – the X9. Borrowing some of the best X9 features, we gave the S7 the same cab, with more comfort and visibility. We stuffed it with smart guidance and automation tools to increase productivity and decrease stress. And we gave it improved grain loss sensing and residue management system. Together, it all adds up to the most advanced, comfortable, and capable S7 Combine ever built.



# IT'S THE SMART POWER PLAY

## John Deere PowerTech™ 13.6L engine

Ag built for ag work in the toughest conditions. The turbo-charged, 830 cubic inch power plant not only gives you maximum-rated power at lower engine RPM, it also boosts maximum torque by up to 10%. More efficiency. More productivity. Less fuel. That's what we call smart power.

**10%**  
LESS FUEL  
USED<sup>1</sup>

**10%**  
MORE MAX  
TORQUE<sup>1</sup>

## John Deere 9L Engine

New S7 700 and S7 600 Combines get a powerplant upgrade worthy of an all new machine. The new generation 9 Liter engine features a new L40 control system that delivers advanced diagnostics. Improved fuel dosing and EGR system refinements reduce fuel usage and provide easier servcability. Together, the 9L offers a giant leap in helping you reduce fuel usage, machine operating costs, and environmental impact.



<sup>1</sup>Compared to previous models





### Premium PowerCast™ Residue System

Next season's tillage actually starts during this season's harvest, as your combine residue begins returning nutrients to the soil. Using a combination of straight blade knives and a mechanical drive, the PowerCast system delivers even residue distribution up to 45 feet, while conserving up to 15 horsepower.



### Improved Grain Loss Sensing

The enhanced grain loss monitoring system – now standard on the S7 – has 2X the sensors as before to give you more accurate loss sensing.



# NO PAIN

# ALL GRAIN

## HarvestLab™ 3000 Grain Sensing

Grain quality matters. And the best way to monitor it is with HarvestLab 3000. HarvestLab automatically measures – on the go – moisture, protein, starch, and oil values in wheat, barley, and canola.

HarvestLab records and maps small grains data as it's harvested. By viewing this data directly in your combine – or in John Deere Operations Center™ – you can:

- Increase profits per bushel by up to \$0.29 per percentage point of protein above 11%<sup>1</sup>. Market your grain for highest potential returns and take advantage of premiums for constituent values, such as protein.
- Prepare for the next growing season. Get a \$5 to \$15 per acre profit potential<sup>2</sup> by knowing your protein and yield. This tells you accurately how much nitrogen was removed, so you know what needs to be replaced to get the best yields next year.
- Reduce input costs and maximize yield and protein. With the right information, you can improve nutrient management or variety choice by simply targeting field areas where high-protein grain was harvested and focusing on areas that didn't reach the quality or yield targets.



<sup>1</sup> Based on USDA Wheat Protein Premium and Discount scales. Grain Protein Premium and Discounts vary by geography, time of year, and year.

<sup>2</sup> Based on Internal Trial in 2020 Winter Wheat, Kansas, USA. Results could vary by geography, season, and environmental conditions.





### Adjustable Auger Spout

With the Adjustable Auger Spout, you can adjust auger positions right from your cab. That makes it easier to fill carts or trailers on the go, and reduces unnecessary grain spillage, increasing your overall grain retention.



### Cross Auger Shutoff

Optional on S7 Combines, the cross auger shutoff automatically ensures the auger is completely emptied on every unload. This reduces weight in the auger and peak loads when engaging the unloading system. And, by creating less torque on the chain and unloading sprocket at start up, it reduces potential shear pin breakages that cause time-wasting downtime.



# MORE PRODUCTIVITY? LET'S GET PRECISE.

## G5 Advanced Package

More automation means more productivity and less stress. And that's what you get with the G5 Advanced Package, which bundles five of our most advanced guidance and automation technologies into a single 1- or 3-year license. That gives you not only a lower up-front cost, but also technology that gets better over time, as you'll get automatic access to new features as they are released. The G5 Advanced Package includes:



### AutoPath™

Forget guessing which guidance line to use, even in complex fields. No more counting rows or harvesting that row of shame



### AutoTrac™ Turn Automation

AutoTrac Turn Automation gives you hands-off and stress-free confidence from one pass to the next.



