

0009



JOHN DEERE

NOTHING RUNS LIKE A DEERE

PURE PERFORMANCE

The 9000 Series Self-Propelled Forage Harvesters of John Deere have been designed to deliver exceptional performance, higher efficiency and lower cost of harvest to our customers. Fuelled by our ambition to help you produce more high-quality silage more efficiently, the line-up has been complemented and we have exciting news to help you boost your operation.



THE EVOLUTION OF EXCELLENCE: 9000 SERIES FORAGE HARVESTERS

When you're ready to take things to the next level, the 9000 Series is your forage harvester. Think top of the line crop analysis and documentation capabilities, peerless forage quality with an exceptionally robust kernel processor – all powered by exceptional engines, including the brand new JD18X.

CONTENTS



ENGINE & DRIVELINE

Engine	6
Driveline	12



CROP FLOW & KERNEL PROCESSING

Crop Flow	14
Cutterhead	16
Kernel Processing	18



HEADERS

Headers	20
---------------	----



TYRES & PRODRIVE™

Tyres & ProDrive™	30
-------------------------	----



CAB

Cab	32
-----------	----



INTELLIGENT SERVICES & SOLUTIONS

Parts and Services	36
Guidance and machine automation	42
HarvestLab™ 3000	44



CONNECTED FARM MANAGEMENT

Job Management	50
----------------------	----



SPECIFICATIONS

Specifications	52
----------------------	----

EXCELLENCE EVOLVED

OVERVIEW

A lot of the productivity impact of our new 9000 Series models comes from their powerful cores – the JD18X and the Liebherr V12. But there's a lot more to say about the performance of these forage harvesters.

NEW!

HARVESTMOTION™ AND HARVESTMOTION™ PLUS

HarvestMotion™ delivers significantly higher productivity and more efficiency at reduced engine speed. HarvestMotion™ Plus stands for a unique torque rise and even more power at low engine speeds to boost your performance and efficiency.

2 | LOWER COST OF OPERATION

Keep costs down and productivity up with extended service intervals, guaranteed wear part costs, less fuel usage and no DEF*.



*no DEF only for 9500, 9600, 9700 with JD18X

3 | FUNCTIONAL CAB COMFORT

Built around you, with a panoramic view, lots of space, maximum comfort, and intuitive controls and displays.

4 | OPTIMAL CROP FLOW

Think maximum throughput performance thanks to ProStream crop flow.



5 | EXTREME KERNEL PROCESSING

Get top-notch processing results at any length of cut with our proven Premium KP™ or the XStream KP™.

6 | HARD-WEARING DURA LINE™ PARTS

More uptime, better cost control: crop flow liners and all-crop Dura Line™ Plus shearbars are exceptionally long-lasting.

7

NEW!

NEW SPOUT DESIGN

An optimised spout contour improves crop flow in sticky conditions. The covers protect harnesses and hydraulic lines for even more reliability.

8 | POWERFUL GRIP

All power to the ground: our ProDrive™ transmission and 2.15 m tyres that go down to 1 bar for less compaction to protect soil health.

9 | INTELLIGENT FORAGE MANAGEMENT

The HarvestLab™ 3000 measures and documents both dry matter and constituents in real-time for accurate silage quality analysis.

10

NEW!

HIGH EFFICIENCY HEADERS

Choose from a header range engineered for high horsepower, incl. the new R Series grass pick-up for maximum throughput. Benefit from efficient, reliable operation with excellent crop handling.

11 | ALWAYS AT ITS BEST

Our Lifecycle Solutions ensure that your machine always performs at installed capacity and delivers maximum uptime with a measurable edge in cost of operation.

POWERFUL CORE

ENGINE 9500 | 9600 | 9700

Our new JD18X engine with HarvestMotion™ Plus: Boost your productivity in heavy crop conditions with up to 825 hp and no need for Diesel exhaust fluid (DEF).

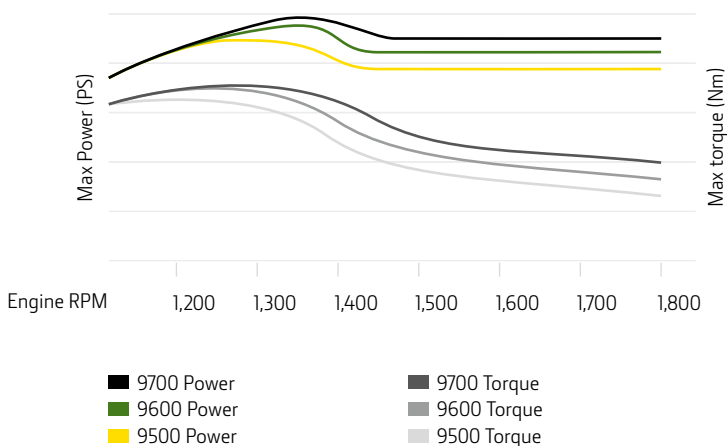
2021
**DIESEL
OF THE
YEAR**



HARVESTMOTION™ PLUS

Enjoy the confidence that comes from having even more performance available when you need it – HarvestMotion™ Plus increases torque and power at low engine speeds.

9500-9700 HARVESTMOTION™ PLUS

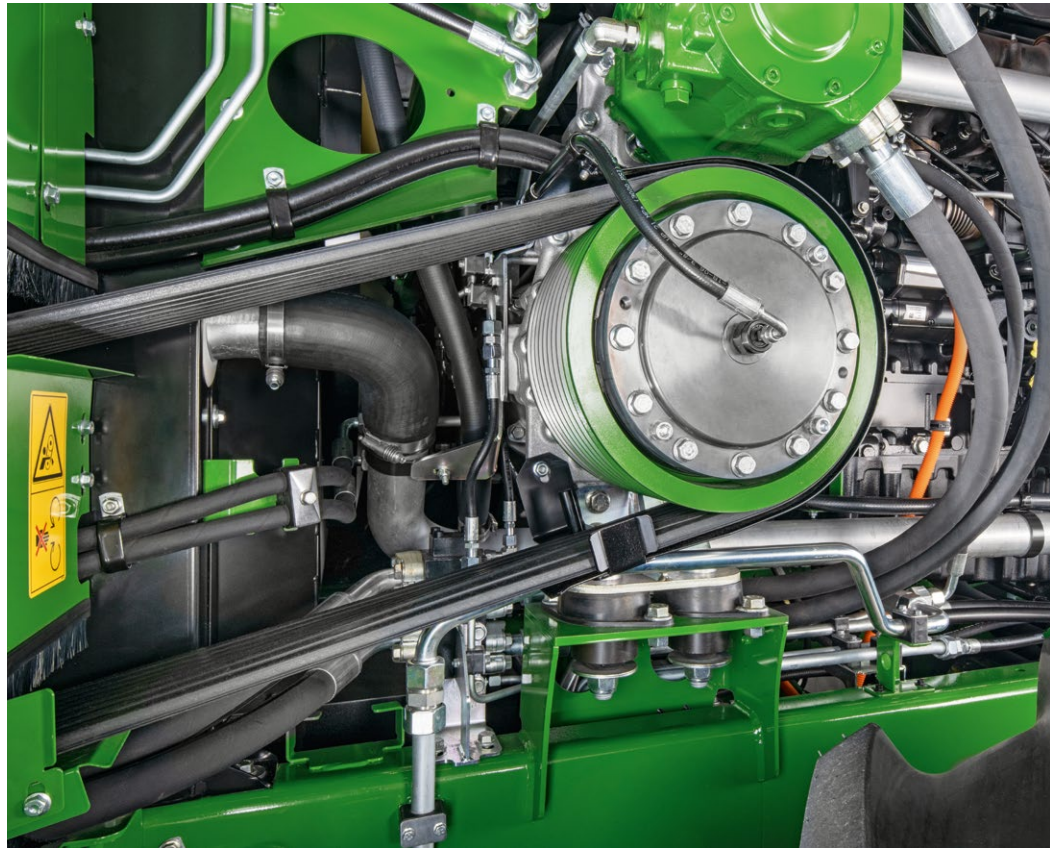
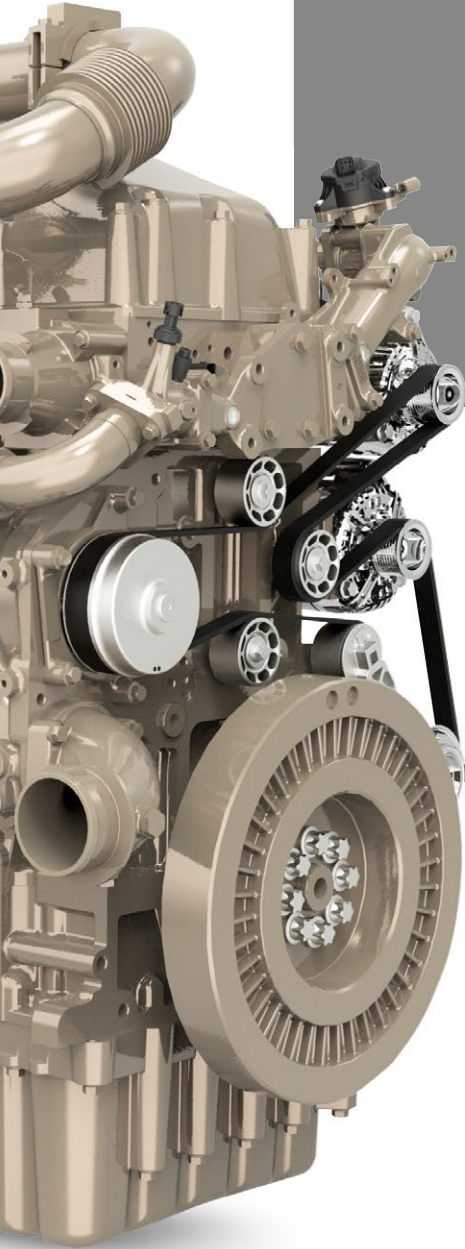


Benefit from full Stage V compliance without diesel exhaust fluid (DEF) and get more uptime with lower costs, thanks to extended service intervals.

