

R4140i/R4150i SERIES

SELF-PROPELLED SPRAYERS



JOHN DEERE

NOTHING RUNS LIKE A DEERE

FEEL NO LIMITS



FEEL NO LIMITS

The R4140i and R4150i are packed with the latest technologies for maximum productivity and efficiency. Experience the performance, versatility and speed of our new spraying champions from their spacious new comfort cab.

1 | LARGE SOLUTION TANK

Handle the tightest spraying deadlines with ease. The 4,000 litre R4140i and 5,000 litre R4150i are high performers for large-area coverage and a wide variety of crops.

2 | EXACTAPPLY

Cover each and every hectare with the same level of efficiency and minimise the overlaps at the nozzle level thanks to ExactApply.

3 | TERRAINCONTROL PRO AND TERRAINCOMMAND PRO

Waste less and protect better. Fully automated boom height and roll control with Active Centre Frame Control adjusts the boom centre-frame movement for unsurpassed boom position accuracy.

4 | NEW CATEGORY IV CAB

It's a new level of comfort and convenience in the cab: All controls right where you'd want them, a strikingly unobstructed view and Category IV cab air filtration compliance.



With tank sizes of 4,000 or 5,000 litres, you're all set to go the distance every time.



**STEEL BOOM
UP TO 36 M**



In perfect balance:
engine, spray boom
and solution tank.

5 | CONNECTIVITY INSIDE

Accomplish more with more ease: smart data management, built-in wireless communication, remote support and MyJohnDeere.com inside.

6 | ENGINE FORWARD DESIGN

Located up front with easy service access, the engine optimally counterbalances the boom and solution tank. It now also meets Stage V emission requirements.

7 | TRANSPORT SPEED

With up to 50kph, the unproductive time while transporting on the road will be limited as much as possible.

8 | QUADCONTROL TRANSMISSION

Move with precision and master spraying accuracy with ease thanks to the new cruise control and individual wheel slip control features.

9 | XTRAFLEX SUSPENSION

Individual pneumatic wheel suspension with automatic self-levelling system. Each wheel has up to 200 mm of vertical movement to adapt to uneven surfaces without bumps or jolts.

10 | POWERSPRAY AND AIRRINSE

From the operator station, fast filling, benchmark spraying accuracy, power agitation and fast efficient rinsing is yours at the touch of a Solution Command button.

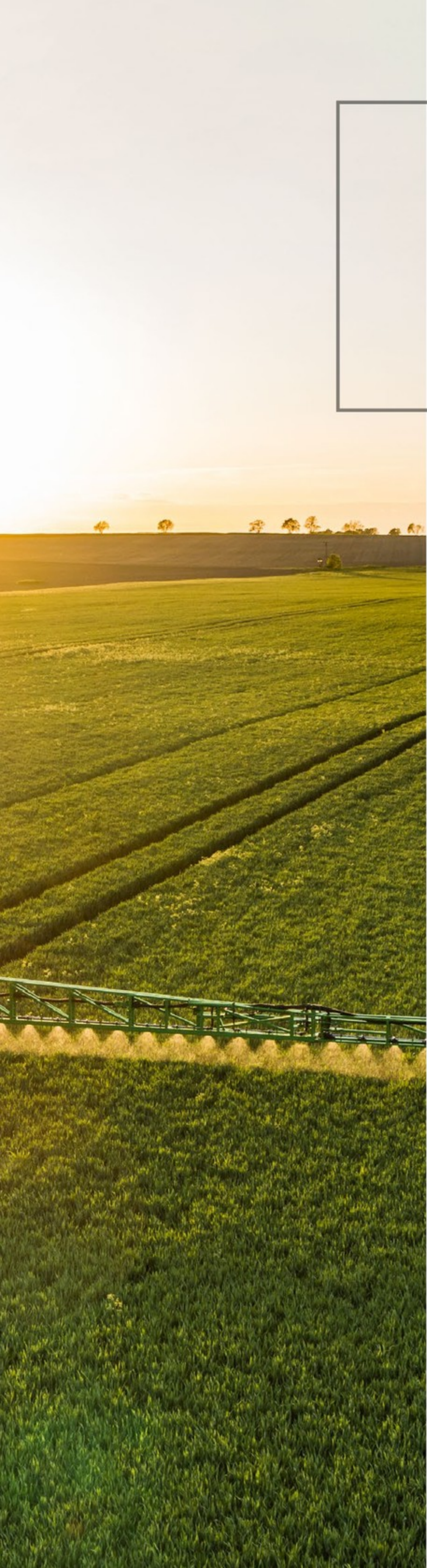
11 | JOHN DEERE NOZZLES

You have access to a wide range of high quality nozzles for applying chemicals and fertilisers in all crops and conditions.

12 | VERSATILITY










Change tread widths hydraulically to fit row widths and tramlines. Minimise crop damage and soil compaction with multimode 2, 4 or crab steering.





**ACHIEVE MORE: WITH A
THOROUGHLY UPGRADED
CAB AND THE LATEST
SPRAYING TECHNOLOGY**

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MORE ABOUT YOU, ALL ABOUT RESULTS

You already know exactly what to do – we build the R4140i and R4150i so that you can do it better. From planning and documentation, filling and transport, to spraying, rinsing and dilution – you’ll get every step just right, and finish faster than ever.

Explore how peerless boom ride quality, spraying precision, a new level of operator comfort and intuitive machine control combine to deliver a more profitable spraying experience.



Documentation



Filling



Transport



Spraying



Rinsing and dilution



HIGH VOLUME PRECISION

PowrSpray delivers benchmark accuracy at any speed or pressure with minimal overlap thanks to ExactApply individual nozzle control.



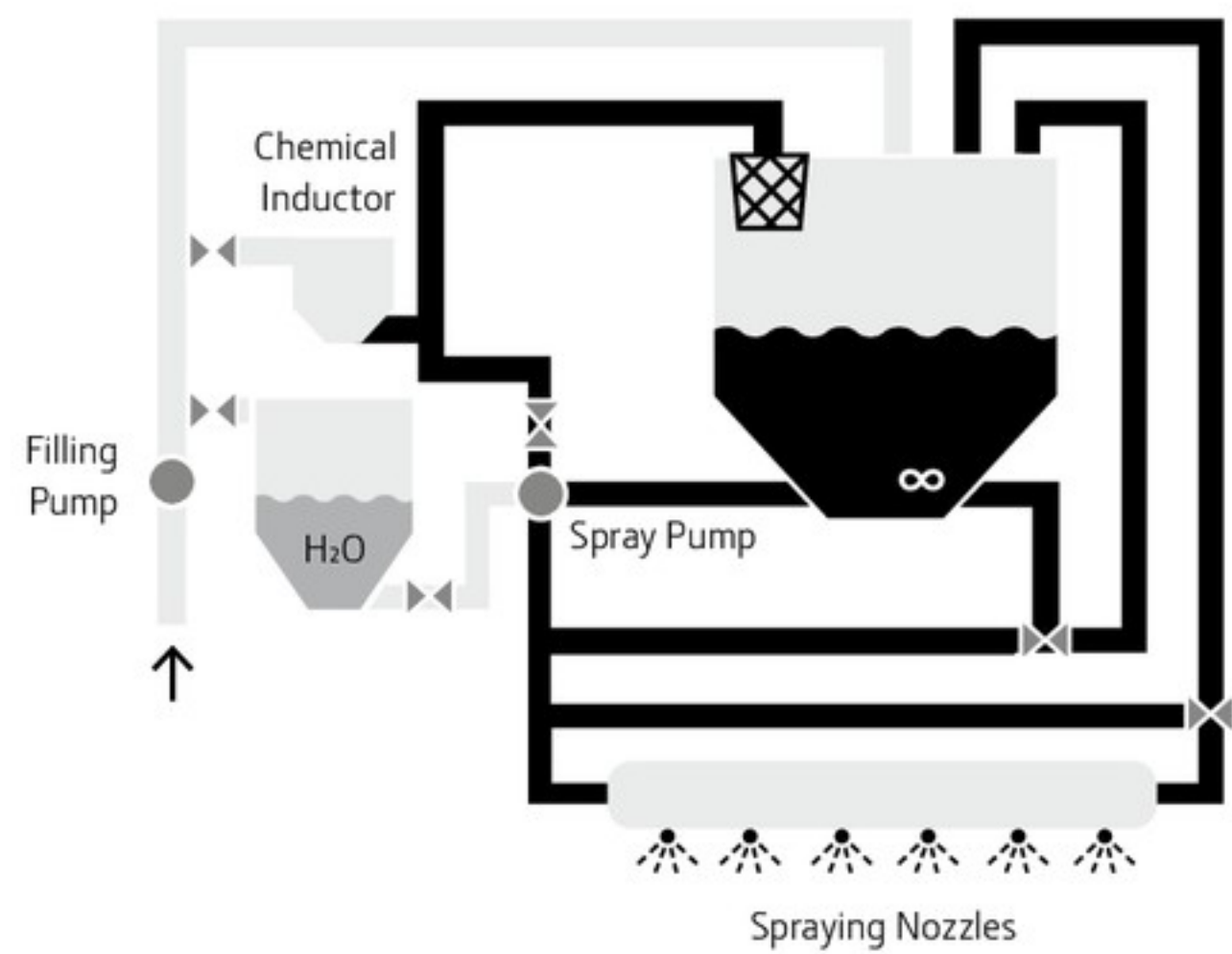
BIG COMFORT

Category IV cab air filtration standard-compliant, our new cab gives you room to operate with ease, smoothly riding on the XtraFlex wheel suspension, and puts you in full control with the 4640 Universal Display and the revamped CommandARM.





Boom ride quality – High speed spraying in challenging terrain becomes a smooth ride thanks to the combination of TerrainCommand Pro with Active Centre Frame Control.