### Machine Sync

On-the-go, stress-free unloading in every condition. Work faster, even with inexperienced grain cart operators.



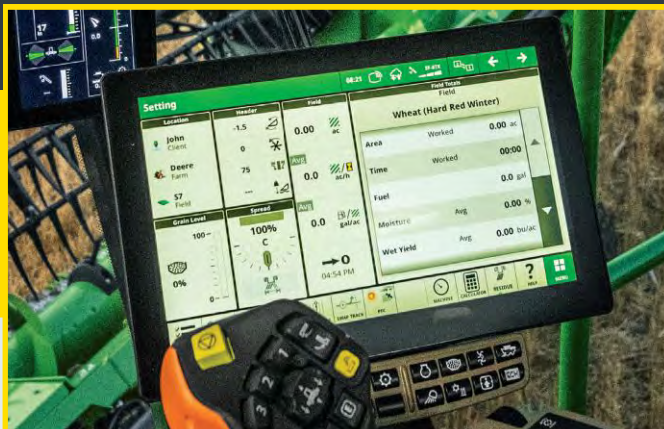
### In-Field Data Sharing

Between multiple machines and fields, share guidance lines, coverage maps, as-applied pass-to-pass data, and field totals, without wasteful radio chatter.



<sup>1</sup> Compared to previous models





### G5<sup>PLUS</sup> CommandCenter™ Display

Bigger. Faster. Clearer. The G5<sup>PLUS</sup> Display gives you more space to see and do more, with a 35% larger screen space. A 3x faster processor for faster boots. And a crisp, 1080p high definition resolution gives you visual clarity in any condition<sup>1</sup>.



### John Deere Operations Center Mobile™

Manage your harvest from anywhere with the Operations Center Mobile app. Remotely view harvest information such as yield, moisture, and area worked. You can also remotely view and adjust combine settings. Plus, you can leverage historical map layers, as well as harvest summary information.



# MORE ACRES. LESS STRESS. AUTOMATICALLY.

## Harvest Settings Automation

It's your crop. You know what you want out of it. Does your combine?

Harvest Settings Automation<sup>3</sup> – included in the Premium and Ultimate Technology Packages – makes it easier than ever to set the specific outcomes you expect. Using your G5<sup>Plus</sup> Display, simply set acceptable limits for grain loss, foreign material, and broken grain.

Once set, the combine automatically adjusts itself to deliver the performance you want. No more manually adjusting rotor speed, fan speed, and concave, chaffer, and sieve clearances. The combine does it for you according to outcomes you've already prescribed.

That gets you into crops faster and reduces the things you have to constantly monitor. When set limits are exceeded, your display shows you where the setting adjustment is being made and why.

Plus, your G5<sup>Plus</sup> Display comes preloaded with a variety of harvest modules, so you customize your harvest run pages to monitor things like grain loss and yield and productivity history. That means less switching from page to page, allowing you to focus on other things.

**Ultimate Technology Package  
can increase productivity up to 20%<sup>2</sup>**

<sup>1</sup> Requires ProDrive™ or ProDrive™ XL Transmission

<sup>2</sup> Anonymized John Deere Operations Center™ data gathered in soybeans, corn, and small grains. Performance varies based on machine size and field and crop conditions.

<sup>3</sup> Available in both Premium and Ultimate license packages and includes factory-installed hardware, such as cameras and more.







## Predictive Ground Speed Automation

How many more acres could you harvest if your combine were more predictive and less reactive? Find out with the Ultimate Technology Package which includes Predictive Ground Speed Automation<sup>1</sup>.

Using two forward, cab-mounted stereo cameras – and pre-harvest satellite field images – the S7 generates a predictive field map AND constantly measures crop height and volume. The combine takes this data and automatically adjusts ground speed BEFORE entering changing crop areas.

That means you can maintain peak feed rates all day long, even in inconsistent crop conditions. That helps you increase combine capacity while minimizing grain loss.