18L

JOHN DEERE

JD18X



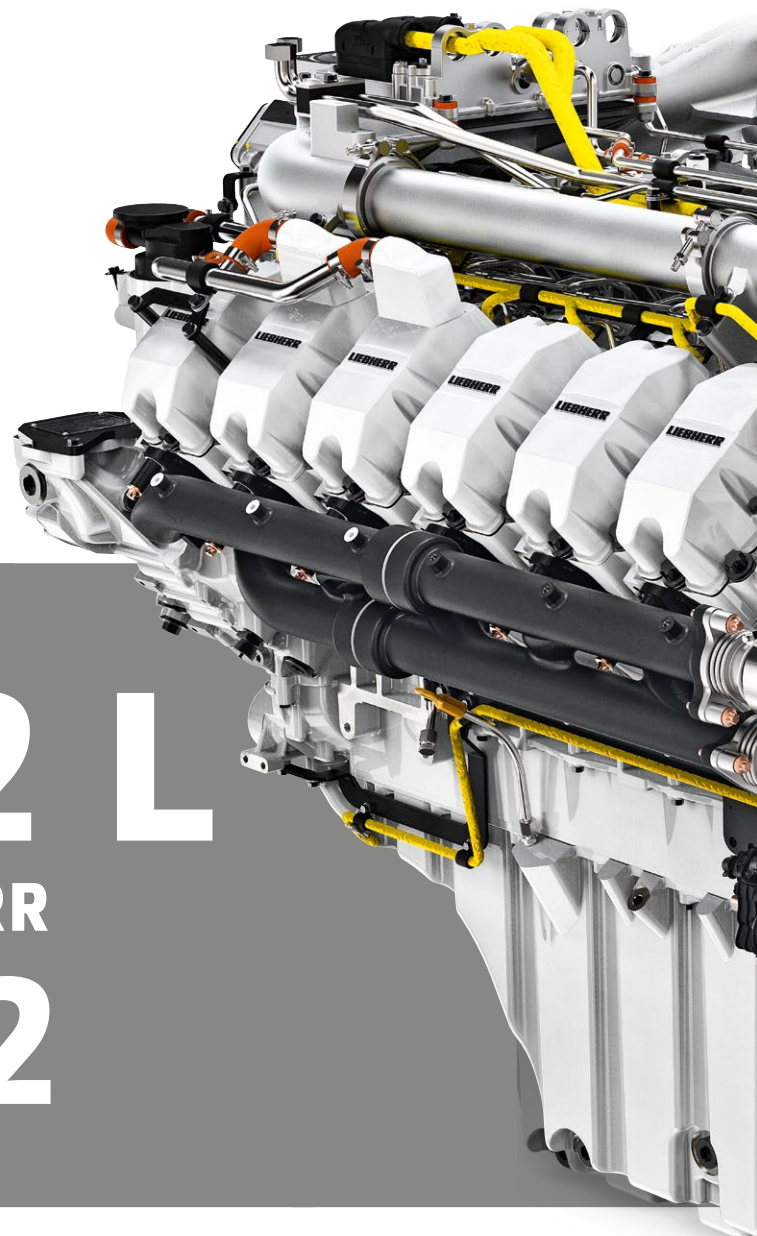
Building on years of experience, we have designed our new 18L John Deere JD18X engine – the most powerful engine we have ever built. It delivers high performance with low specific fuel consumption. Simple and reliable, without the need for Diesel exhaust fluid (DEF). We equipped it with John Deere engine controls, a high-pressure common-rail fuel system, series turbochargers and it features cooled EGR. Also, its rear gear train significantly reduces noise, as well as torsional and crank stress.

MORE DOES MORE

ENGINE 9800 | 9900

When you need to maximise your productivity in the heaviest of crop conditions, the exceptional power of the 24.2 L Liebherr V12 engine is ready to do more for you.

The 9800 and 9900 models are equipped with a highly efficient 24.2 L Liebherr V12 engine, powering the machine with up to 970 PS. This longitudinally-mounted engine perfects cooling efficiency with minimal fan power requirements and features excellent serviceability and weight distribution. The bottom line: improved fuel efficiency, cleaner emissions and a massive amount of power at your disposal.



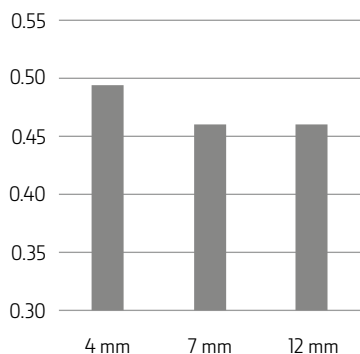
24.2 L
LIEBHERR
V12

PURE PERFORMANCE – PROVEN

The renowned German Agricultural Society (DLG) thoroughly tested the performance of our 9000 Series under various harvesting conditions. Independently proven and certified.

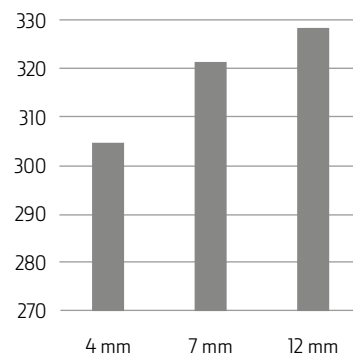


FUEL ECONOMY 9800 (LITRES/TON)

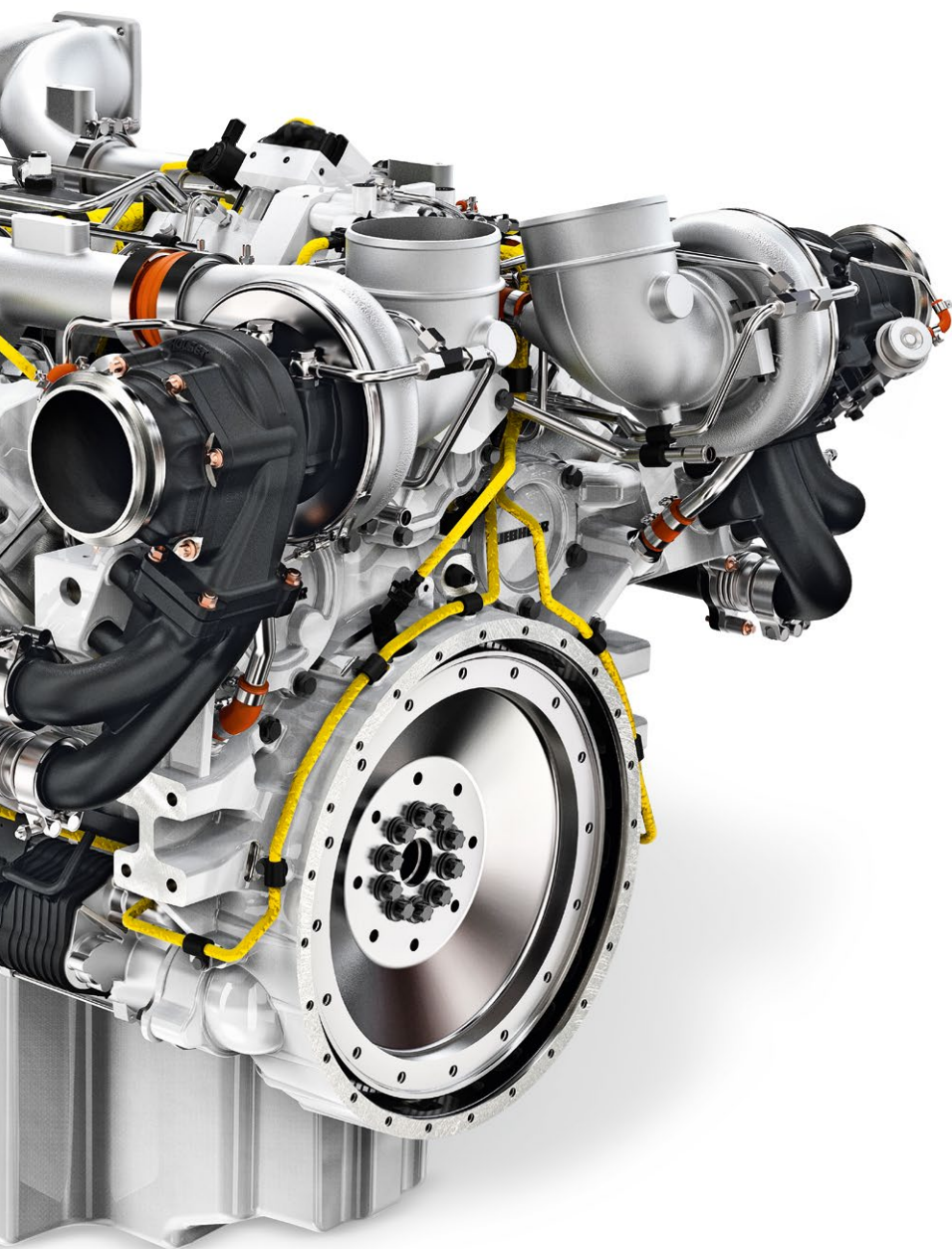


“... with values below 0.5 litres/ton of harvested crop, the measured fuel consumption values are on a very low level...”

THROUGHPUT 9800 (TONS/HOUR)



“... with throughput values of up to 328 t/h, the tested 9800 shows its huge performance potential...”



TRIED AND TRUE

The acclaimed 24.2 L Liebherr V12 engine boasts years of outstanding field performance. Exceptional 1,000-hour service intervals deliver more uptime and lowers your costs.

MACHINE EVOLUTION

The 9000 Series is a direct result of our commitment to improve the harvesting process and forage quality for our customers.