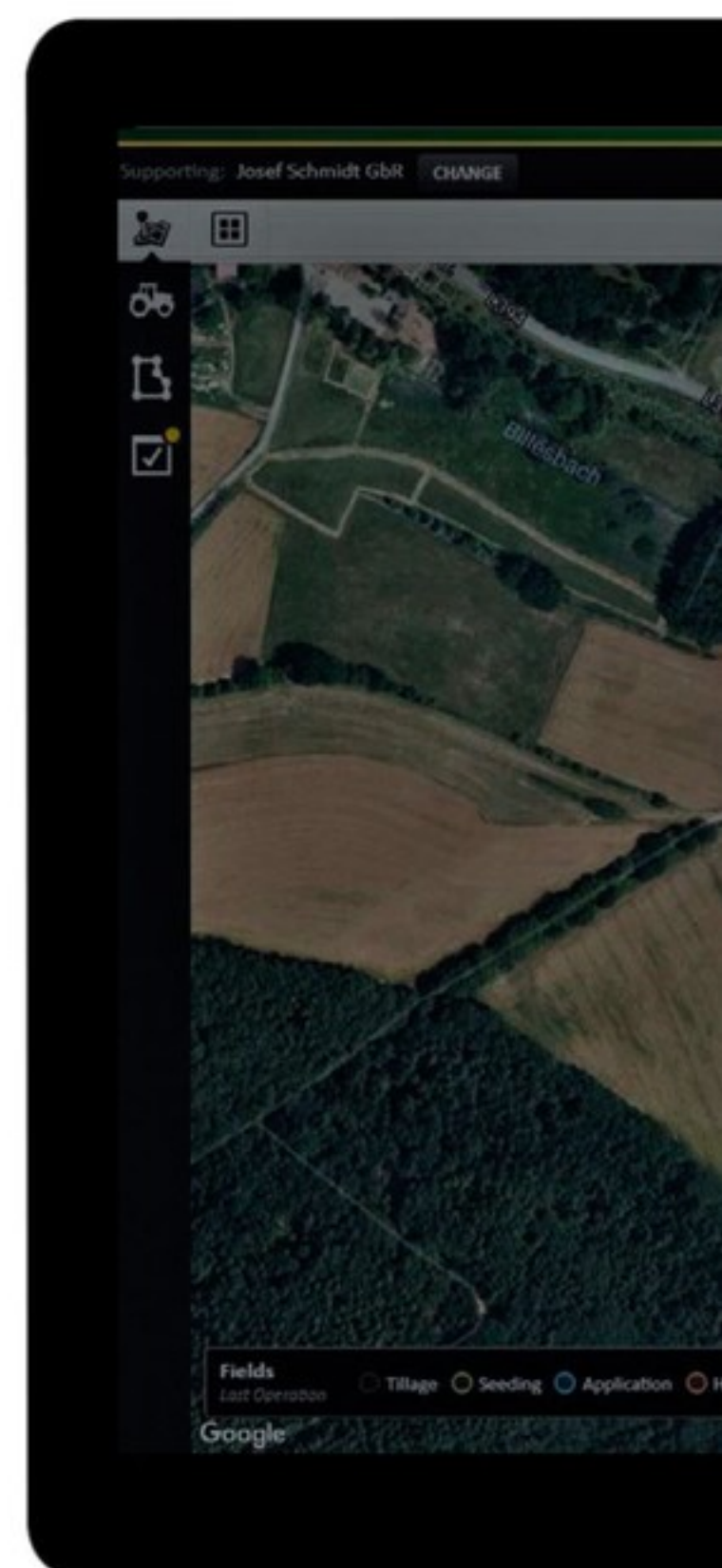
PowrSpray – Its unique 2-circuit design facilitates fast and efficient filling, spraying and agitation, with push-button control.



PLANNING FOR PRODUCTIVITY

DOCUMENTATION

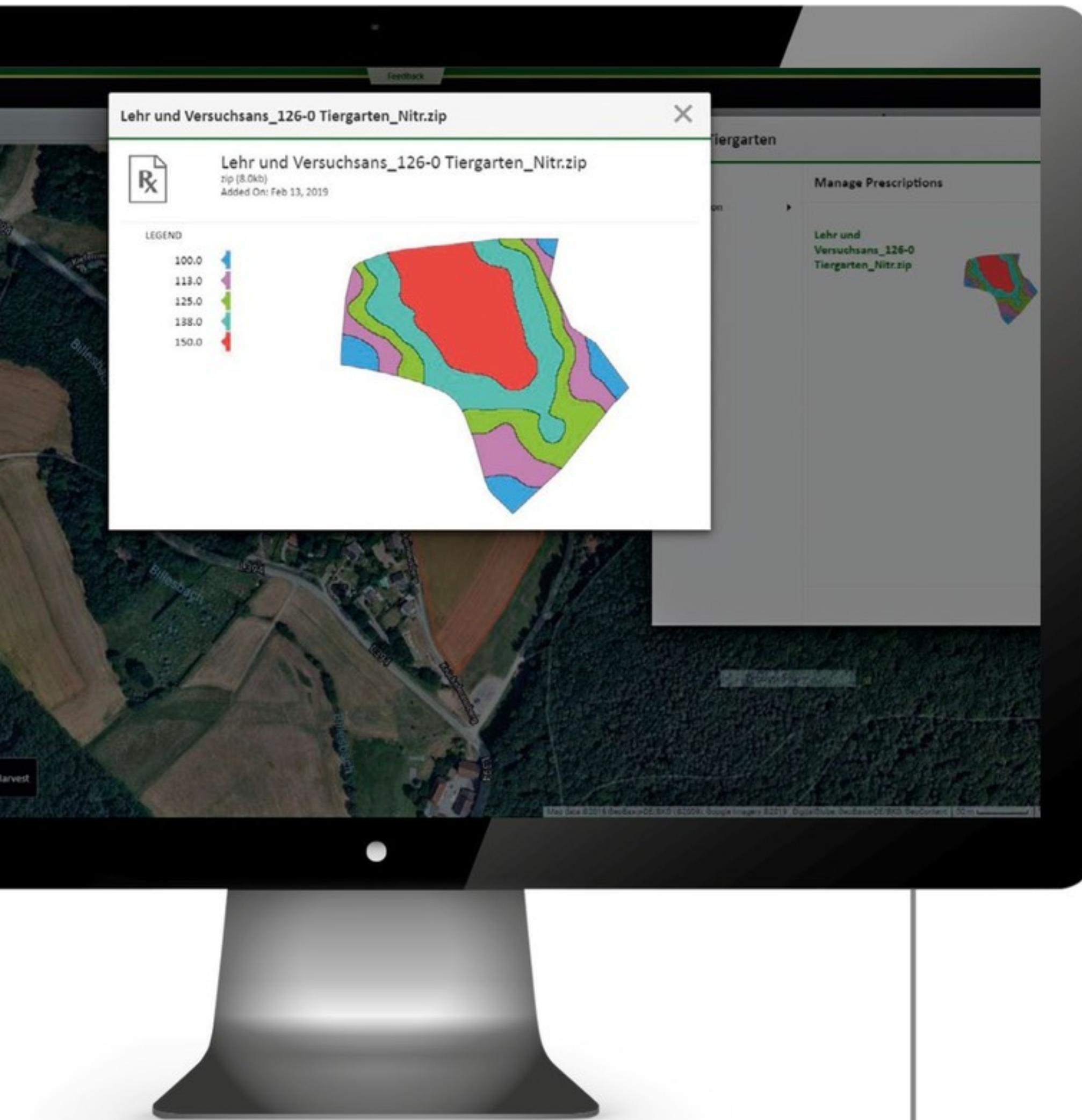
Create solid documentation to drive your business forward. With the right data, you can work more productively this season – then create prescription maps that take yields higher still the next time around.



The John Deere Operations Center on MyJohnDeere.com is both your command centre for planning your machine fleet and managing your spraying campaign, plus your digital field book. Locate and monitor your machines, wirelessly transfer work orders and prescription maps or analyse as-applied maps from any internet-connected device. The Operations Center also lets you seamlessly share data with trusted partners like your John Deere dealer or agronomist simply and wirelessly.

WIRELESS DATA EXCHANGE

See where your machines are, what and how they're doing, and remotely assist your operators with machine set-up and operations. Also transfer setup data to the 4640 Universal display before your start, then return your precise documentation back to the Operations Center when you finish – JDLink telematics makes that possible without the need for a memory stick.



VARIABLE RATE SPRAYING*

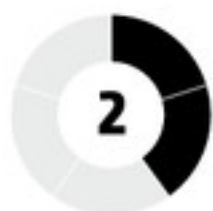
Just upload a prescription map to the 4640 Universal display and you're ready to go with variable rate spraying. Alternatively, connect a crop sensor.

*Let your John Deere dealer assist you with professional advice on this topic

MYOPERATIONS APP

John Deere MyOperations takes remote management of your field operations and equipment to the next level. It connects with the John Deere Operations Center, empowering you to evaluate expected vs. actual performance of job execution and machine utilisation.





SUPER FAST FILLING

FILLING

PowrSpray allows you to fill up to 5,000 litres in less than 5 minutes and still have all the time and clean water you need for adding chemicals and rinsing containers.

Filling with PowrSpray is simple, fast and convenient. Just type the amount of liquid you'd like to add into the new Solution Command Keypad and press Start. The dedicated filling pump immediately starts to fill at up to 1,200 l/min. When you want to add chemicals, Active Pause is engaged – filling of the solution tank is paused to give you all the time you need to add chemicals. Clean water is still available, as the filling pump continues to supply all you need for rinsing containers and measuring equipment. When you're finished adding plant protection products you can rapidly top up the tank at 1,200 l/min.

AUTOMATIC CLEAN WATER TANK FILLING

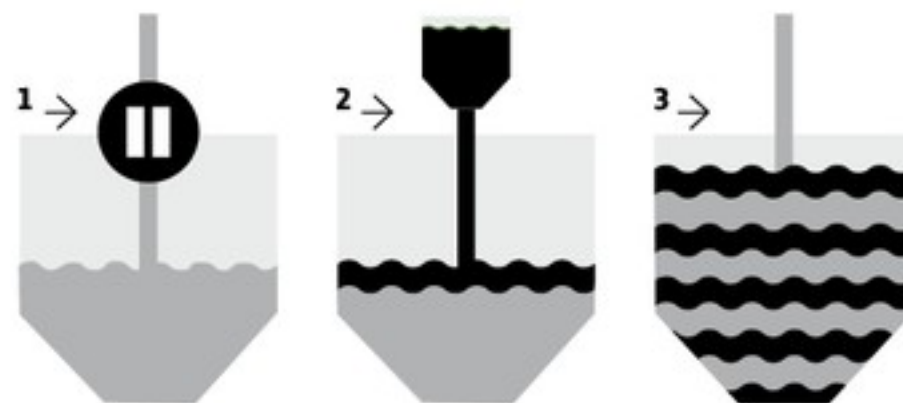
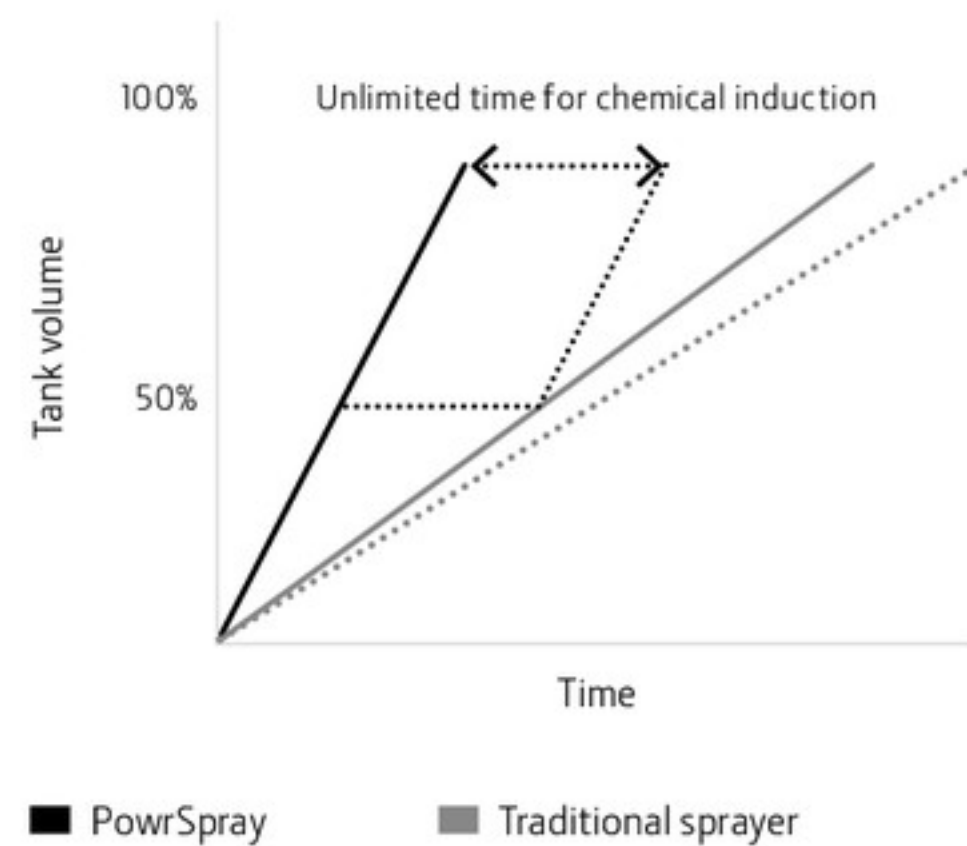
The PowrSpray dual-circuit system lets you fill the clean water tank at any time during the filling process – you'll eliminate a major bottleneck and get back into the field faster.