And by anticipating the crop load, the combine has time to gently adjust speed, without the familiar herky-jerky reactive adjustments we've all experienced.

Less stress. More harvested acres. All automatically. Who could've predicted that? Only the S7.



# THEY SAY OUR NEW CAB HAS THAT

# X FACTOR

That's because the same cab that's on industry-leading X9 Combines is the same one we put on the new S7. With improved visibility, this new cab gives you all-day comfort for all-day work. To keep you connected with your combine, we included an integrated G5 CommandCenter™ Display and an integrated StarFire™ Receiver. And the all new primary display is bigger than previous models, giving you more visibility and control.

An all-new swing ladder makes entry and exit faster and easier, and gives you a narrower profile for transit.

More convenience. More control. More comfort. That's how you keep operators at their best... all day long.

## COMFORT PACKAGES

SELECT	PREMIUM	ULTIMATE
Cloth air suspension seat with mechanical controls and lumbar support	Cloth air suspension seat with electronic controls and lumbar support; 16 degrees of swivel to the left and right	Appointed leather seat with electronic controls and lumbar support; left-hand and right-hand swivel; heated, ventilated; massaging feature
Foot rests	Foot rests	Auto-cinching door
Heat and air-conditioning vent at the base of the seat	Refrigerator	Foot rests
Five cupholders	Touchscreen radio (satellite and smart phone ready)	Refrigerator
Accessory rail with tablet mount	Five cupholders	Touchscreen radio (satellite and smart phone ready)
USB and power ports	Accessory rail with tablet mount	Five cupholders
	USB and power ports	Accessory rail with tablet mount
		USB and power ports

## SUSPENSION PACKAGES

Two packages offer you a choice in seat suspension.

### PREMIUM

Cloth seat with air suspension

### ULTIMATE<sup>1</sup>

Includes ActiveSeat™ II

Significantly reduces vertical motion up to 90% compared to the premium package

<sup>1</sup>Only available with the Premium or Ultimate Comfort and Convenience Package.









# YEAH, WE WENT LIGHTS

When harvest work stretches into the night, your S7 Combine can light the way, with three Visibility Packages. Mix or match them with your choice of Comfort and Convenience Packages.

## SELECT

- LED lights
- Manual, unheated mirrors
- Grain tank mirror
- Front sunshade
- Front wiper
- Backup camera

## PREMIUM

- LED lights with twice as much output as previous model
- LED lights under each wing
- Electric and heated mirrors
- Grain tank mirror
- Front sunshade
- Front wiper
- Backup camera

## ULTIMATE

- 360-degree LED lights
- LED lights under each wing
- Electric and heated mirrors
- Grain tank mirror
- Front sunshade
- Right-hand sunshade
- Front wiper
- Backup camera
- Grain tank and unloading auger cameras
- Lighting on sides of combine and under the grain tank covers





# OUT THIS TIME





# YOU'VE GOT CONNECTIONS





### **JDLink™ Connected Service**

Your S7 Combine comes standard with a JDLink Modem, and you can activate JDLink connected service free from your Operations Center account<sup>1</sup>. Once activated, your John Deere dealer offers the connection needed to keep you running when it's crunch time. With your approval, JDLink provides the bridge to proactive and predictive alerts that identify possible issues and from there, the dealer can remotely assess the problem, saving you time and money.

### **Service ADVISOR™ Remote**

Allows your dealer to remotely analyze diagnostic trouble codes in near real time so technicians arrive on-site with the right parts and the right tools to quickly repair your tractor.

### **Proactive Alerts**

Avoid possible downtime by allowing your dealer to remotely monitor your tractor. If they spot a possible issue, they can proactively alert you before it becomes a costly, time-eating problem.

### **Remote Display Access**

Lets your dealer remotely and quickly assist you with in-cab display setup and adjustments for optimal tractor performance.



<sup>1</sup> JDLink hardware comes standard with the machine. You can turn on JDLink connected service in your Operations Center account for free. JDLink requires a cellular connection to transfer information from machine to a JDLink website. Consult your John Deere Dealer for coverage availability.