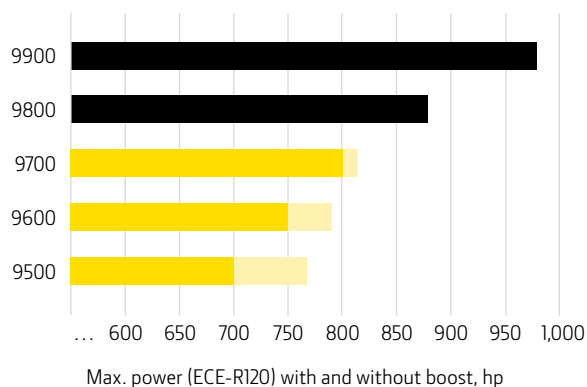
HARVESTMOTION™ AND HARVESTMOTION™ PLUS

A state-of-the-art engine with ideal performance characteristics and low specific fuel consumption at reduced rpm, perfectly aligned and synchronised with a superior crop flow. This is our HarvestMotion™ concept for pure performance and highest efficiency.

If you want to feel the confidence of having even more performance available when you need it, our HarvestMotion™ Plus comes as standard on the 9500, 9600 and 9700 models for an on-demand power boost.



9000 SERIES UP TO 970 PS



- Liebherr V12, 24.2 L
- JD18X, 18.0 L (power without boost)
- JD18X, 18.0 L (power with boost)



**ENHANCED, IMPROVED,
EVEN BETTER:**

- Engine & Cooling
- Driveline
- Cropflow
- Kernel Processing
- R Series grass pick-ups

EFFICIENCY BOOSTED

DRIVELINE

Every single component of the 9000 Series' driveline was designed to contribute to more efficiency. Crop flow components are powered by up to nine grooves to ensure the prodigious engine power available is transferred reliably to the main drive belt, and the kernel processor drive has had a significant upgrade as well. Overall fuel efficiency improves thanks to a lower driveline top speed of 1,800 rpm.



1 | PERFECT CROP FLOW

The feedrolls and the header drive ensure uniform crop intake and an unprecedented throughput per horsepower thanks to a significantly optimised crop flow.

3 | LIGHTWEIGHT MAIN CLUTCH

The main clutch design features serious weight optimisation to help reduce power losses and maximise overall fuel economy.

5 | HYDRAULICS SYSTEM ENHANCED

At its core is a sophisticated load sensing system for maximum hydraulic performance with reduced losses and less pressure if needed. For optimised speeds, a hydraulic kernel processor belt tensioner comes as standard.

2 | ENGINE INTEGRATION

Thanks to the compact and low integration of the engines at the rear, less additional weights are needed to put power to the ground – that means better fuel efficiency on the road and less soil compaction in the field.

4 | MAIN FRAME DESIGN

The main frame is designed to accommodate larger headers and features new engine mountings for a lower centre of gravity and to provide more space for an overall stronger driveline.

6 | MAIN DRIVE DESIGN

To support the higher engine power and throughput of the 9000 Series, we reinforced the 8000 Series' renowned main drive and perfectly matched the gear ratio to the engine's power curve. Now more accessible wear parts under the sidewall make maintenance a breeze.



LOWER RPM, LOWER COST

We designed the 9000 Series driveline for optimal crop flow right at the engine's sweet spot – lower engine rpm for lower fuel costs thanks to HarvestMotion™, and increased torque rise with more power from HarvestMotion™ Plus to achieve effortless operation at the highest efficiency.



COOLER BY DESIGN

The longitudinal layout of the 9000 Series' engines eliminates the need for the large and power-intensive cooling packages that transverse engines require: More of the engine's surface area is closer to the outer edges of the machine, unobstructed by other components. Cool air is drawn in through the channels behind the cab and is guided along the sides of the engine to the exits at the rear and the sides. That's more efficient cooling with less components.



High-efficiency crop stream –
The straightforward design
produces reliable and powerful
material transport no matter what.

PROSTREAM: HIGH POWER, LOW FRICTION

CROP FLOW

The ProStream crop flow is designed with extra heavy-duty components for even higher engine horsepower outputs, and a throughput capacity of more than 400 tons per hour. The smooth, gentle arc of the channel minimises resistance for an even cropflow stream and lower wear.



1 | FAST HEADER ATTACHMENT

The self-adjusting header locking system connects the driveline automatically.

2 | WIDE PROFILE KNIFE MOUNTINGS

The knife mountings and the profile are designed to channel the crop for a more stable and even flow.

3 | PATENTED QUICK STOP SYSTEM

Within 85 ms, a patented hydraulic system instantaneously switches off the feedrolls without the stresses of traditional mechanical linkages.

4 | SMOOTH AND EVEN CROP FLOW

When you are chopping an uneven swath, our feedroll dampening system compensates and smoothes out the crop mat for even feeding and consistent length of cut.

5 | DURABLE HYDRAULIC KNIFE GRINDING SYSTEM

Our all-hydraulic system is highly vibration-resistant and adds reverse mode knife sharpening as an exclusive feature.

6 | FEEDROLL ADVANTAGE

Four feedrolls, perfectly synchronised with the header produce a smooth cropflow and springs ensure a flat crop mat for perfect cutting quality.

7 | EXTRA FINE SHEARBAR ADJUSTMENT

The adjustment pivoting point is positioned far below the shearbar, ensuring minimum horizontal change when adjusting to worn out knives.

8 | 5 MINUTE KERNEL PROCESSOR CHANGEVER

Its swing-out/swing-in design allows it to be moved out of the crop flow and to be automatically replaced with a grass chute.

9 | HIGH QUALITY, HEAVY DUTY BEARINGS

The extra strong bearings are designed for loads and throughput much higher than they'll ever have to bear.

10 | NEW SPOUT DESIGN

The optimised spout contour much improves crop flow in sticky conditions. A 20 cm longer standard configuration enhances visibility and makes trailer filling easier – ideal for pick-up use or 8-row maize heads.

ONE CUTTERHEAD, ALL CROPS

CUTTERHEAD

Our universal cutterhead is designed to perform with remarkable flexibility for potentially very different harvesting requirements.

It will meet your demands without having to compromise forage quality. Depending on your specific requirements, you can also choose from either 40, 48, 56 or even 64 knife configurations.

CUTTERHEAD						
KNIFE CONFIGURATION			40	48	56	64
Cutterhead Speed	1170rpm	Full set	7-25 mm	6-21 mm	4-18 mm	3-16 mm
		½ set	14-50 mm	12-42 mm	8-36 mm	6-32 mm
	1350rpm	Full set	-	-	4-16 mm	3-14 mm
		½ set	-	-	8-32 mm	6-28 mm





SMOOTH CROFLOW

To further refine the crop flow, we analysed it with the latest high-speed video technology and gained an unprecedented insight. The large diameter 680 mm drum creates a faster cropflow which makes a big difference when the harvester is working at extra short cut lengths. The net result is higher throughput with lower power consumption.

HIGH EFFICIENCY CUTTING

The combination of the knife holder design and long knives, with a 20 mm tungsten carbide coating, means you can keep chopping without any loss in performance as the knives wear. What's more, with our innovative shearbar system, it's never been easier to cut high quality silage all season long.

LOWER FUEL CONSUMPTION

The unique design of the knife holders creates a more uniform and bundled crop stream. They also optimise the point of exit for the crop, helping to reduce the overall power demand of the crop flow by up to 20 kW. When you're chopping non stop, day after day, that adds up to significant fuel savings.

MAXIMISE BIOGAS AND LIVESTOCK POTENTIAL

Our cutterhead design gives you much more chopping flexibility: you can use the 40, 48, 56 and 64 knife cutterheads with 1/2 or 3/4 knife configurations for even longer lengths of cut. Totally unique to John Deere, it means you can meet all the needs of biogas, livestock and dairy farmers with a single cutterhead.

HIGH QUALITY SILAGE

KERNEL PROCESSING

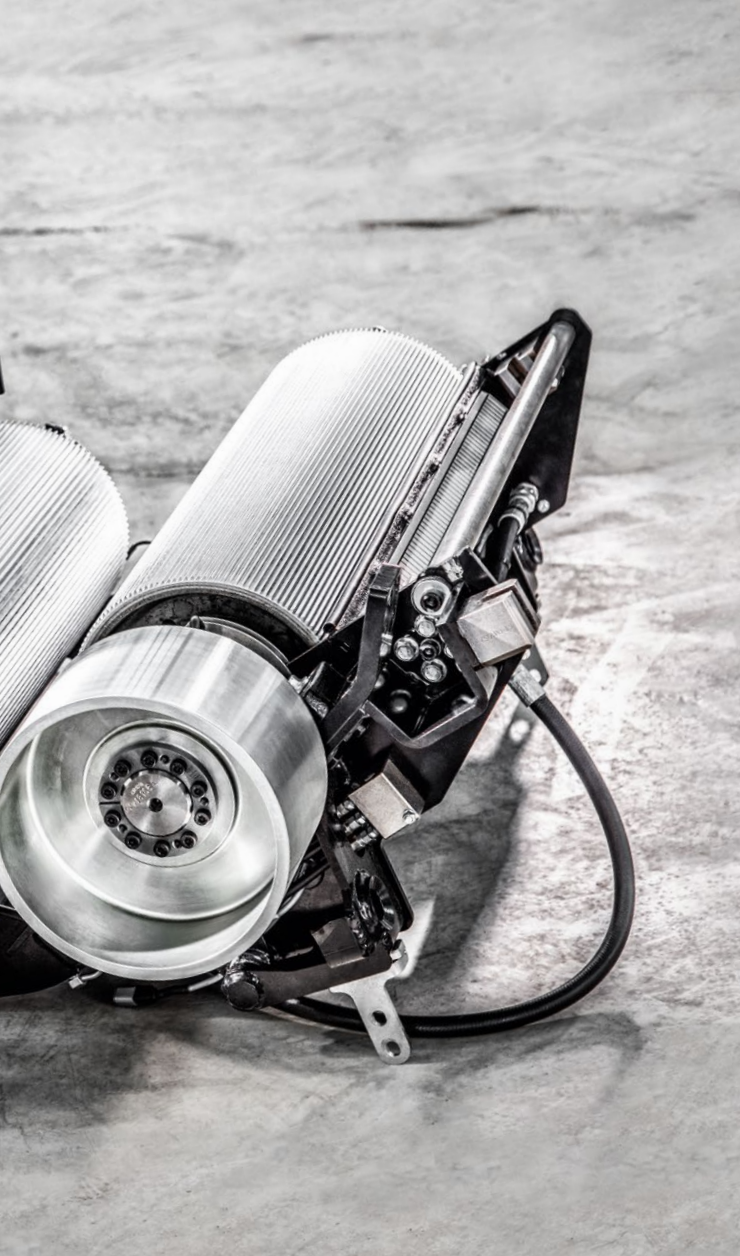
The massive throughput of the 9000 Series creates special demands for kernel processing – our XStream KP™ and Premium KP™ handle them with ease.