POWRFILL CHEMICAL INDUCTOR

It's fast, it's easy to use. Rinsing jets dilute the crop protection agents and clean the inductor after use. All product passes through the tank lid filter basket before reaching the solution tank, preventing accidentally sucked-in debris from entering the tank (e.g. can seals or leaves).



1. Fill half with water
2. Add chemicals
3. Fill the rest of the tank

ACTIVE PAUSE

With Active Pause tank filling pauses, but clean water is still available at the inductor. Chemicals can be filled and containers rinsed without the race against the filling tank common in conventional sprayers. After chemicals have been added, final liquid is added at high speed.

BOOMGUARD

Spray booms are particularly vulnerable to stress and wear during fast on-road transport. BoomGuard keeps vibration to a minimum, however rough the going gets. Pressurised accumulators in the boom lift provide extra support, for longer boom life and less risk of damage.



QUADCONTROL TRANSMISSION

Set your preferred speed and return to it with just a push of the hydro handle. Simple and convenient. In difficult conditions, wheel slip is controlled at each individual wheel for maximum performance.



XTRAFLEX WHEEL AIR SUSPENSION

The pneumatic, self-levelling XtraFlex independent wheel suspension has 200 mm of vertical travel for a smooth comfortable ride, whatever the conditions.





FAST, SAFE AND INCREDIBLY SMOOTH

TRANSPORT

Even fully loaded, the R4140i and R4150i are impressive transport performers. With cruise control and smooth pneumatic suspension they are both comfortable and productive.

Move faster. Cut down on unproductive travel time with speeds of up 50 km/h where laws permit.

POWER AGITATION

Need to incorporate difficult to mix chemicals? Power Agitation uses the full spray pump output to stir up the solution tank contents.



MORE CAB, MORE ABOUT YOU

CAB

It feels better in here. Cradled inside the wheelbase, the comfortable stress-free ride of the new cab keeps you productive and focused – well isolated from terrain by the XtraFlex wheel suspension and a supportive air-cushioned seat, the pressurised cab seals you in against dust, aerosols and vapours* while powerful air filtration has you breathing healthily.

And then there's the view: totally unobstructed sightlines to your booms and front wheels to keep you on track with relaxed precision.

NIGHT IS DAY

Powerful LED lighting allows you to stay productive well into the evening hours.



BREATHE, IT'S SAFE

Your health is a priority in the cab. Pressurisation and a filter keep dust, aerosols and vapours* outside and give you the clean air quality you are entitled to.



*Applies to the Cat 4 compliant option. Standard cab is sealed and uses active carbon filters.



YOUR CAB, YOUR PRIORITIES

Pay only for what's important to you.
There are two packages available for the cab.

DELUXE:

- Fabric seat
- Optional radio or Bluetooth radio
- Halogen work lights

PREMIUM:

- Heated/vented leather seat
- Optional Bluetooth radio w/subwoofer
- LED work lights



Doesn't do your job for you, but it's close: the next-level ergonomics of the multi-function handle and the CommandARM

COMMANDARM AND COMMANDCENTER

Sprayer function monitoring and control just took a big leap forward: the integrated John Deere 4640 Universal display puts all relevant sprayer information right in front of you, easy to read, logically presented. You just reach out and do what has to happen next.

JUST THINK IT

CONTROLS

Because the doing part comes naturally with controls that are a seamless extension of you: integrated 4640 Universal display, a revamped CommandARM and the multi-function handle.

NEW MULTIFUNCTION HANDLE

Actually, it's more like an extra arm or two, that's how much is possible here. With fluid ease, you control forward/reverse speeds and the park brake in a responsive push or pull. Then intuitively execute an array of other functions with buttons right at your fingertips, some even with dual functions accessible in conjunction with the foot switch.

- 1 | Speed
- 2 | Boom roll control
- 3 | Boom levelling
- 4 | Spray Master on/off with LED indicator showing status
- 5 | AutoTrac engagement
- 6 | Terrain CommandPro engagement
- 7 | Boom height control
- 8 | Variable boom geometry
- 9 | Boom sections
- 10 | All sections resume
- 11 | Solution pump off

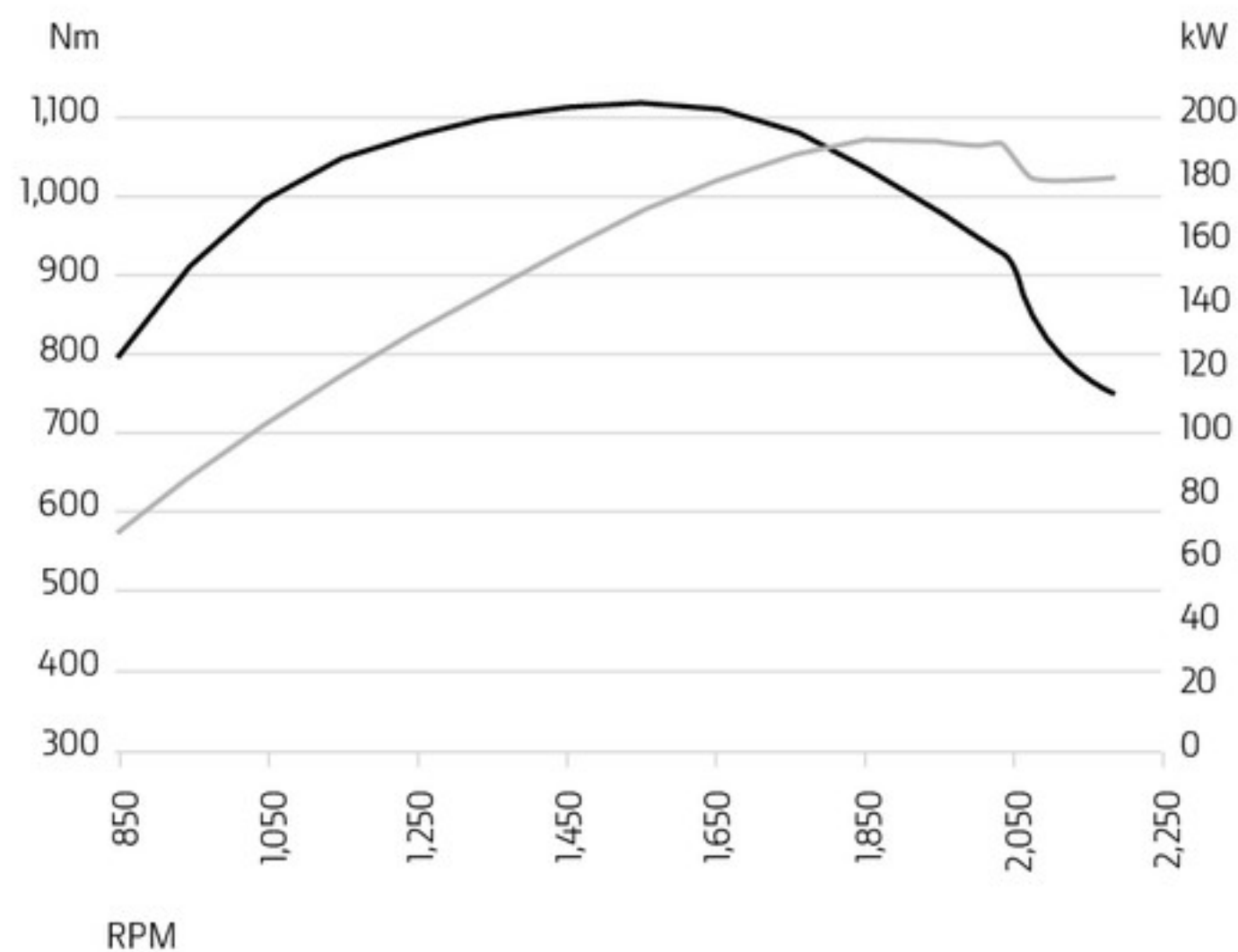


POWER WITH A HEAD FOR BUSINESS

ENGINE

Our PowerTech PVS 6.8 L 6 cyl. engine is well known for delivering steady powerful performance with less fuel and lower emissions. It's also fully Stage V compliant.

Its refined 4-valve High Pressure Common Rail technology is assisted by a Variable Geometry Turbocharger that boosts performance and efficiency across the torque curve.



Wide, constant power band maintains increased engine performance at lower rpm, saving fuel without sacrificing performance.