# PARTS, SERVICE AND SUPPORT

## TO KEEP YOU RUNNING

The John Deere dealer network is here to serve you. If you need a part, attachment, or service, you can head to a local dealer and use their expertise to find the right solution for your budget. They know the ins and outs of your combine and have a clear understanding of your unique needs. You can count on our highly trained technicians to keep you up and running.

**HARVEST  
TERMS™**  
PARTS, SERVICE, INSPECTIONS

- Buy Now, Pay After Harvest 2024
- Great Low Financing Available\*\*
- Improved Cash Flow & Savings

 **JOHN DEERE  
FINANCIAL**

**Multi-Use Account™**

Stop by the One Parts Counter today. We offer a 12-months limited parts and labor warranty\* and multiple financing options as needed.

\* 12 month/ unlimited hour warranty on new OEM agricultural parts installed by an authorized John Deere dealer. 6 month/ unlimited hour warranty for all new John Deere agricultural and turn equipment parts. Terms, conditions, exclusions and warranty limitations apply. See John Deere Service Parts Warranty US & Canada and participating dealers for more details.

\*\* Financing on approved John Deere Financial credit only. Contact your Multi-Use Account merchant or dealer for complete details.



▶ **ADDITIONAL OPTIONS FOR THRESHING AND SEPARATING ENHANCEMENTS**



**KONDEX® REVOLUTION™ HALF-WIDTH CONCAVES**

Versatility to match varying crop conditions. These concaves provide robust, yet gentle threshing ability in tough-threshing crops, like green stemmed-beans. Their half-width size makes them light and easy to change and install. Two-piece bundle options are offered for small grains and are most commonly paired with OEM concaves in positions 2 and 3. Also available in singles and six-piece configurations.

*Konex is a registered trademark of Kondex Corporation.*



**CONCAVE THRESHING INSERTS**

Made for round-bar concaves, these inserts enable flexibility to harvest additional crops by increasing threshing where inserts are installed.



**CONCAVE COVER PLATES**

Cover plates install on the bottom side of the concave, encourage even distribution of material in the cleaning shoe, and provide additional threshing for small grains.



**HEAVY-DUTY SEPARATOR GRATE WITH INTERRUPTER BARS**

A solution for high-yielding corn and tough, small grains and rice, the interrupter bars are excellent at breaking apart corn husk and matted straw and help reduce loss in the separator area.



**SEPARATOR GRATE COVER**

Separator grate covers are recommended for small grains to reduce chaff load and alter distribution of material to cleaning shoe.



**SMALL WIRE CONCAVE INSERTS/INTERRUPTER BARS**

Add threshing ability and help reduce white caps. Only for use with small-wire concaves and to be installed on the first concave section.

▶ **CAB ENHANCEMENTS**



**FOOT RESTS**

Improve comfort while harvesting with this simple upgrade.



**HEATED FLOOR MAT**

Keeps you warm by conducting heat directly over your feet from an internal heating element.



**TABLET MOUNT**

Keep your data in plain sight and secure with an in-cab tablet mount.