PREMIUM KP™

Our Premium KP™ is a proven high intensity processing solution that produces excellent forage quality at any length of chop and features Dura Line™ rolls for longer equipment life with more volume.





XSTREAM KP™

Together with the renowned experts from Scherer, a global leader in kernel processing roll design, we developed the new John Deere XStream KP™ for high horsepower. With 250 mm diameter rolls and 50% speed differential it delivers consistently smashed kernels and intensively processed plants regardless of chop length.

Up your processing productivity and consistently achieve smashed kernels and intensively processed plants with the new John Deere XStream KP™ – shown here with DuraLine™ saw tooth rolls.

	PREMIUM KP™	XSTREAM KP™
BASE FEATURES		
Housing	Standard KP housing	Heavy Duty housing with KP roll quick exchange system
Lubrication	Grease lubrication	Pressurised oil lubrication
Roll diameter	240 mm	250 mm
Speed differential	32%	50%
OPTIONS		
40% speed differential	■	■
Bearing temp. monitoring system	–	■
KP ROLLS		
Standard sawtooth	■	–
Dura Line™ sawtooth	■	■
High intense Dura Line™ sawtooth	■	–
Dura Line™ XCut	–	■
Whole crop	■	–
Dura Line™ whole crop XCut	–	■

■ Available

– Not available

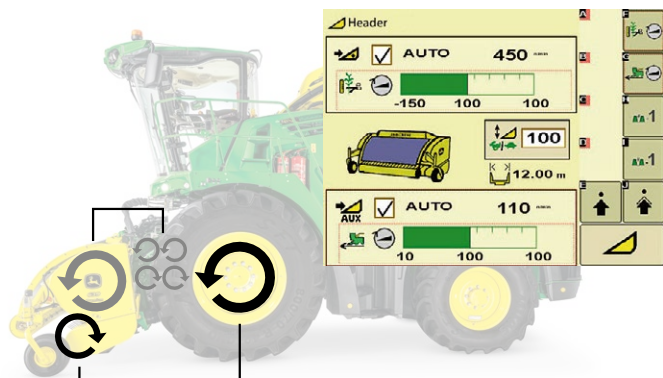
ALL-STAR HEADER PERFORMANCE

HEADERS

For the productivity levels you're looking for from the 9000 Series, only the most advanced headers will do. Our range is designed for high horsepower, radical efficiency and total reliability.



Variable header drive in base synchronises auger speed to LOC for great chopping quality. No matter if harvesting lighter or very heavy windrows, the optional dual header drive adjusts the speed of the pick-up tines independent of the auger matching the ground speed. Making sure no crop gets left behind.





GRASS: NOTHING LEFT BEHIND

In addition to our renowned 6X9 premium pickups, designed explicitly for high-horsepower grass collection, we now also offer the new R Series pick-ups – developed exclusively for John Deere by Kemper.

6X9 PREMIUM PICK-UPS

MODEL	TRANSPORT WIDTH	WORKING WIDTH
639	3 m	2.56 m
649	4 m	3.64 m
659	4.5 m	4.15 m

R SERIES PICK-UPS

MODEL	TRANSPORT WIDTH	WORKING WIDTH
30R	3 m	2.70 m

6X9 PREMIUM PICK-UPS

The Dura Line™ parts in our 6X9 pick-ups stay in the game longer. In addition to an extra-robust pick-up reel, you get heavy-duty chains and a sturdy auger with wear strips and deck plates that will last four times longer.* Also, expect improved feeding at all lengths of cut from the variable pick-up speed feature of the 6X9.

R SERIES PICK-UPS

Equipped with a big 80 cm diameter auger, larger 20 cm auger flights, and 6 tine bars with 6.5 mm tines, the new R Series pick-ups are designed for high throughput. To ensure that you can enjoy full performance for seasons to come, the 30R also features a chainless drive and heavy-duty wear parts that reduce maintenance costs.

*Based on internal field test, comparing John Deere wear parts with and without coating



1 | HIGH-SPEED CUTTING

Fast turning rotors, for a perfect cut even under the most difficult conditions such as wet crops with lots of weeds.

2 | HEADER VERSATILITY

Chop maize and many other crops for feed or biogas production even under tough conditions and cut covering the full working width.

3 | UP WITH DOWN CROP

The integrated low outer pointers make sure that down crop gets picked up perfectly every time.

7 | LUBE FASTER

Our headers feature less lubrication points to make daily maintenance easier and quicker. You've got other things to do.

8 | INSPECT LESS

The main hexagonal shaft in our headers connects all gearboxes and minimises daily inspection requirements.

9 | ROWSENSE™

Manual RowSense™ and AutoTrac™ RowSense™ allow you to keep your full attention on the header and spout functions to increase your productivity.

FLEXIBLE, LEGENDARY RELIABILITY

Built by Kemper, a John Deere company, our 300^{plus} and 400^{plus} maize headers are renowned worldwide for high capacity, reliability and low maintenance. With the wide variety of header sizes, you can choose what fits best for you.

TRANSPORT: CONVENIENT AND SAFE

We've made transport efficiency a priority to make sure that you don't lose any time when changing fields. For excellent on road driving comfort, we now offer a comfort support wheel for 300^{plus} and 400^{plus} headers. Part of the weight of the header is carried by a large 360° turning transport wheel. All safety equipment is conveniently integrated so that you leave nothing behind, and automatically folds in for transport so that you don't have to leave the cab to do it manually – when others are still folding, you're already chopping! With several field changes a day, you gain up to half an hour more time to chop.

4 | FLATTER HEADER ANGLE FOR EVEN STUBBLES

Specially shaped cleaners on the underside of the cutting rotors break up sharp edged maize stubble for faster decomposition.

5 | QUICK FIELD CHANGES

The comfort support wheel mounts in 30 seconds – from the cab. All security features are integrated, and lighting connects automatically.

6 | LESS WEAR

Power is transmitted by closed oil bath gearboxes and safety clutches for minimal wear at the driveline parts.

10 | ADVANCED CONTROL

The perfect header position every time, thanks to the active height control of Advanced Header Control (AHC), optionally available with up to 3 sensors.

11 | ATTACH IT FASTER

The multi coupler and the optional integrated quick coupler make attachment and removal a fast and painless process.

COMPACT PERFORMER

300^{plus} HEADERS

Short, compact and with a light-weight small-drum design, the 300^{plus} series is easy on the soil and great for short to medium-height crops.

For the 9000 series, the 300^{plus} is available in 6, 7.5 and 9 metre working widths, which gives you a perfect fit for what you're harvesting most. The row-independent harvesting technology lets you work the field from any side. Thanks to the even lengthwise feeding the 300^{plus} series is your best choice for perfect chopping quality.



SUPERIOR COVERAGE

Row-independent harvesting technology with fast-running rotors for seamless cutting over the entire width.

SHORT AND COMPACT

The compact design gives you a better view for enhanced road transport safety.

IT'S LIGHTER

We've reduced the overall weight so there's less of it on the front axle. You'll leave the field in better shape with less soil compaction.

WIDE RANGE

The 300^{plus} series features a wide range of working widths. Choose between 6, 7.5 and 9 metre working widths.



ROTARY HEADER 300^{plus}

MODEL	WORKING WIDTH	TRANSPORT WIDTH
360 ^{plus}	6 m	3 m
375 ^{plus}	7.5 m	3 m
390 ^{plus}	9 m	3.3 m

MOUNTING COMPATIBILITY

MODEL	9500	9600	9700	9800	9900
360 ^{plus}	□	□	□	□	□
375 ^{plus}	■	■	■	□	□
390 ^{plus}	■	■	■	■	■

■ Recommended □ Possible

THROUGHPUT CHAMPION

400^{plus} HEADERS

When you need to harvest lots of high-yield crops fast, you can't do better than our 400^{plus} series.

Designed and built for greatest throughput, the 400^{plus} series uses the big drum design to cut, gather and feed the crop into your forage harvester. Developed with an emphasis on customer value, the 400^{plus} series machines shine when you're looking for more yield, more productivity and more performance under extreme conditions.



UPGRADED: 490^{plus}

Improved header angle, maximum performance and highest throughput in all conditions.

ROTARY HEADER 400^{plus}

MODEL	WORKING WIDTH	TRANSPORT WIDTH
460 ^{plus}	6 m	3 m
475 ^{plus}	7.5 m	3.3* m
490 ^{plus}	9 m	3 m

*All dimensions are nominal dimensions. Actual dimensions may vary from case to case.