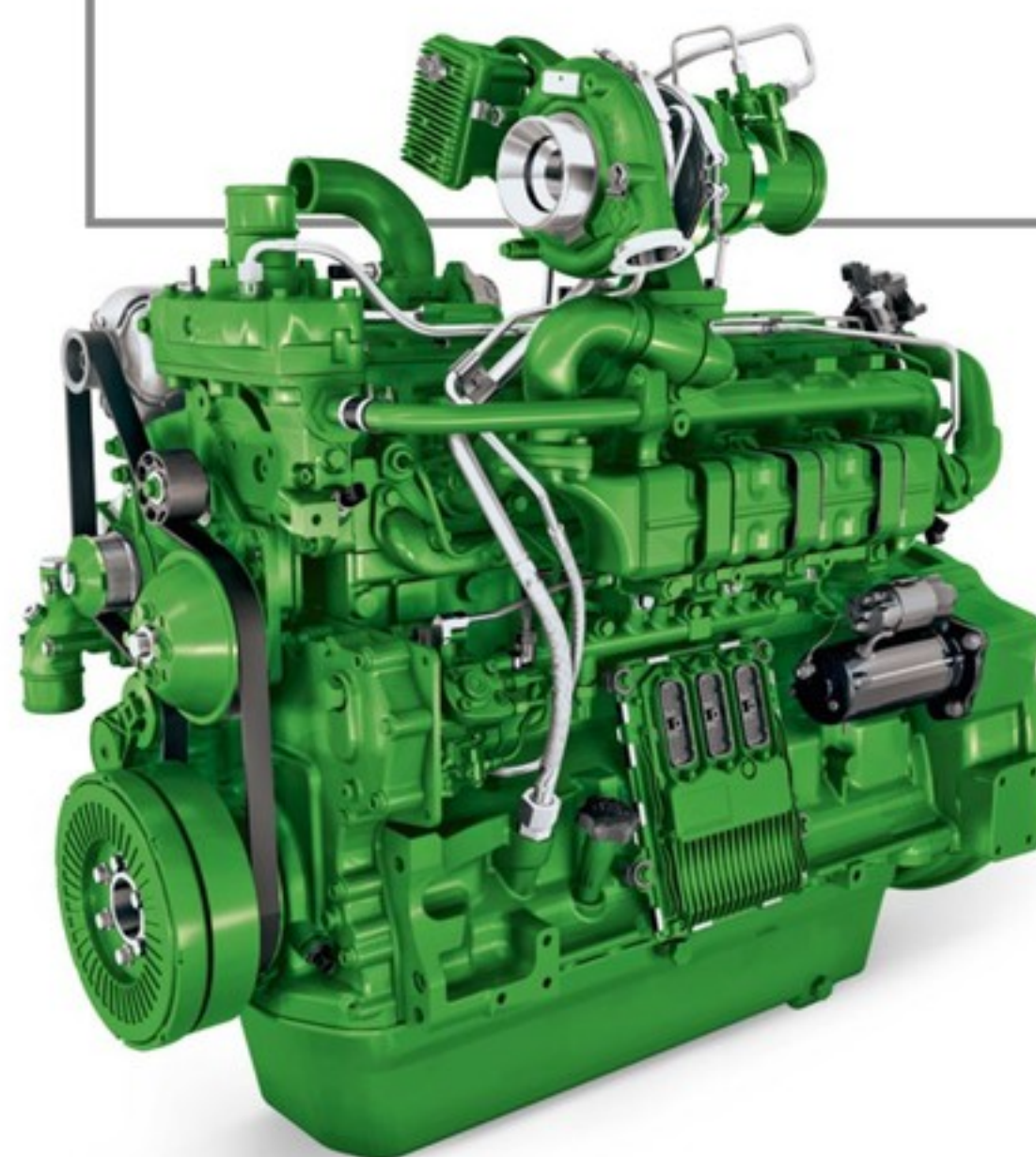
■ Power
■ Torque





QUALITY FIRST

The John Deere PowerTech PVS 6.8 l engine is specifically designed for agricultural applications. Like other core components of the R4140i and R4150i, we build it ourselves, in accordance with our own stringent quality standards.



The innovative distributed cooling design of the charge air cooler (CAC) allows the fan to run at a speed independent of the main fan, further improving fuel efficiency.

ULTRASONIC PRECISION

SPRAYING

TerrainControl Pro, TerrainCommand Pro and Active Centre Frame Control complement the already exemplary mechanical boom stability of the R4140i and R4150i. You now get fully automated boom height and roll control on the most solid and accurate spraying platform you have ever experienced.

ABSOLUTE PRECISION

No misses, no drifting, just consistent coverage – automatically. With TerrainControl Pro and TerrainCommand Pro the boom is always where it needs to be for optimum coverage. Purpose-designed Hybrid-mode sensors simultaneously track both soil and crop, learning the crop height to prevent lowering into areas of down crop. Active Centre Frame control eliminates unwanted movement and prevents boom leaning during headland turns.



Three to five ultrasonic sensors with IMU's help position the spray boom correctly at all times – maintaining constant spraying heights, for less drift, higher speeds and reduced operator stress.

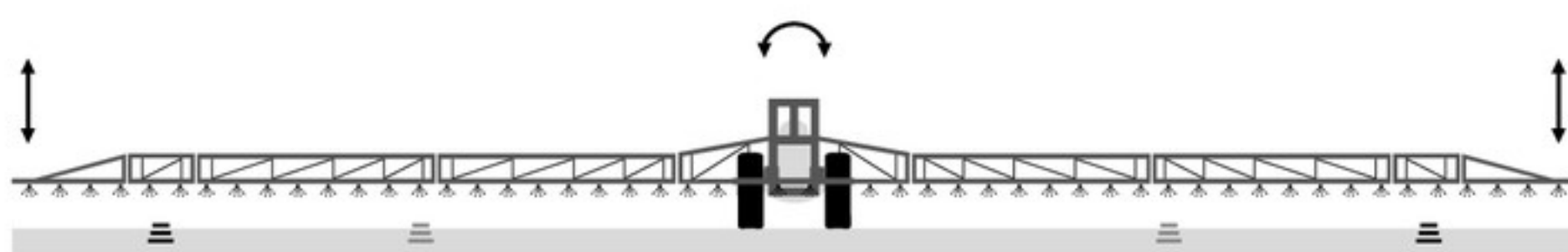
PowrSpray's Direct Rate Control swiftly reacts to speed changes or section switching to greatly reduce over and under dosing. In Variable Rate applications, the adjustment is practically instantaneous.



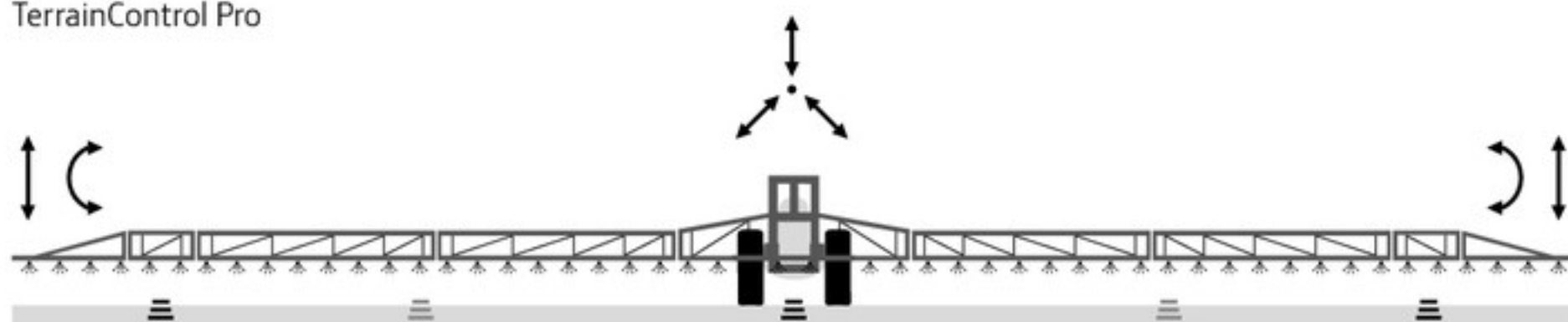


PERFECT BOOM ALIGNMENT

≡ Ultrasonic sensor with IMU
(Inertia Measurement Unit)



TerrainControl Pro



TerrainCommand Pro

TerrainControl Pro features Active Centre Frame Control for maximum precision: Ultrasonic and IMU sensors (Inertia Measurement Unit) measure the complete boom centre frame roll movement, the changes in the roll movements and the speed changes in the roll movements. The standard boom roll (tilt) cylinder then compensates for any boom roll detected to eliminate the effects of chassis roll on nozzle height above the crop and the transfer of movement between opposite sides of the boom. TerrainCommand Pro adds to this automatic control of the boom variable geometry, independently on either side.

NOZZLE CONTROL (R)EVOLUTION

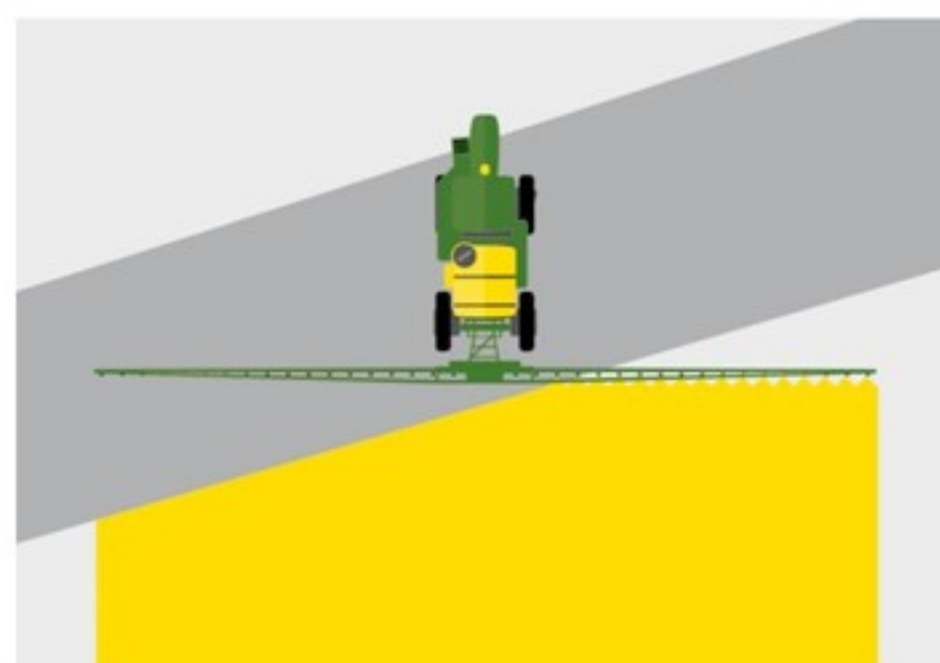
EXACTAPPLY

We never stop improving. ExactApply* nozzle control is more accurate, lowers input costs and increases your yield potential.



ExactApply is a big step forward in nozzle control systems: from simple section control to individual nozzle control with much more precise application management. Cover more of your crop with better precision, maintaining your target rate and pressure over an unprecedented range of speeds, while you decrease overlap and reduce input costs. Exact, as in specific: In conjunction with Turn Compensation, ExactApply automatically varies the rate across the entire boom for the correct application rate in a specific area.