## Specifications S-Series Combines

COMBINE MODEL	S7 600	S7 700	S7 800	S7 900
<b>(QJLOH 6SHFLÄFDILROV</b>				
Type	John Deere PowerTech™	John Deere PowerTech™	John Deere PowerTech™	John Deere PowerTech™
Displacement	9.0 L (549 cu in.)	9.0 L (549 cu in.)	13.6 L (830 cu in.)	13.6 L (830 cu in.)
Emission Level	Final Tier 4 / Tier 2 (Australia/New Zealand)	Final Tier 4 / Tier 2 (Australia / New Zealand)	Final Tier 4 / Tier 2 (Australia/New Zealand)	Final Tier 4 / Tier 2 (Australia/New Zealand)
Rated Engine Speed	2,200 rpm	2,200 rpm	2,000 rpm	2,000 rpm
Rated Engine Power	249 kW (334 hp)	300 kW (402 hp)	353 kW (473 hp)	405 kW (543 hp)
Power Boost @ Rated Speed	25 kW (34 hp)	25 kW (34 hp)	25 kW (34 hp)	37 kW (50 hp)
Max Engine Power Speed	2,000 rpm	2,000 rpm	1,800 rpm	1,800 rpm
Max Engine Power	285 kW (382 hp)	343 kW (460 hp)	402 kW (540 hp)	460 kW (617 hp)
Fuel Capacity	950 L (250 gal.)	950 L (250 gal.)	1,250 L (330 gal.)	1,250 L (330 gal.)
DEF Capacity	74.2 L (19.6 gal.)	74.2 L (19.6 gal.)	74.2 L (19.6 gal.)	74.2 L (19.6 gal.)
<b>Feeding</b>				
Drive Type	Fixed or Variable	Fixed, Variable, or Multi-Speed	Fixed or Multi-Speed	Fixed or Multi-Speed
Conveyor Chain Slat Type	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Width	139.7 cm (55 in.)	139.7 cm (55 in.)	139.7 cm (55 in.)	139.7 cm (55 in.)
Length	172.5 cm (67.9 in.)	172.5 cm (67.9 in.)	172.5 cm (67.9 in.)	172.5 cm (67.9 in.)
Feed Accelerator, Stone Trap (FAST)	Standard	Standard	Standard	Standard
Reverser	Standard	Standard	Standard	Standard
<b>7KIUHVKLOJ 6HSDUIDILOJ</b>				
Separator Type	Rotary	Rotary	Rotary	Rotary
Rotor Length	312 cm (123 in.)	312 cm (123 in.)	312 cm (123 in.)	312 cm (123 in.)
Rotor Diameter	76.2 cm (30 in.)	76.2 cm (30 in.)	76.2 cm (30 in.)	76.2 cm (30 in.)
Rotor Speed Range (High / Low)	400-1,000 / 210-530 rpm	400-1,000 / 210-530 rpm	400-1,000 / 210-530 rpm	400-1,000 / 210-530 rpm
Rotor Threshing Concave Area	1.1 m <sup>2</sup> (11.8 sq ft)	1.1 m <sup>2</sup> (11.8 sq ft)	1.1 m <sup>2</sup> 11.8 sq ft	1.1 m <sup>2</sup> 11.8 sq ft
Rotor Separation Grate Area	1.54 m <sup>2</sup> (16.6 sq ft)	1.54 m <sup>2</sup> (16.6 sq ft)	1.54 m <sup>2</sup> (16.6 sq ft)	1.54 m <sup>2</sup> 16.6 sq ft
Discharge Separation Grate Area	0.36 m <sup>2</sup> (3.9 sq ft)	0.36 m <sup>2</sup> (3.9 sq ft)	0.45 m <sup>2</sup> (4.8 sq ft)	0.45 m <sup>2</sup> 4.8 sq ft
<b>&amp;IHDLOJ</b>				
Front chaffer	0.5 m <sup>2</sup> (5.4 sq ft)	0.5 m <sup>2</sup> (5.4 sq ft)	0.5 m <sup>2</sup> (5.4 sq ft)	0.5 m <sup>2</sup> (5.4 sq ft)
Front Chaffer Extension (Code: 8496)	N/A	N/A	0.8 m <sup>2</sup> (8.6 sq ft)	0.8 m <sup>2</sup> (8.6 sq ft)
Chaffer	2.5 m <sup>2</sup> (26.9 sq ft)	2.5 m <sup>2</sup> (26.9 sq ft)	2.5 m <sup>2</sup> (26.9 sq ft)	2.5 m <sup>2</sup> (26.9 sq ft)
Sieve Area	2.1 m <sup>2</sup> (22.6 sq ft)	2.1 m <sup>2</sup> (22.6 sq ft)	2.1 m <sup>2</sup> (22.6 sq ft)	2.1 m <sup>2</sup> (22.6 sq ft)
Total Cleaning Area (louvered)	5.1 m <sup>2</sup> (54.9 sq ft)	5.1 m <sup>2</sup> (54.9 sq ft)	5.9 m <sup>2</sup> (63.5 sq ft)	5.9 m <sup>2</sup> (63.5 sq ft)
Cleaning Fan Speed	620-1,350 rpm	620-1,350 rpm	620-1,350 rpm	620-1,350 rpm
<b>*IIDLO +DOGLOJ</b>				
Grain Tank Size	10,600 L (300 bu)	10,600 L (300 bu)	14,100 L (400 bu)	14,100 L (400 bu)
Unloading Auger Length	6.9, 7.9, or 8.7 m (22.5, 26, or 28.5 ft)	6.9, 7.9, or 8.7 m (22.5, 26, or 28.5 ft)	6.9, 7.9, or 8.7 m (22.5, 26, or 28.5 ft)	6.9, 7.9, or 8.7 m (22.5, 26, or 28.5 ft)
Peak Unloading Rate	127 L/s (3.6 bu/sec)	150 L/s (4.2 bu/sec)	150 L/s (4.2 bu/sec)	150 L/s (4.2 bu/sec)
<b>%DVH : HLJKI<sup>2</sup> /HVV +HDG</b>				
Front Axle	9,858 kg (21,737 lb)	10,366 kg (22,857 lb)	11,116 kg (24,511 lb)	11,116 kg (24,511 lb)
Rear Axle	9,646 kg (21,269 lb)	9,476 kg (20,895 lb)	11,170 kg (24,630 lb)	11,170 kg (24,630 lb)
Total Machine	119,504 kg (43,006 lb)	19,842 kg (43,752 lb)	22,286 kg (49,141 lb)	22,286 kg (49,141 lb)