MOUNTING COMPATIBILITY

MODEL	9500	9600	9700	9800	9900
460 ^{plus}	□	□	□	□	□
475 ^{plus}	■	■	■	■	■
490 ^{plus}	■	■	■	■	■

■ Recommended □ Possible



1 | HIGH-YIELD EXPERT

The 400^{plus} is especially designed for harvesting high-yield crops even under very difficult harvesting conditions.

2 | LESS BLOCKAGE

The design with less handover points lowers blockage risk and creates a more direct crop flow for higher throughput.

3 | PRIME QUALITY

The plants go fully lengthwise through the header to the feed rolls to achieve a perfect chopping result.

4 | FULLEST REACH

Get more done faster with the new 12-row large drum header of the 490^{plus} and its six equally sized drums.

5 | MOVE IT FAST

The double-fold mechanism of the 490^{plus} folds the entire header in about half a minute – and it's on to the next field.


PROFI CUT

MODEL	WORKING WIDTH
530	5.3 m
700	7.0 m

DESIGNED FOR PEAK PERFORMANCE

The Zürn ProfiCut 530 and 700 high-efficiency headers we employ were developed for cutting whole-crop silage clean and low with a tried and true disc-cutterbar. To help you achieve maximum throughput with optimal forage quality, you're even able to adjust the auger speed to the length of cut.

WHOLE-CROP SILAGE PERFORMANCE

When you focus, you get superior results. Zürn is a John Deere partner that specialises in producing high-end attachments for harvesting machinery. Whole-crop silage harvesting does not get better than with the ProfiCut headers from Zürn.

1 | BIG VOLUME

Large floating auger for superior intake performance of very large yield quantities.

2 | PERFECT FIT

Ideal for the 9000 Series and quick header adaptation.

3 | LUBED FOR LIFE

The disc cutter bar is maintenance-free for continuous precision cutting quality and clean stubbles.

4 | LESS DOWNTIME

The quick-knife-replacement systems keeps such interruptions short.

5 | CROP VERSATILITY

Easily mounted side knives feature fast coupling and collision protection – switch to new crops fast and easy.

6 | IT'S SAFE

The powerful outer drives of the two separate cutter bars are synchronised for completely safe operation and superior longevity.

7 | HIGH CROPS

The hydraulically adjustable front deflector lets you adjust the header to very high crop from the driver's seat.

8 | AUTO CHAIN LUBE

No need to worry about chain lubrication – it happens automatically.

9 | LOADING CONVENIENCE

Loading and unloading is a breeze with the hydraulically lowered header transporter.

FULL TRACTION, FULL CONTROL

TYRES & PRODRIVE™

John Deere forage harvesters deliver enormous traction and superior control in all driving conditions – you profit from bigger tyres and ProDrive™ as standard features.

BIGGER TYRES, BETTER GRIP

With diameters of up to 2.15 m, the 9000 Series features extra big tyres and at up to 0.5 m it also delivers extremely high ground clearance. Add to this tyre pressure of as low as 1 bar, a reduced overall weight and you have a simple and efficient formula that gives you more traction and less compaction, still allowing you to zip along at speeds of up to 40 km/h on the road.



PRODRIVE™ – A TRANSMISSION BENCHMARK

ProDrive™ is the other half of the traction equation, with numerous other benefits. The sophistication of this breakthrough transmission technology stays on the inside – to you it is supremely easy to operate. ProDrive™ provides automatic shifting across two pre-set speed ranges in which you select a speed that will be maintained continuously, even when you're harvesting downhill on slopes. It could not be simpler: There's no gear lever and no parking brake, just a master control lever you push to move. Braking is just as easy – just pull back the lever and two brake units, and the parking brake engages automatically. While ProDrive™ gives you all the traction you need, it is also gentle on soft soil. On a 4WD harvester, if a wheel loses traction, the hydraulic flow is automatically directed to the wheels that still have grip and you keep moving. On softer soil, a speed differential between the front and rear axles prevents the wheels from disturbing the soil when turning.



HIGHEST
GROUND
CLEARANCE
AVAILABLE
ON THE
MARKET



MORE SMILES PER HECTARE

CAB

It's quiet in here. You can focus and relax. You have all your comforts and tech tools at hand to enjoy hectare after hectare of pure productivity. Sit back and smile, you're in a 9000.



SEE MORE CLEARLY

More glass, less obstructions, less reflections, rain or shine, day or night. It's all about a better view of everything.

2 | ON TOP OF THINGS

The higher driving position gives you more control, the centre-cab seat adjusts to you, its air suspension protects you.

3 | INSTRUCTOR SEAT

Take a passenger along, or just fold it away to turn it into a practical workspace.



4 | CONTROL YOUR CLIMATE

Precisely adjust your air conditioning from the CommandARM™.

5 | ERGONOMIC CONTROLS

Perfectly laid out controls with programmable buttons on the hydro handle.

6 | ONE GLANCE, TOTAL INFORMATION

All essential operational data is displayed with extra sharp text and graphics for quick and effortless reading.

7 | STORAGE APLENTY

Lots of space available to store anything you need to bring along, including a large refrigerated compartment.

8 | ONE-HANDED CONTROL

All key controls, one multi-function lever: speed, header fold and lift, spout turn and lift, feedroll and header engagement.

9 | CHARGE AND CONNECT

Lots of 12V sockets for charging mobile devices, plus Bluetooth to connect to the audio system (optionally available with DAB+) for calls or music.

10

MAINTENANCE EASE

Enjoy the convenience of lubricating the pick-up from the cab. Add optional AutoLub to never again forget a lube point.



Thanks to their unique hard-wearing high-tech coating, Dura Line™ parts help significantly reduce in-season downtime.

SAVING FUEL ON THE ROAD

Getting a forage harvester from field to field on the road is not exactly its most productive time and costs you fuel and money. That's where John Deere engine speed management comes in: it reduces engine rpm during road transport while you maintain a productive ground speed – more fuel efficiency, more savings.



40 km/h speed limit depending on country.



GOOD FOR BUSINESS

The more resources you have available to you, the more you can accomplish, the more you can evolve. That's why everything about the new 9000 Series was designed to help you cut down your cost of operation.

COMPONENTS THAT LAST

In the end, it's about money: When the wear parts of your machine last longer, the machine becomes more profitable. That's why we packed the 9000 Series chock full of ultra-hard wearing Dura Line™ components throughout the crop flow – shearbars, knife holders, the chute – Dura Line™ is everywhere to let you go season after season without exchanging wear components.



LONGER SERVICE INTERVALS

Oils and filters in the engine and the hydraulic system need to be changed regularly – that's time and money. But in our case, less of that: change engine oil and filters only every 750 or 1,000 hours depending on the engine – up to 2,000 h for hydraulic oil and 1,000 for hydraulic filters.

POWERGARD™

STATUS: PROTECTED



When you protect your equipment with a PowerGard™ Protection plan*, your business has the steady machine uptime and nonstop peak performance it needs to thrive.

ALL-IN-ONE

Predictable lifetime costs

PRICE PROTECTION

Stay untouched from market volatility and price changes

MAXIMUM UPTIME

Regular scheduled servicing and maintenance combined with genuine parts ensuring that your machine runs reliably

SAVINGS ON FUEL AND FLUIDS

Regular maintenance optimises fuel efficiency and minimises running costs

HIGHER RESALE VALUE

Transparent Service History

*Participating dealers only, please ask for details

EXCEPTIONAL LIFECYCLE EXPERIENCE

PARTS AND SERVICES

We combine product excellence with an exceptional lifecycle experience to guarantee unmatched performance, maximum uptime and the lowest cost of operation throughout the entire lifecycle of your forage harvester.



JOHN DEERE LIFECYCLE SOLUTIONS



PREVENT

Premium components and scheduled routine maintenance

- Dura Line™
- PowerGard™ Maintenance
- Expert Check
- FarmSight™ Services



CORRECT

Fixing an issue as quickly as possible

- Service Advisor™ Remote
- Remote Display Access
- Remote Software Update
- 24/7 parts delivery
- Backup machine*
- Harvest Promise*



PREDICT

Identifying potential issues and replacing parts before they fail

- Uptime Expert Alerts
- Remote Machine Monitoring
- Performance Expert Alerts

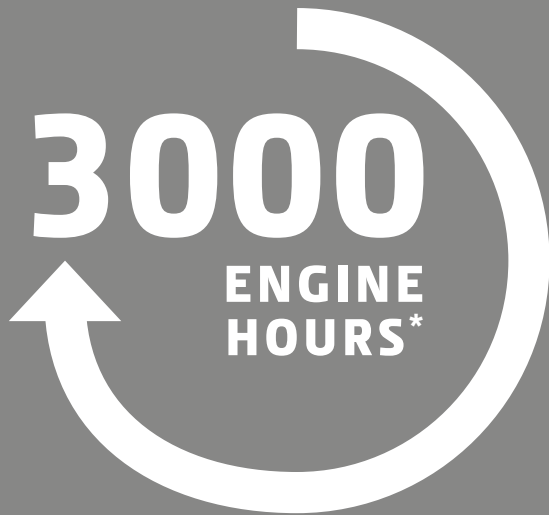


UPGRADE

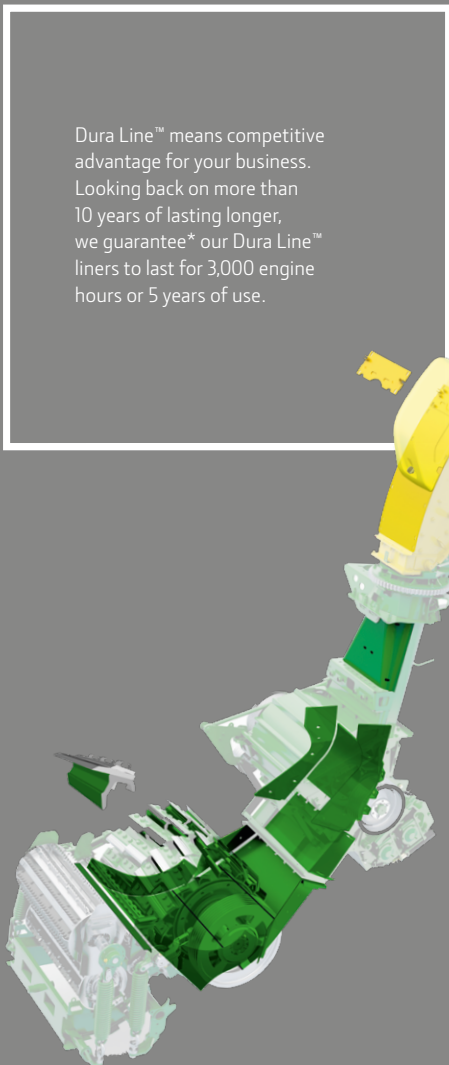
Installing performance & comfort upgrades, always utilising the full potential throughout the whole lifecycle

- Latest comfort and performance upgrades

3000
ENGINE
HOURS*



Dura Line™ means competitive advantage for your business. Looking back on more than 10 years of lasting longer, we guarantee* our Dura Line™ liners to last for 3,000 engine hours or 5 years of use.