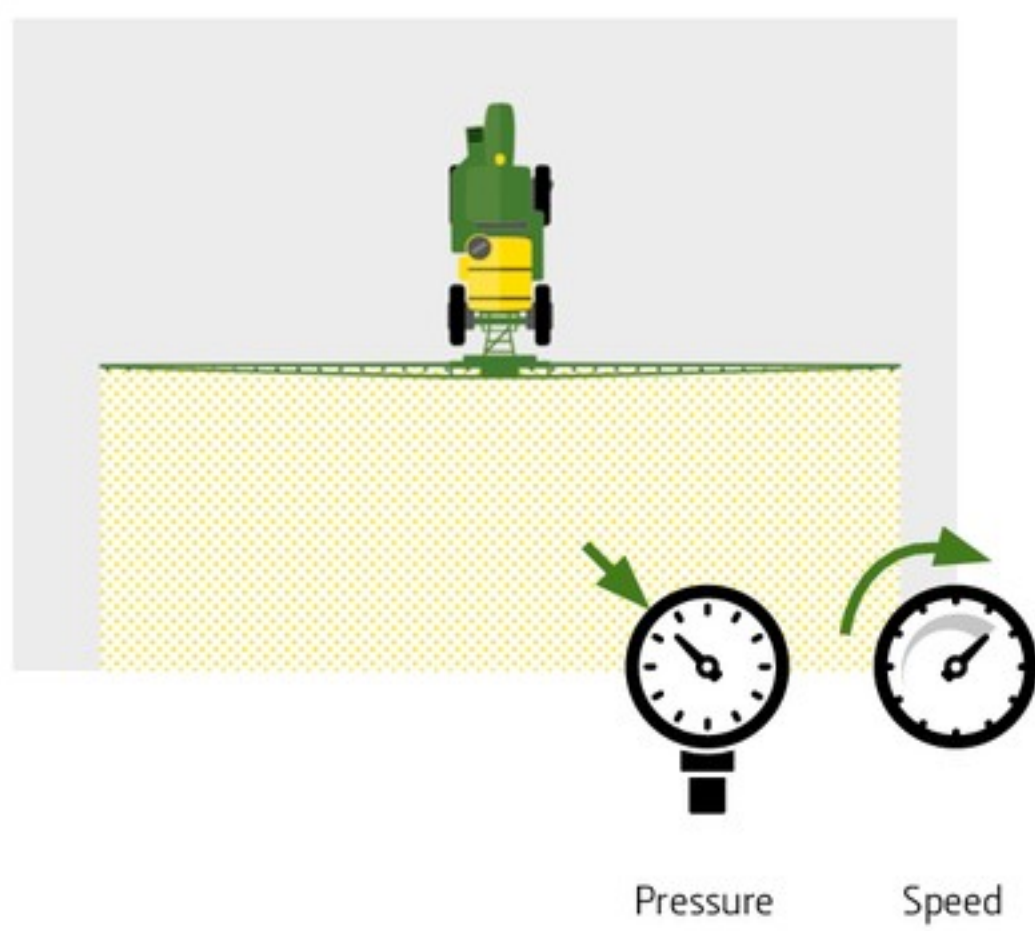
INDIVIDUAL NOZZLE CONTROL



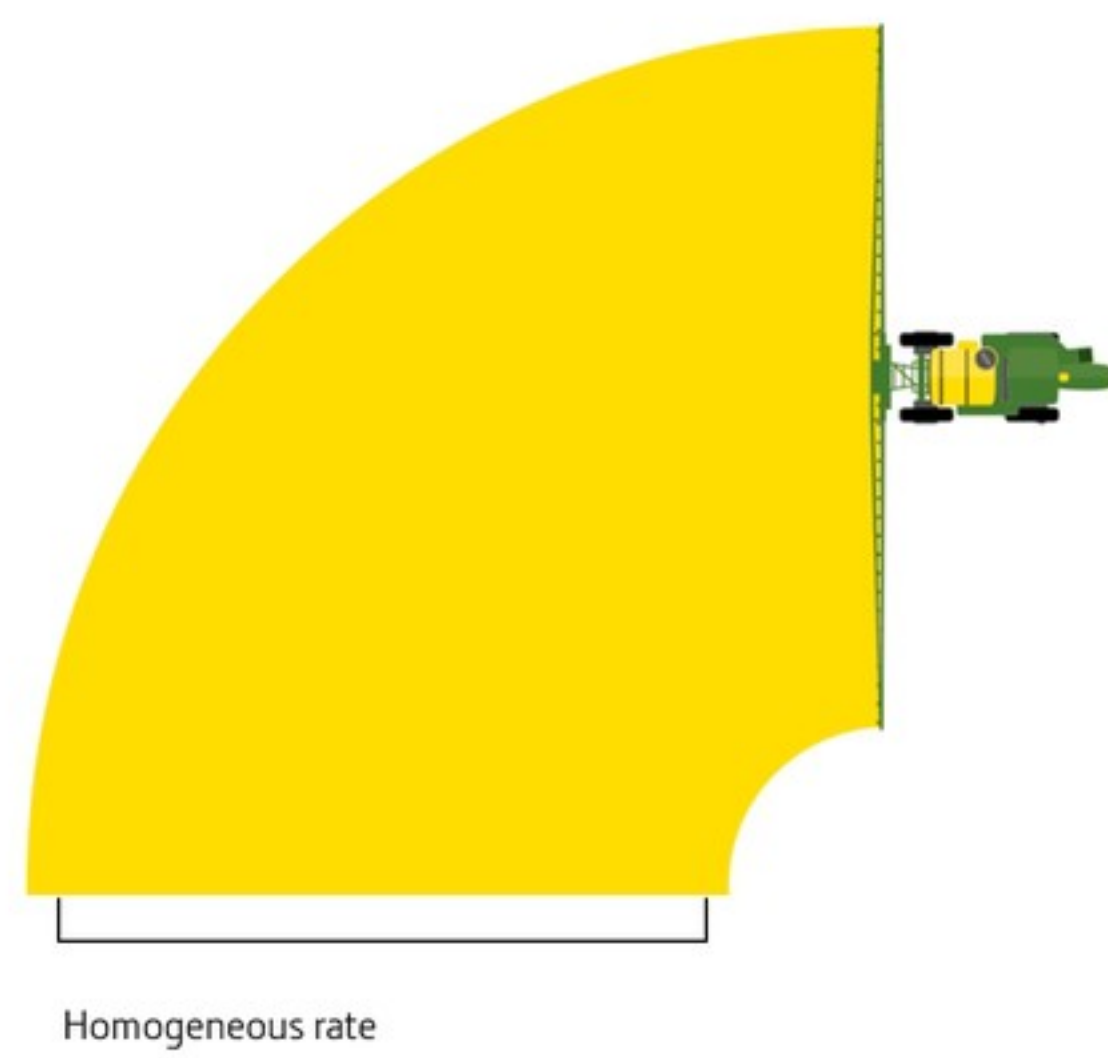
*ExactApply is available as an option



HIGH FREQUENCY PULSING



TURN RATE COMPENSATION



PRECISION SPRAYING STARTS WITH THE NOZZLE

SPRAY NOZZLES

In conjunction with nozzle partner Hypro, John Deere offers a range of nozzles to suit all crops and conditions. Whatever you are spraying, we've got you covered.



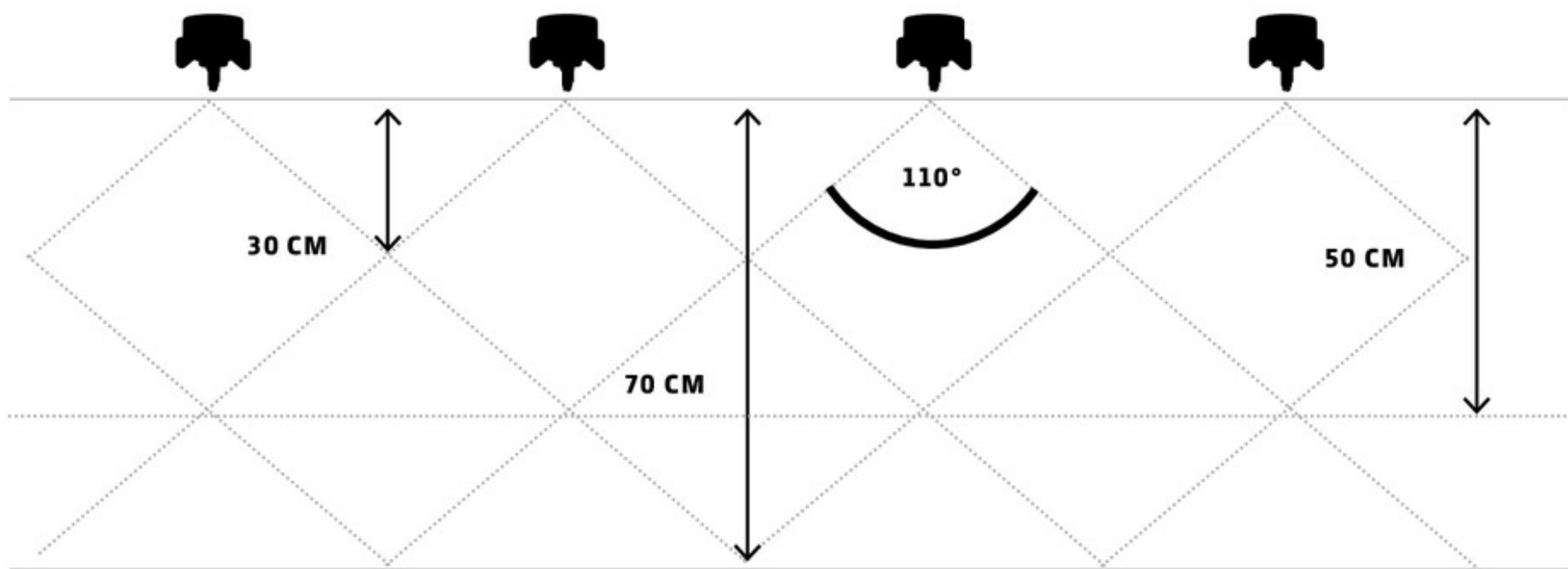
Our spray nozzle brochure provides additional information: ask your dealer for your copy of "The key to successful spraying".

SELECTING THE RIGHT NOZZLE

You know that selecting the right nozzle is vital for efficient spraying. The John Deere range offers a nozzle for almost all situations, application rates, crops and products. Be mindful of performance indicators like drift resistance, degree of coverage as well as size of the drops in relation to spraying angles.

REDUCE DRIFT

Air induction nozzles are state-of-the-art for drift reduction without sacrificing target coverage. Large, drift-resistant droplets are produced, but with air inside. The droplets burst on impact, depositing the spray liquid on the target. John Deere air induction nozzles include the ULD, LDA and GAT models.



Choose a standard spraying angle of 110° at a boom height of 50 cm.



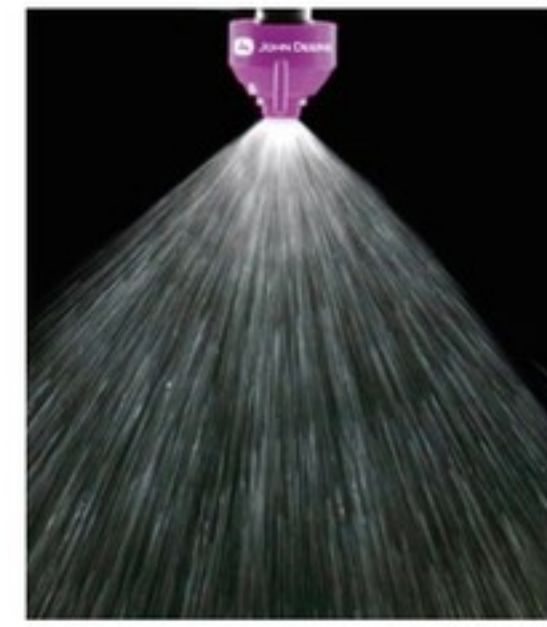
Extended Range (ER) –
Post-emergence, herbicides,
fungicides and insecticides,
(ExactApply 15hz and 30hz
PWM compatible)



Low-Drift Air (LDA) –
Contact herbicides, fungicides
and growth regulators



Guardian Air Twin™ (GAT) –
Fungicides, dessicants, contact
herbicides



Ultra-Low-Drift (ULD) –
Pre-emergence herbicides



Straight Stream Ceramic (STC)
– Liquid and leaf fertilisers
(ExactApply 15hz and 30hz
PWM compatible)



3D Nozzle – Contact
Herbicides, Insecticides and
fungicides (ExactApply 30hz
PWM compatible)



Low-Drift Max (LDM) –
Systemic herbicide ExactApply
15hz and 30hz PWM compatible



Low-Drift Twin (LDT) –
Fungicides, insecticides and
contact herbicides (ExactApply
15hz and 30hz PWM
compatible)