## S-Series Combines Tires and Tracks

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

	S7 600	S7 700	S7 800	S7 909
<b>TRACKS</b>				
36 inch John Deere Tracks (MI)		X	X	X
30 inch John Deere Tracks (MI)		X	X	X
<b>FRONT TIRES</b>				
520/85R42 157A8 R-1 Dual (FS/GY)	X	X		
520/85R42 162A8 R-2 Dual (FS/GY)	X	X	X	X
IF 520/85R42 CFO 169B R-1W Dual (GY)	X	X	X	X
VF 520/85R42 CFO 174A8 R-1W Dual (FS)	X	X	X	X
580/85R42 166A8 R-1W Dual (FS/GY/MT)	X	X	X	X
650/85R38 173A8 R-1W Dual (FS/GY/MT/MI)	X	X	X	X
800/65R32 172A8 R-1W (FS)	X			
800/70R38 173A8 R-1W (FS/GY)	X	X		
VF 800/70R38 CFO 193B R-1W (FS)	X	X	X	X
LSW 800/55R46 190D R-1W (GY)	X	X	X	X
IF 900/65R32 CFO 191A8 R-2 (GY)	X	X	X	X
VF 900/60R32 CFO 193B R-1W (FS)	X	X	X	X
LSW 1100/45R46 CFO 190A8 R-1W (GY)	X	X	X	X
IF 1250/50R32 CFO 188B R-1W (FS)	X	X	X	X
LSW 1250/35R46 CFO 195A8 R-2 (GY)	X	X	X	X
<b>REAR TIRES</b>				
600/70R28 161A8 R-1W (FS/GY/MT)	X	X		
620/75R26 166A8 R-1W (FS/GY)	X	X	X	X
VF 620/75R26 172A8 R-1W (FS)	X	X	X	X
VF 620/70R26 RIW 173A8 (MI)	X	X	X	X
LSW 710/60R30 177A8 R-1W (GY)	X	X	X	X
VF 710/65R26 177D R-2 (GY)	X	X	X	X
750/65R26 166A8 R-1W (FS/GY/MT)	X	X	X	X
VF 750/65R26 177B R-1W (FS)		X	X	X
VF 750/65R26 CFO+ RIW 180A8 (MI)	X	X	X	X

### 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 a tire 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.

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







## Supported by one of the most responsive dealer networks in the business

Nobody cares more about keeping your equipment in solid working order than your John Deere dealer. With a complete inventory of genuine John Deere parts, highly trained service technicians, and a thorough understanding of your business, your John Deere dealer knows how to keep you and your equipment up and running.

A strong name in equipment, and a strong dealership network: get it all with John Deere.

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