🛡️ | PREVENT

COMPONENTS THAT LAST

To prevent downtime right from the start, we pack our forage harvesters full of ultra-hard wearing Dura Line™ components throughout the crop flow – shearbars, knife holders, the chute – Dura Line™ is everywhere to let you go season after season without exchanging wear components. Dura Line™ liners will save you cash since this unique coating will last four times longer.*

LAB-TESTED PROOF

To examine the quality of our wear parts, we took John Deere spout flaps and their competitors to a lab and sandblasted them to simulate wear. The result: John Deere Dura Line™ spout flaps last up to four times longer.*

*Guarantee excludes shearbar, knives, knife holders, smooth roll scrapers. Ask your dealer for details.

*Based on internal field test, comparing John Deere wear parts with and without coating.



 | PREDICT

MAXIMUM UPTIME WITH EXPERT ALERTS

Using our unique uptime Expert Alerts technology, your John Deere dealer remotely monitors the condition of your machine to identify potential machine faults and fix them before they can impact your work. When an issue is detected on the machine, you'll be contacted immediately to receive the proactive support you need to minimise downtime risk and allow you to continue to focus on your work in the field.





WE WILL KEEP YOU MOVING

With our Corrective Lifecycle Solutions in place, we will fix any issue as quickly as possible to give you maximum uptime and keep you working. Our connected logistics infrastructure gets nearly every part you need to where you need it in less than 24 hours. If an uptime-relevant part cannot be delivered within 24 hours, you're eligible to receive a backup machine*.



REMOTE DIAGNOSTICS

Thanks to our Connected Support Technologies, we identify machine issues and initiate solutions in real-time, even if you are in the field.



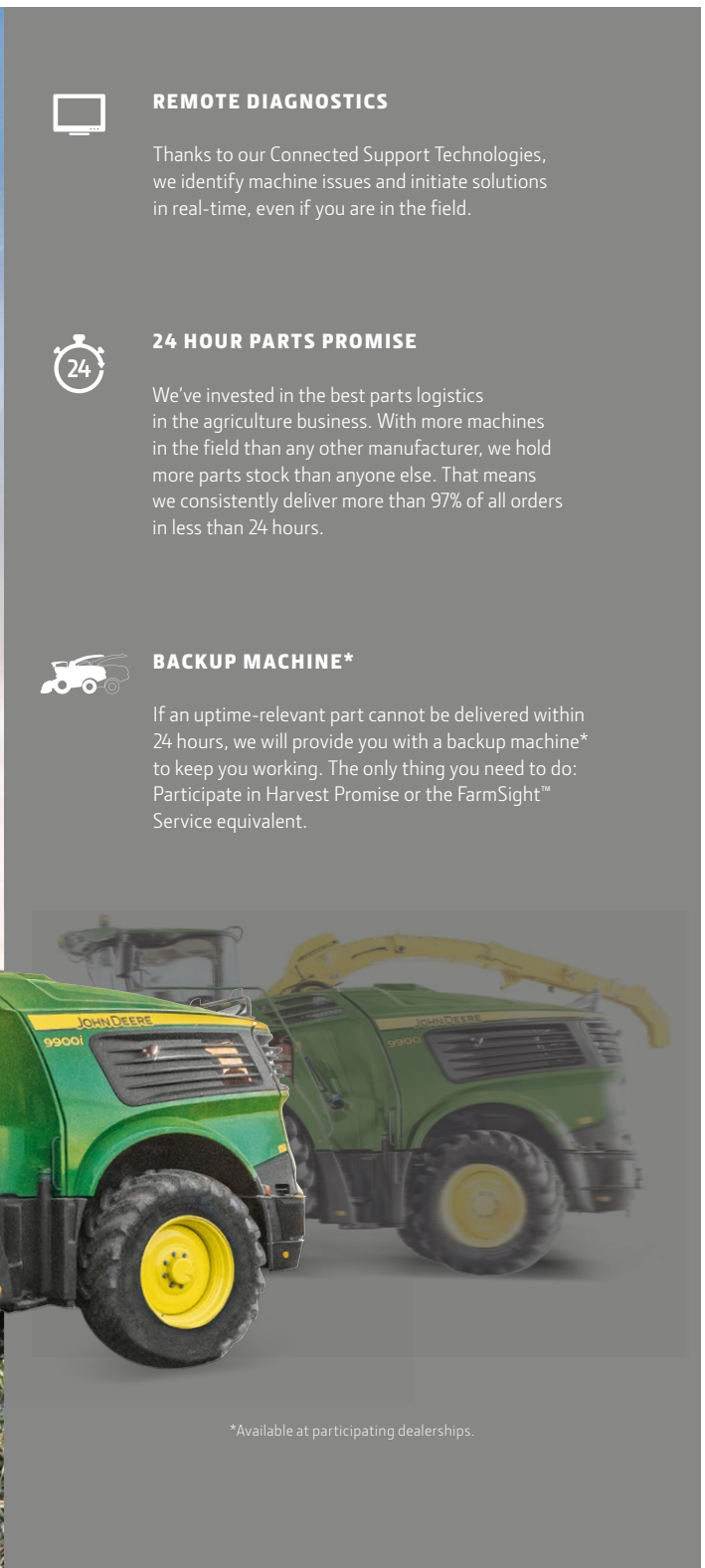
24 HOUR PARTS PROMISE

We've invested in the best parts logistics in the agriculture business. With more machines in the field than any other manufacturer, we hold more parts stock than anyone else. That means we consistently deliver more than 97% of all orders in less than 24 hours.



BACKUP MACHINE*

If an uptime-relevant part cannot be delivered within 24 hours, we will provide you with a backup machine* to keep you working. The only thing you need to do: Participate in Harvest Promise or the FarmSight™ Service equivalent.



*Available at participating dealerships.



↑ | UPGRADE

ALWAYS UP-TO-DATE

Our SPFH comes packed with future-proof technology that allows you to adapt your machine to your changing needs with our growing range of performance and comfort upgrades. Continue to take advantage of the full potential of your machine throughout its lifecycle by adding solutions like our HarvestLab™ Retrofit-Kit.



FAST AND FLAWLESS

GUIDANCE AND MACHINE AUTOMATION

Enjoy automatic hands-free guidance with John Deere AutoTrac™ – the essential feature for high-volume harvesting operations when you need to fully load the harvester hour after hour.

Apart from ensuring that you get a full header width with every pass, AutoTrac™ saves fuel by eliminating missed or skipped sections and lets you consistently harvest at higher speeds for hours. It also has the added benefit of taking away the stress of harvesting tall maize and other such row crops – you can relax and focus on other essential tasks and processes for cutting excellent silage. To get started with automatic AutoTrac™ guidance, take a look at our StarFire™ 7000 receiver for superior signal range and stability.



HIGH-EFFICIENCY HARVESTING

Exclusively designed for harvesting maize, Manual RowSense™ is an electro-mechanical system to precision-align the harvester with the crop rows and field contours, however irregular they may be. Easy to operate via a single button on the multi-function control lever, Manual RowSense™ will work in row spaces from 50 cm up to 85 cm.

AutoTrac™ RowSense™ is leading-edge technology that combines data from row sensors with satellite position data from the StarFire™ Receiver. Whether you're challenged with down maize, curves or uneven row spacing: AutoTrac™ RowSense™ always keeps you in the right row while maintaining speed and reducing stress.

TAKING THE LEAD – MACHINE SYNC

Using Machine Sync, a follower-tractor immediately mirrors speed and heading changes of the forage harvester so that drivers can fully concentrate on trailer filling. For example, once the back of a trailer is filled, the forage harvester driver can nudge the tractor to the next desired position without having to communicate new positioning via CB radio or hand signals.

RELAX, FILL, REPEAT – ACTIVE FILL CONTROL

John Deere Active Fill Control utilises a stereo camera to control the rotation and flap position of the spout automatically. The system can actively track transport vehicles and aim the crop from the best position to execute a desired fill strategy, also in rear-unload conditions when opening up a new field*. Meanwhile, you can relax and bring your focus to overall harvesting optimisation and machine operation.