SAFE AND FAST

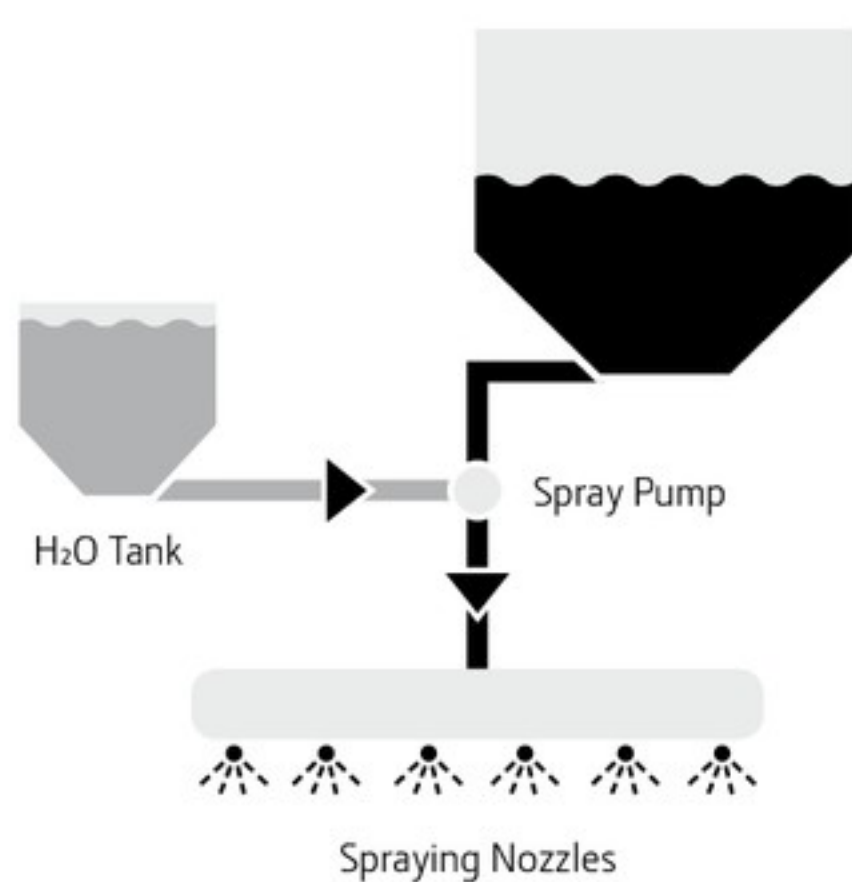
CLEANING

Rinsing and dilution are easy with the R4140i and R4150i. Multiple rinsing modes, including AutoDilute, Continuous Dilution, System Rinse, Rinse Cycles, Boom Rinse and AirRinse are enabled at the push of an in-cab button. The PowrSpray solution system, with 45% less residual volume than conventional sprayers, guarantees efficient use of your on-board rinse water. Simple and safe.



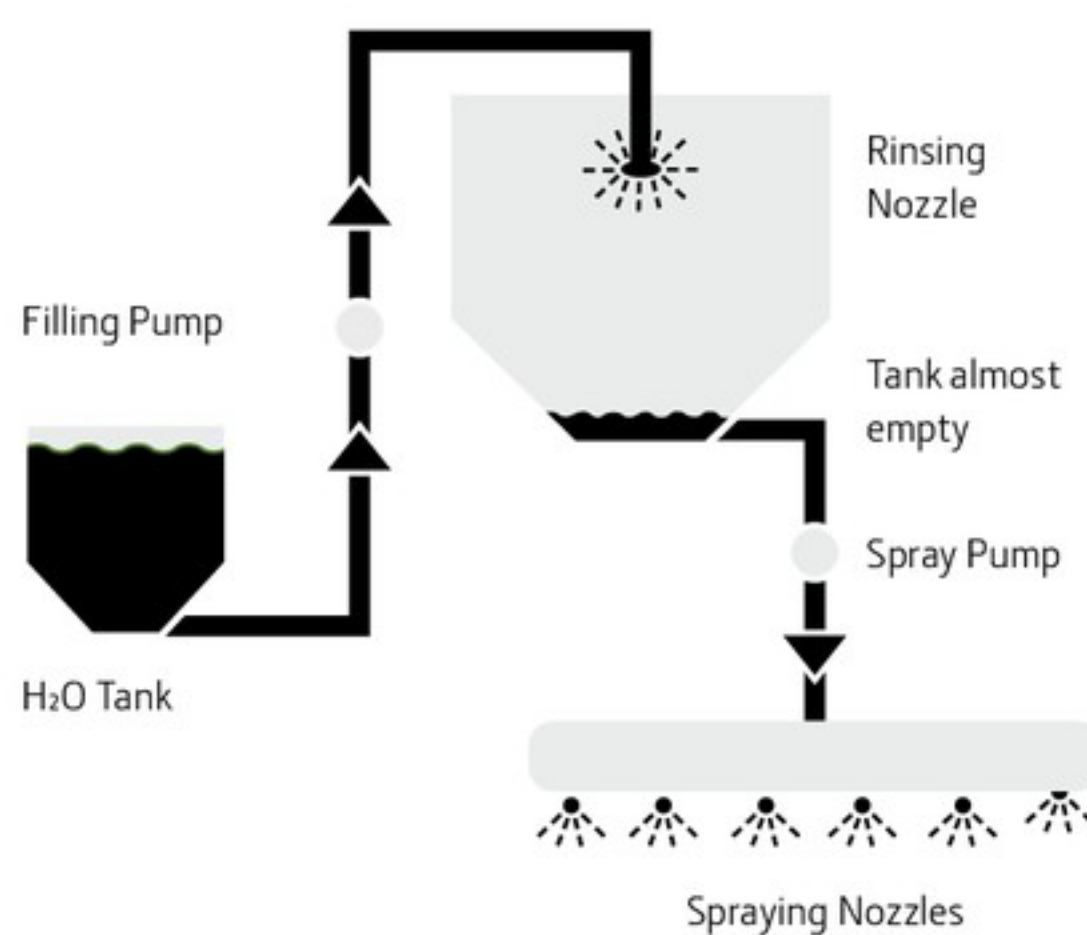
Thorough: the R4140i and R4150i feature rinsing modes and multiple rinsing options.

Boom Rinse



Activate Boom Rinse at the push of an in-cab button to reduce residual volume and ensure efficient use of on-board rinse water.

AutoDilute / Continuous Dilution



AutoDilute – The AutoDilute Rinse Calculator works out how many rinse cycles are needed to meet your dilution requirements. Once done, multiple automatic dilute-rinse-spray cycles lower the concentration of the residual liquid. It's foolproof, and gives you absolute peace of mind.



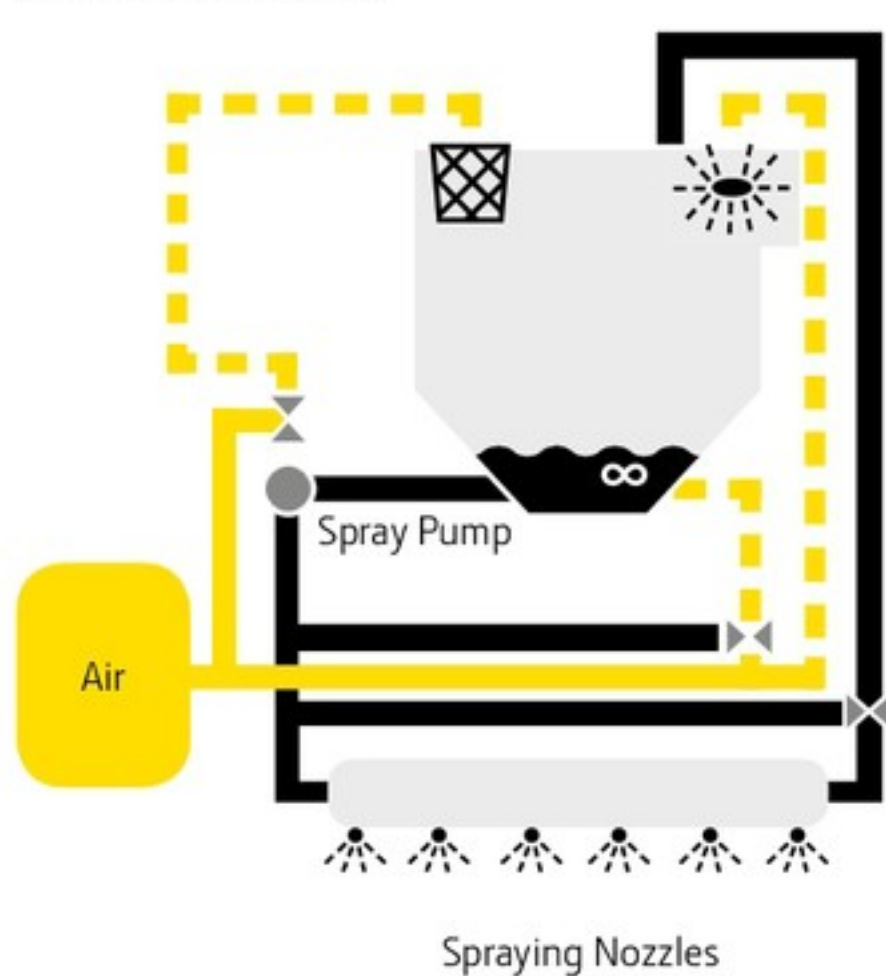
AIRRINSE

Thanks to PowrSpray the R4140i and R4150i have a very low residual volume: 50 litres, around 45% less than average Self Propelled Sprayers. AirRinse uses pressurised air to then further reduce the residual liquid, limiting the rinsing time as much as possible.

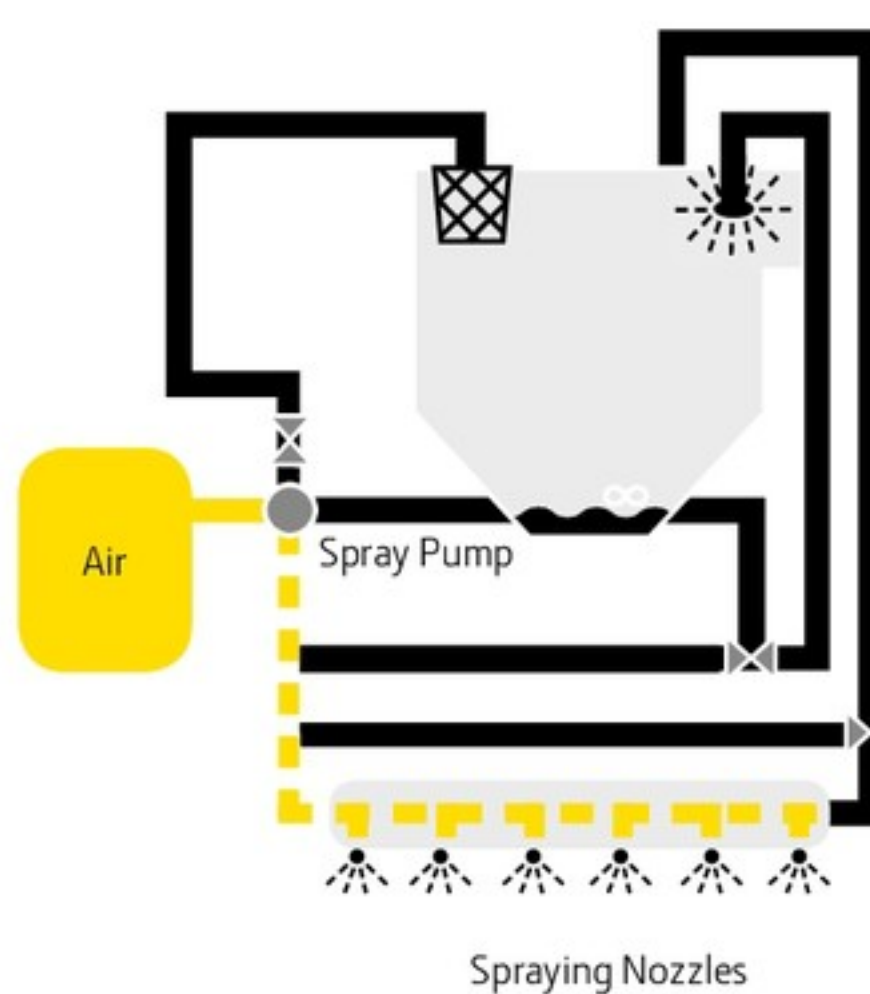
AirRinse offers 2 automated modes:

- Field mode – Residual volume 30 litres (to be sprayed out)
- Farm mode – Residual volume 5 litres (to be drained)

AirRinse – Field Mode



The automatic pressurised air purge works in two steps.
Step 1: Pressurised air pushes residual liquid from the eductor and rinse lines into the solution tank.