*requires StarFire™ receiver



BETTER INFORMATION, MORE VALUE

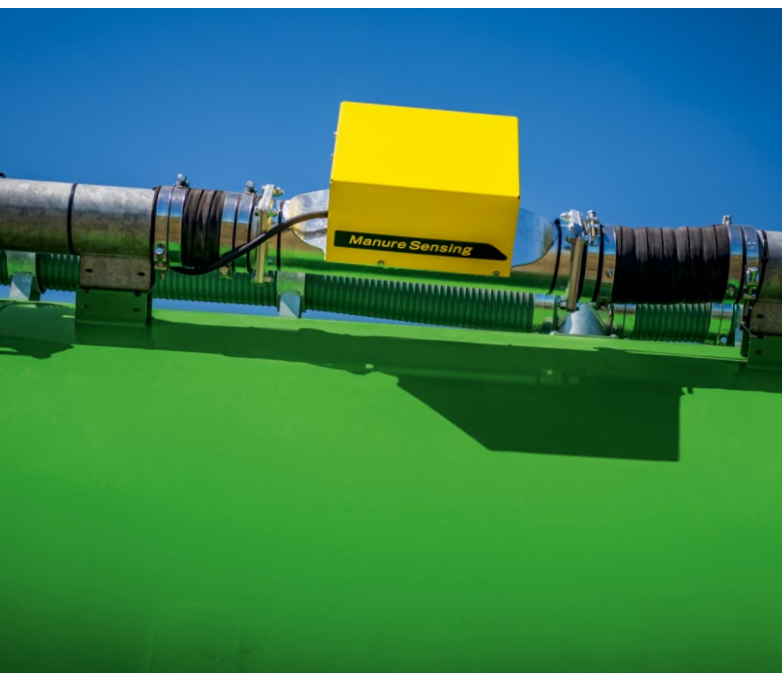
HARVESTLAB™ 3000 FORAGE AND MANURE ANALYSIS

Take real-time forage and manure information from the HarvestLab™ 3000 sensor and make in-field adjustments to create the best product you have ever delivered – on the fly, accurately and reliably.

ONE SENSOR, FOUR APPLICATIONS

You can use HarvestLab™ 3000 on an forage harvester, combine, slurry tanker, or as a mobile laboratory.

Fitting HarvestLab™ 3000 to a slurry tanker lets you precisely apply N/P/K in kg/ha, save on mineral fertilizer, and achieve better and more consistent crop growth and quality.



HarvestLab™ 3000 also pays off after manure or forage harvesting season: Take it off the machine to use the sensor as a stationary unit which measures the ingredients of your ensiled material from the clamp in order to optimise your feed rations.



	FORAGE HARVESTER	MOBILE LABORATORY	SLURRY TANKER	COMBINE HARVESTER
HarvestLab™ 3000 Sensor	■	■	■	■
Constituent Sensing Calibrations (maize & grass)	■	■	-	-
Turn Table & Stationary Kit	-	■	-	-
StarFire™ Receiver	■	-	■	■
4640 Display	■	-	■	-
Manure Sensing Calibrations	-	-	■	-
Manure Sensing Kit	-	-	■	-
Grain Sensing Calibration	-	■	-	■
Grain Sensing Kit	-	-	-	■

AWARD WINNING TECHNOLOGY

HarvestLab™ technology has proven itself in the field for years, and is a consistent favourite on the awards circuit.

Agritechnica
Silver Medal 2007
HarvestLab™

Agritechnica
Silver Medal 2011
Constituent Sensing

Fima Medal 2014

Agrotechnik
Bronze Sickle 2014

Agritechnica
Gold Medal 2015
Connected Nutrient Management



INTEGRATED CROP DOSING

HarvestLab™ 3000 sensor readings also work beautifully with another feature of the 8000 and 9000 Series: the fully integrated ADS Twin Line system doses silage additives based on time, harvested tons or on dry matter tons using HarvestLab™ 3000 sensor readings. Supplied from two different tanks, the dosing nozzles are positioned at air intake of the crop

accelerator and allow you to choose either fixed or variable dosing rates based on moisture readings from HarvestLab™ 3000. The twin tanks allow you to add two different inoculants together, or apply them at different times, giving you the flexibility to adapt to each specific job's needs.



Easy to read display



30 L concentrate tank

THE SECRET TO GREAT SILAGE

HARVESTLAB™ 3000 ON A FORAGE HARVESTER

HarvestLab™ 3000 simultaneously measures the dry matter and various constituents of harvested crops. Its sensor uses near-infrared-reflectance (NIR) technology that takes over 4,000 readings per second to produce instant and highly accurate data on the go. Since its introduction in 2008, thousands of HarvestLab™ units have been operating around the world, with excellent performance even in challenging field conditions.

The site-specific data from HarvestLab™ 3000 helps crop growers improve their field nutrient management much better than from a single sample sent to a lab. On a forage harvester, HarvestLab™ 3000 enables automated length of cut adjustment depending on dry matter content, ensuring optimum silage compaction and conservation. Livestock and dairy farmers profit from real-time detection of changes in feed quality and better silage additive control. Biogas producers like HarvestLab™ 3000 for the accurate information they get on the crop quality they buy.

NEW!

NEW!

CROP TYPE	DRY MATTER (DM)	CRUDE PROTEIN (XP)	STARCH	CRUDE FIBRE (XF)	NDF	ADF	CRUDE SUGAR (XZ)	CRUDE FAT	ASH	METABOLIC ENERGY (ME) (GFE2-008)	ELOS*
Maize	■	■	■	—	■	■	—	—	■	—	—
Grass	■	■	—	■	■	■	■	■	■	■	■
Alfalfa	■	—	—	—	—	—	—	—	—	—	—
Whole Crop Silage	■	—	—	—	—	—	—	—	—	—	—

*only available in stationary mode



CAPABILITIES AT ONE GLANCE

- DM, protein, starch, fibre, ADF, NDF, crude sugar, ash, metabolic energy and ELOS analysis on-the-go
- Automatic length of cut adjustment
- Precise dosing of silage additives
- Measuring results also accessible via the Operations Center

MOBILE INTELLIGENCE

THE EVERYWHERE LAB



You can use the John Deere HarvestLab™ 3000 sensor as a stationary laboratory unit or a mobile device powered by a vehicle to obtain instant information that allows you to manage your forage and feedstuff heterogeneity better.



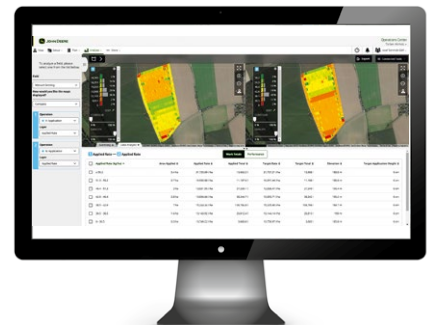
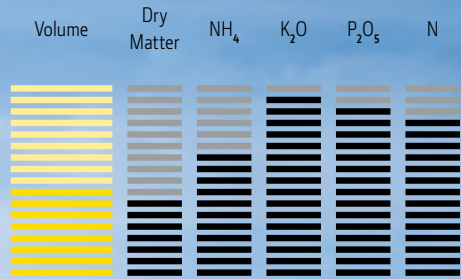
Daily analysis is critical for the best heterogeneity management - ensuring proper bunk management, feed rationing and livestock health. Save on unnecessary supplements while attaining higher yields in beef, dairy or biogas production and ultimately higher business profitability.



BE SMART ABOUT YOUR MANURE

HARVESTLAB™ 3000 ON A SLURRY TANKER

HarvestLab™ 3000 is manure technology with real bottom-line impact. Enjoy instant accurate on-the-go nutrient analysis with over 4,000 readings per second with comprehensive automated site-specific application and nutrient documentation. In the end, you can achieve higher yields with less mineral fertilizer, or get higher yields out of your manure by better spreading it across the field according to the nutrient needs of the soil/plants. HarvestLab™ 3000 is fully compatible with manure systems from Fliegl, Joskin, Kotte, Pichon, Samson and Vervaet, and you can also retrofit it to drag hose systems independent of brand.



1. Site-specific Application – John Deere Manure Sensing is controlled intuitively via the Generation 4 display. Prior to application, you define the target rate for one nutrient. You can then define a limit rate for a second nutrient. For an even higher level of precision you can also upload site specific prescription maps.

2. The NIR sensor constantly compares actual nutrient levels with target levels and automatically controls the speed and/or flow regulation to ensure the desired nutrient rate is applied. In case a given speed limit is reached, flow rates can be adjusted for selected slurry tanker brands.

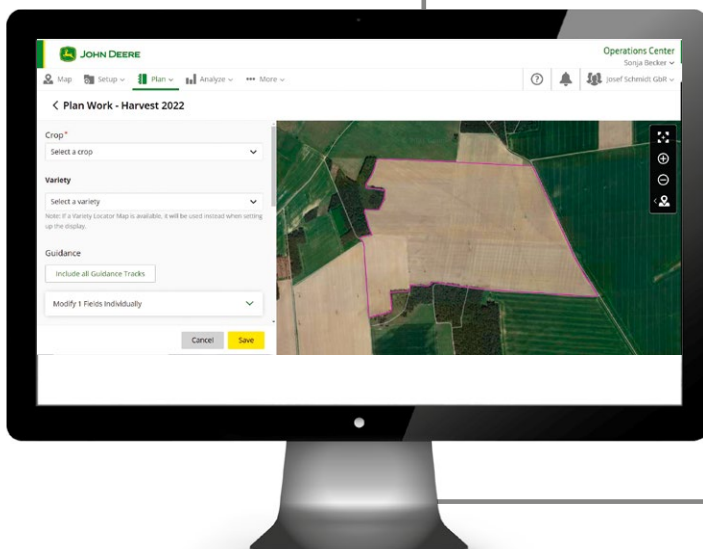
3. Documentation – Up to 4 nutrients can be documented site-specifically and sent to the John Deere Operations Center™. Based on this information, prescription maps for secondary mineral fertilizer application can be derived and sent back to the machine. This saves you mineral fertilizer costs and optimises the nutrient supply for your crops.

MANURE TYPE	DRY MATTER (DM)	N _{TOT}	P (P ₂ O ₅)	K (K ₂ O)	NH ₄
Pig	■	■	■	■	■
Cattle	■	■	■	■	■
Biogas Digestate	■	■	■	■	■



WORK PLANNER

The new work planner tool lets you set up your work in the John Deere Operations Center™ in advance and send it wirelessly to any JDLink™ connected machine. Once you enter the field, all it takes is one click to get started – no delays, no mistakes, and the added advantage of simplified record-keeping and documentation.





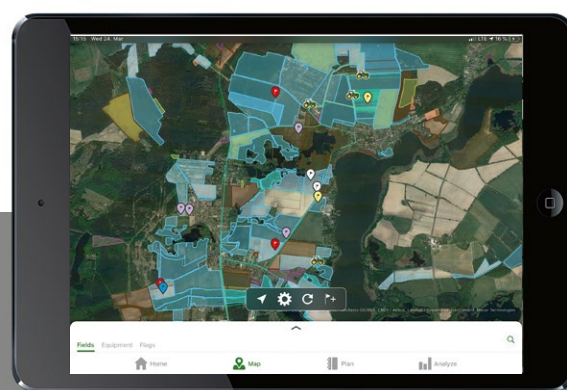
YOUR GATEWAY TO BETTER BUSINESS DECISIONS

You're managing a complex enterprise. That's why optimising the overall business depends on being well connected to your ongoing operations.

The John Deere Operations Center™ lets you turn agronomic insights into smart decisions that produce maximum yields at the highest quality while reducing your input costs. Plan your tasks for the upcoming season with a structured overview that makes it effortless to create display set-up files and work orders. Your documentation data is automatically uploaded from your in-cab display to your personal Operations Center account as tasks are completed. Now you can access your data from any internet-capable device and visualise it as a structured timeline allowing you to view your mapping or compare different map layers like yield, dry matter, protein, and more. Easily share specific data with your advisors and produce comprehensive clients reports with just a few taps or clicks.

+ YOUR BENEFITS

- All info in one centralised location, nicely structured and easily accessible
- Gain insights for smart, fact-based decisions
- Leverage numerous additional agronomic tools for further data processing and analysis
- Automated data transfer between machine and office in near real-time



John Deere Operations Center™ – Allocate exact field locations for the next tasks, track the work progress of your machines, assign work orders to your operators, view “as-applied” maps automatically sent from the field and create, analyse and share application reports with partners and customers.

SPECIFICATIONS

MODEL	9500	9600	9700
ENGINE			
Engine power (rated) @1,800 rpm (ECE R120, kW(PS))	515 kW - 700 PS	552 kW - 750 PS	589 kW - 800 PS
Engine power (max)	563 kW - 765 PS	579 kW - 787 PS	607 kW - 825 PS
Manufacturer	John Deere		
Type	JD18X		
Displacement	18.0 L		
Cylinders	In-line six		
Fuel system	Common rail plus four valves		
Emission regulation	Final Tier 4 / EU Stage V		
Air compressor	Optional		
Fuel tank capacity	1,500 L		
DEF tank capacity	NO DEF – 0 L		

MODEL	9800	9900
ENGINE		
Engine power (rated) @1,800 rpm (ECE R120, kW(PS))	640 kW - 870 PS	713 kW 970 PS
Engine power (max)	640 kW - 870 PS	713 kW 970 PS
Manufacturer	Liebherr	
Type	D9512 A7 04	
Displacement	24.2 L	
Cylinders	V 12	
Fuel system	Common rail plus four valves	
Emission regulation	Final Tier 4 / EU Stage V	
Air compressor	Standard	
Fuel tank capacity	1,500 L	
DEF tank capacity	103 L	



SPECIFICATIONS

MODEL		9500-9900
DRIVELINE		
Ground drive	ProDrive™ autoshift transmission, differential lock (automatic or manual), automatic wet brake system.	
	Engine rpm on road: 1,300-1,800 rpm for 9500-9700 / 1,200-1,800 rpm for 9800-9900	
Main hydraulics	Load sensing	
Main clutch	Dry clutch	
Number of clutch discs	Two discs	
Main driveband	Reinforced with Kevlar inserts	
	Eight grooves for 9500-9700 / Nine grooves for 9800-9900	
ELECTRIC SYSTEM / HYDRAULIC SYSTEM		
Type/voltage	12 V / 24 V	
Battery quantity/capacity	3 x 174 amp-hr	
Alternator	12 V-200 amp / 24 V-140 amp	
Hydraulic system capacity	50L	
GROUND DRIVE		
Maximum transport speed	20/25/30/40 km/h	
Rear axle type	Hydro-mechanical 4WD	
Automatic wet brake system	Standard	
Engine rpm management	Standard	
HARVEST CHANNEL		
Width	Wide body channel	
HEADER CONNECTION		
Infinitely variable header drive	Standard	
Lateral pivoting frame	Standard	
Multi coupler	Standard	
Auto PTO coupler	Optional	
Header height and float pressure control	Standard	
Hydraulic actuated lateral header tilt	Optional Advanced Header Control (AHC)	
Grass pick ups (transport width)	3.0 m, 4.6 m	
Maize headers	8, 10 or 12 rows (6.0 m, 7.5 m or 9.0 m working width)	
FEED ROLLS		
Feed roll frame opening	Swing away, 37-45 degree (angle)	
Number of feed rolls	Four	
Metal detector	Standard	
Stone detector	Optional	
Heavy duty feed roll	Optional	
Feeding channel width, front	830 mm	
Hydro feedroll drive with infinite variable length of cut	Standard	
CUTTERHEAD		
Cutterhead width / diameter	850 mm / 670 mm	
Speed at rated engine speed	1,170 rpm / 1,350 rpm (country specific)	
Number of knives	40 - 48 - 56 - 64	
Knife types available (crop)	Straight (grass/universal)	
	Curved (maize)	
Shearbar options	Grass, maize, Dura Line™ maize, Dura Line™ Plus	

SPECIFICATIONS

MODEL		9500 - 9900
LENGTH OF CUT		
40 knife cutterhead	7-25 mm LOC in 1 mm steps/ 1,170 rpm	
48 knife cutterhead	6-21 mm LOC in 1 mm steps/ 1,170 rpm	
56 knife cutterhead	4-18 mm LOC in 1 mm steps/ 1,170 rpm	
	4-16 mm LOC in 1 mm steps/ 1,350 rpm	
64 knife cutterhead	3-16 mm LOC in 1 mm steps/ 1,170 rpm	
	3-14 mm LOC in 1 mm steps/ 1,350 rpm	
KNIFE SHARPENING SYSTEM		
Reverse rotation	Yes	
Sharpening control	Remote from cab	
Sharpening modes	Grinding and finishing	
KERNEL PROCESSOR		
Available KP types	Premium KP™, XStream KP™	
Quick KP removal	Crane with remote controlled electric hoist	
KERNEL PROCESSING OPTIONS		
PREMIUM KP™ (NOT AVAILABLE FOR 9900)		
Housing	Standard KP housing	
Lubrication	Grease	
Roll diameter	240 mm	
Speed differential	32% (standard) 40% (option)	
Maize, sawtooth	118/118	
Maize, sawtooth Dura Line™	118/118	
Wholecrop, sawtooth	178/178	
XSTREAM KP™		
Housing	Heavy duty housing	
Lubrication	Pressurized oil	
Roll diameter	250 mm	
Speed differential	50% (standard) 40% (parts bundle)	
Maize, X-Cut Dura Line™	110/145 Sawtooth with additional spiral groove	
Wholecrop, sawtooth	145/165	
CROP ACCELERATOR		
Rotor width / diameter	620 mm / 560 mm	
Number of blades	10	
Rotor speed	1,890 rpm	
SPOUT		
Rotation	210°	
Reach from centre line (optional)	4.73 m (5.87 m, 6.71 m)	
Working height (maximum)	Height to spout: 6.60 m	
Spout camera	Optional	
Active Fill Control	Optional	



SPECIFICATIONS

MODEL		9500 - 9900
CAB		
Panoramic view windows		Standard
Touch screen display		Standard
Refrigerator		Optional
Bluetooth and DAB+		Optional
PRECISION AG TECHNOLOGY		
Yield monitoring		Harvest Monitor™ optional
Documentation		Harvest Doc™ optional
Crop analysis		HarvestLab™ 3000 optional
Length-of-cut control based on crop		AutoLOC™ optional with HarvestLab™ 3000
Assisted steering		AutoTrac™ or Manual RowSense™ optional AutoTrac™ RowSense™ and MachineSync

MODEL			9500 - 9900
VEHICLE			
FRONT TYRE OPTIONS			
MACHINE WIDTH	FRONT TIRE	REAR TIRE	
3.2 m	710/70 R42	620/70 R30	
	710/75 R42		
3.3 m	710/75 R42	620/70 R30	
	800/70 R38	620/75 R30	
	800/70 R42	650/60 R34	
3.5 m	900/60 R42	620/70 R30	
		620/75 R30	
		650/60 R34	
		710/60 R30	
			750/65 R26
VEHICLE DIMENSIONS			
Transport length (without header)			6.6 m
Transport width (without header)			3.2 m - 3.49 m
Transport height (to cab roof)			Below 4.0 m

NOTHING RUNS LIKE A DEERE™

As technology like the 9000 Series evolves and as your business evolves, you can count on one thing: we're there when you need us – for advice, to solve a problem, or for a part. Reach out, we'll be there with technicians who are factory trained, ready to go to work for you, using only genuine John Deere parts and products.



This literature has been compiled for worldwide circulation. While general information, pictures and descriptions are provided, some illustrations and text may include finance, credit, insurance, product options and accessories not available in all regions. Please contact your local dealer for details. John Deere reserves the right to change specification and design of products described in this literature without notice. The green and yellow colour scheme, the leaping deer logo and the JOHN DEERE word mark are trademarks of Deere & Company.