Step 2: Pressurised air pushes residual liquid from spraylines through the nozzles (after the pump has stopped).

MAKE THE MOST OF YOUR DAY

AUTOTRAC



AutoTrac hands-free steering adds more comfort: It reliably steers your self propelled sprayer from day to night, through dust or on hilly terrain. This prevents costly overlaps or gaps and enables every operator to run at peak performance. With the Generation 4 4640 Universal Display and a StarFire 6000 receiver, all you need is a Gen 4 4640 Universal Premium Activation and you're ready to start, including sprayer section control. Using AutoTrac you can expect up to 8* percent input savings and up to 14** percent productivity increase.

GUIDANCE WITHOUT GUIDANCE LINES – AUTOTRAC VISION

Traditional guidance systems are a great help – but they require guidance lines. AutoTrac Vision uses a front-mounted camera to see tramlines or early-season maize, and keeps vehicle wheels on track to reduce yield robbing crop damage. Even after a long day of high speed spraying you leave the cab relaxed and fresh, because the camera did the steering job for you.

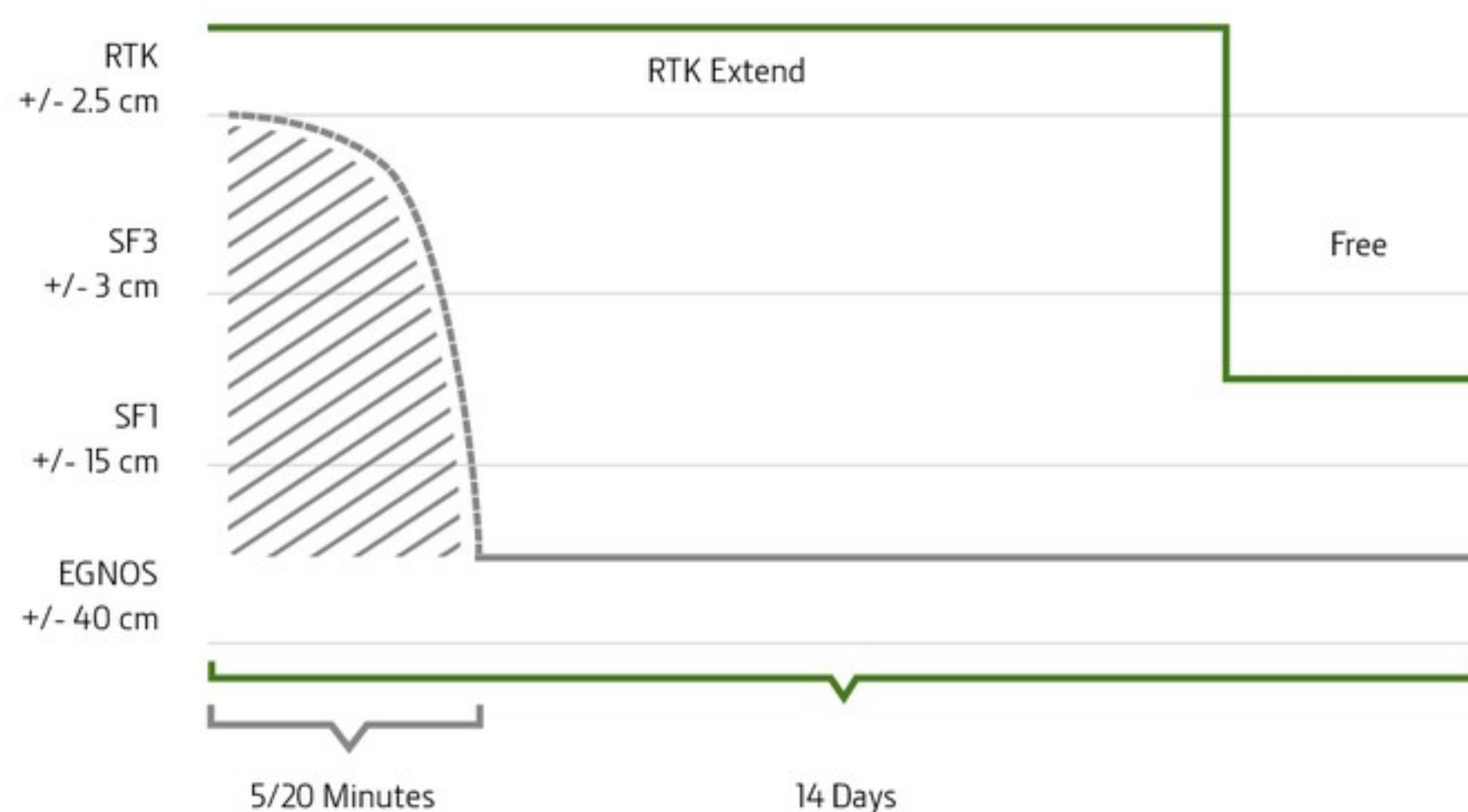


*From 'Lohnunternehmen' 1/2010

**From 'Landtechnik' 6/2006



SIGNAL STABILITY WITH IMPROVED RTK EXTEND



IMPROVED SF1 SIGNAL

The best entry-level signal just got even better and now features +/- 15 cm pass-to-pass accuracy (up from +/- 23 cm), multiple StarFire Tracking, and the Terrain Compensation Module (TCM) – all without licence fees, and with GLONASS in base. It's the perfect starting point for tillage, grassland applications and harvesting.

+/- 3 CM ACCURACY: SF3 SIGNAL

Higher accuracy that's ideal for seeding and planting. No more waiting around for full accuracy. In less than 30 minutes, the new SF3 signal delivers stunning +/- 3 cm pass-to-pass accuracy – that's up to 4 times faster than you can get with SF2. Add to that 9 months of in-season repeatability, flexible licence periods and easy upgradeability, and those €56 per month make a whole lot of business sense.

+/- 2.5 CM REPEATABLE PASS-TO-PASS ACCURACY: RTK

For precision farming, RTK is your best solution for accuracy, repeatability and pull-in time, and eliminates Global Navigation Satellite System drift. With RTK you only need to record field boundaries once. If you need this repeatability for e.g. Section Control you will not want to come back and record boundaries every year. You will save time every day: full RTK accuracy is always available from the very start. It takes less than 1 minute!



CONNECTED FARM MANAGEMENT

When you buy a John Deere sprayer you get access to a wide range of tools that provide exact machine performance data which will help you to optimise your business.



The Operations Center on our ag web portal MyJohnDeere.com makes it simple. It connects you to your machines, your operators and your fields from one central location. It also allows you to exchange information seamlessly with your John Deere dealer, your contractor or other trusted partners.



AUTOTRAC. NOW CONNECTED.

Connect AutoTrac to the John Deere Operations Center and conveniently plan your jobs during off-season to make sure that everything goes smoothly during peak season. You can easily create, edit or delete display set-up data like clients, farms and fields, boundaries, guidance lines or machine and implement off-sets in your personal Operations Center account.



JOB MANAGEMENT MADE EASY

Eliminate paperwork and phone calls during job planning, execution and reporting. With MyJobConnect you can assign tasks to your operators in real-time utilising the MyJobsManager App – and it's all documented for quick reporting and invoicing when the job is done.





SERVICES THAT BENEFIT YOU

FARMSIGHT SERVICES

John Deere dealers have access to several cutting-edge digital remote tools that allow them to provide you with a suite of proactive services tailored to your needs. The R4140i and R4150i comes with a JDLink telematics module as standard, including a free 5-year subscription. To start benefiting from that, you simply need to provide your consent and agree with your John Deere dealer on the scope of your FarmSight Services package.

FARMSIGHT SERVICES PACKAGES

		IN BASE	SELECT	PREMIUM	ULTIMATE
1	Pre-Delivery Inspection	■	■	■	■
2	MyJohnDeere Account Setup	■	■	■	■
3	Machine Handover Training	■	■	■	■
4	Remote Machine Monitoring (incl. Expert Alerts)	■	■	■	■
5	Automatic Maintenance Planning	■	■	■	■
6	Operations Center Introduction	–	■	■	■
7	Seasonal Phone Support	–	■	■	■
8	Expert Check	–	■	■	■
9	Optimisation Visit	–	–	■	■
10	Remote Operator Support	–	–	■	■
11	Remote Performance Check	–	–	■	■
12	Back-up machine	–	–	–	■

*The FarmSight Services packages content & prices are defined by your local John Deere dealer and can deviate in scope and composition.

EXPERT ALERTS

Expert Alerts, our newest remote diagnostics advancement, is based on smart software algorithms that can predict many potential technical issues before they have a negative impact or cause damage. Repairs become plannable while downtime and costs can be reduced significantly.

REMOTE MACHINE MONITORING

It's yet another service that sets John Deere apart. Upon your consent, our Machine Dashboard displays the operating condition data and error codes to your dealer in real time. He can remotely connect to the machine, run further diagnostics and perform remote software updates to help you faster than ever before. Plus, our new Expert Alerts are included as well.

AUTOMATIC MAINTENANCE PLANNING

You'll always be perfectly on track with your maintenance. Automated notifications can be based on actual machine hours or calendar dates and alert you to maintenance tasks which need to be performed.

MYJOHNDEERE ACCOUNT SETUP

This service includes the basic set-up of a MyJohnDeere account and Operations Center organisation to connect your machine.

REMOTE OPERATOR SUPPORT

You need instant advice and can't wait for someone to come to the field? Remote Display Access allows your dealer expert to remotely assist you and your operators with machine/implement setup and more – like being virtually in the cab.

EXPERT CHECK

Using a special John Deere inspection checklist, your dealer expert performs a thorough technical examination of your machine. He will advise you on what measures to take and take care of all relevant software updates to ensure maximum uptime in the next season.

OPERATIONS CENTER INTRODUCTION

You want to properly store and manage field boundaries, guidance lines, documentation data and have access to a full suite of farm management tools? Then this is the right package element for you.

OPTIMISATION VISIT

Benefit from dealer product specialist experience to fully exploit your machine's capabilities. Thanks to their detailed product knowledge, dealer product specialists can help you by reviewing your current machine settings and providing improvement recommendations.



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.

PowerGard agreements protect you against unexpected repair costs and keep your maintenance on track with genuine parts. Three fixed rate packages provide increasingly comprehensive levels of cover to keep your machine running at peak performance with steady uptime.

POWERGARD MAINTENANCE

Preventative maintenance work – it's essential for keeping equipment in good working order based on factory recommended intervals.**

POWERGARD PROTECTION

Base level of protection that covers unusual events that can lead to costly repairs, and also covers the main drive train components.

POWERGARD PROTECTION PLUS

The ultimate in protection – the total peace of mind package that covers all components included in PowerGard Protection, plus electrical, cooling, hydraulics and more.

FINANCING

Include your PowerGard Protection agreements into your financing offer and benefit from competitive rates, with flexible payments.**

*At participating dealers only. Requires a maintenance plan.

**PowerGard agreements and Financing for PowerGard Maintenance is currently only available with participating dealers. Country regulations apply.

SPECIFICATIONS

MODEL	R4140i	R4150i
ENGINE		
John Deere PowerTech PSS engine (Stage V compliant)	Base	Base
Horsepower	179 kW / 240 HP	179 kW / 240 HP
Power bulge	190 kW / 255 HP	190 kW / 255 HP
Engine rated speed (field/road)	1,900 - 2,200 RPM / 1,900 RPM	1,900 - 2,200 RPM / 1,900 RPM
Number of cylinders	6	6
Displacement	6.8 l	6.8 l
Automatic engine regenerating process	Base	Base
Main power switch, including ON/OFF indication	Base	Base
FUEL SYSTEM		
Fuel tank capacity	290 l	290 l
Diesel Exhaust Fluid (DEF) tank capacity	20 l	20 l
DRIVETRAIN		
Hydrostatic permanent 4 wheel drive	Base	Base
QuadControl transmission: four hydraulic wheel motors (80 cc) with planetary gear hubs	Base	Base
QuadControl HD transmission: four hydraulic wheel motors (60 cc) with planetary gear hubs	Option	Option
Cruise control with stepless selection of target speed on joystick and anti stall function	Base	Base
Independent wheel slip control	Base (in combination with StarFire receiver)	Base (in combination with StarFire receiver)
Wheel motor shields	Base	Base
Backup alarm with acoustic warning signal	Base	Base
Crop protection shielding, belly shields	Base	Base
GROUND SPEED		
Vmax spraying mode	0 - 25 km/h	0 - 25 km/h
Vmax transport mode (depending on drivetrain option, refer to local legislation)	0 - 40/50 km/h	0 - 40/50 km/h
SPRAYING SYSTEM		
Polyethylene tank with hinged tank lid 400 mm and basket strainer	Base	Base
Solution tank capacity (nominal volume)	4,000 l	5,000 l
Solution tank capacity (actual volume)	4,200 l	5,250 l
3" solution tank filling position at operator station	Base	Base
Dry solution tank level indicator	Base	Base
Digital solution tank level sensor with accurate tank level indication on cab and operator station display	Base	Base
Agitation system with 5 hydro-injectors	Base	Base
Agitation ON/OFF control (manual and automatic based on tank level), automatic agitation intensity & power agitation	Base	Base
400 l rinse water tank with digital level indicator	Base	Base
Rinse water tank top fill position at platform	Base	Base
3" rinse water tank filling position at operator station	Base	Base
20 l hand wash tank at operator station	Base	Base
20 mesh filling filter & 50 mesh pressure filter with drain taps	Base	Base
PowrFill 50 l chemical inductor hopper with jusg rinse nozzle	Base	Base
Spray gun at inductor	Base	Base
Clothing locker	Base	Base
Liquid transfer valve (without coupling)	Base	Base
Crop protection product storage at operator station, sealed and lockable	Base	Base
SPRAYER PUMPS		
PowrSpray system with centrifugal spray pump (1,000 l/min @ 3 Bar) and centrifugal fast fill pump (1,200 l/min)	Base	Base
Automatic tank fill stop to prevent overloading	Base	Base
AutoDilute system to prevent crop damage or environmental pollution while diluting	Base	Base
LIQUID – CONTROL SYSTEM		
Solution Command System, error free soft touch control panel & display for automatic filling, spraying and rinsing	Base	Base
RATE – CONTROL SYSTEM		
John Deere automatic rate control system with pressure & flow based regulation	Base	Base
Direct rate control adjustment through pump speed: fast adjustment of spray rate and agitation intensity	Base	Base
HYDRAULIC SYSTEM (AUXILIARY FUNCTIONS)		
Closed centre, pressure and flow compensated system for auxiliary functions	Base	Base



SPECIFICATIONS

MODEL	R4140i	R4150i
STEERING		
Automatic steering mode switching (selectable) controlled by buttons on armrest or HMS (Headland Management System)	Base	Base
4 wheel coordinated	Base	Base
4 wheel crab steer	Base	Base
2 wheel (field)	Base	Base
2 wheel with transport lock	Base	Base
Automatic rear wheel centring when switching to 2 wheel steering mode	Base	Base
Floor pedal for steering mode switch (4 wheel steer activation at headland)	Base	Base
Turning radius (depending on tyre size and tread setting)	4.5 m	4.5 m
TYRE SIZES		
VF380/90R46*	Base	Base
(VF)480/80R46*	Option	Not available
(VF)520/85R42*	Option	Not available
620/70R38*	Option	Not available
SUSPENSION		
XtraFlex Individual dual strut air spring suspension, automatic pressure adjustment, incl. deflate switch	Base	Base
Travel distance	+10 cm / - 10 cm	+10 cm / - 10 cm
TREAD ADJUSTMENT		
Range of adjustment	0.70 m from 1.87 up to 2.86 m (depending on tyre size)	0.70 m from 1.87 up to 2.86 m (depending on tyre size)
Manual tread adjustment	Base	Base
Hydraulic tread adjustment	Option	Not available
CAB		
Deluxe Cab	Base	Base
Cloth Adjustable Air Suspended Seat with large back support and seat belt		
Instructor seat with seat belt		
Standard radio		
Halogen Cab and machine lighting		
Premium Cab	Option	Option
Leather Adjustable Air Suspended Heated/Ventilated seat with large back support and seat belt		
Premium Instructor seat with seat belt		
Bluetooth radio + 6 extra speakers and subwoofer		
LED Cab and machine lighting		
Panoramic front windshield	Base	Base
Leather Steering wheel	Base	Base
Dual tilt and adjustable narrow steering column	Base	Base
CommandARM with Joystick: sprayer and machine functions	Base	Base
John Deere 4640 display armrest mounted (nozzle calculator included)	Base	Base
AutoTrac ready (without AutoTrac activation)	Base	Base
John Deere Section Control ready (without John Deere Section Control activation)	Base	Base
PDU Corner post display, indicates speed, engine RPM, fluid levels, etc.	Base	Base
Pressurised cab, heating and air conditioning and active carbon filtration Cat- 1 EN 15695 -1:2009 (refer to local legislation)	Base	Base
Pressurised cab, heating and air conditioning and active carbon filtration Cat- 4 EN 15695 -1:2009 (refer to local legislation)	Option	Option
2 rear view mirrors RH side mirror remote control	Base	Base
Remote control of ladder with automatic lift (driving) and lowering with parking brake ON	Base	Base
JDLINK (telematics), RDA and WDT ready (subscription needed)	Base	Base
5 USB ports	Base	Base
Smoker package	Option	Option
Portable 12V fridge	Option	Option
Field office in-cab	Option	Option
ELECTRONICS & LIGHTING		
Beacon light(s)	Option	Option
Field Halogen lighting kit	Base	Base
Field LED lighting kit	Option	Option
Boom lighting by 2 powerful LED	Option	Option
12 volt multi power outlet strip	Option	Option

*contact your dealer for additional information

MODEL	R4140i	R4150i
SPRAY BOOM CONTROL		
Electro-hydraulic height control with nitrogen accumulator, height range 50 - 250 cm	Base	Base
Electro-hydraulic boom tilt with automatic centre function	Base	Base
Electro-hydraulic variable geometry with nitrogen accumulators	Base	Base
Boom return to height function	Base	Base
John Deere TerrainControl Pro (2 sensors)	Option	Option
John Deere TerrainControl Pro (4 sensors)	Option	Option
John Deere TerrainCommand Pro (3 sensors)	Option	Option
John Deere TerrainCommand Pro (5 sensors)	Option	Option
SPRAY BOOM		
Double fold, three dimensional high strength steel booms	Base	-
Folding modes: Auto Fast fold, Auto Sequential, individual segments in manual mode	Base	Base
Folding cylinders with end-stroke dampening	Base	Base
Ball and socket bearings in swivel points with grease points	Base	Base
Stainless steel spray lines with quick-connect couplings	Base	Base
Bi-directional boom breakaway protection	Base	Base
Parallelogram, hydraulic height adjustment with a nitrogen pressure accumulator suspension and transport lock	Base	Base
Centre frame with vertical and horizontal boom suspension and pendulum lock (anti yaw)	Base	Base
5-way nozzle bodies with bayonet couplings for nozzle caps, protected within boom construction	Base	Base
ExactApply	Option	Option
Edge-nozzle electric operation	Option	Option
Off-centre nozzle electric operation	Option	Option
Pressure circulation system with pneumatic nozzle shut-off, full pressurised liquid circulation through spray lines including liquid supply from both directions into spray lines in spray mode	Base	Base
Pre-programmable liquid recirculation pressure	Base	Base
OPTIONS		
Filling hose 9 metre	Option	Option
Brush with hose reel	Option	Option
On-board high pressure washer (100 bar) with self retractable hose reel	Option	Option
Mud flaps at front & rear fenders	Option	Option
Calibration container 2,000 cc	Base	Base
Rear view camera	Option	Option
MACHINE DIMENSIONS		
Total length (with 36/18 m boom)	9.10 m	9.10 m
Max. transport width	3.00 m	3.00 m
Max. transport height (520/85R42 tyre, beacon light removed)	3.75 m	3.75 m
Ground clearance (520/85R42 tire)	1.00 m	1.00 m
Weight empty sprayer*	11,500 kg	11,500 kg
Weight balance in transport mode (including 5,000 litre in main tank + 400 litre water in rinse water tank)*:		
Front axle	46%	46%
Rear axle	54%	54%
Weight balance in spray mode boom unfolded 80 cm height (including 5,000 litre in main tank + 400 litre water in rinse water tank)*:		
Front axle	42%	42%
Rear axle	58%	58%
SPRAY BOOM LAYOUT		
24/12 m (8 sections: 3-3-3-3-3-3-3-3)	Base	Option
27/15 m (9 sections: 3-3-3-3-3-3-3-3-3)	Option	Not available
28/15 m (8 sections: 3-4-4-3-3-4-4-3)	Option	Option
30/15 m (9 sections: 3-4.5-3-3-3-3-4.5-3)	Option	Option
32/18 m (8 sections: 4-4-4-4-4-4-4-4)	Option	Option
33/18 m (11 sections: 3-3-3-3-3-3-3-3-3-3-3)	Option	Not available
36/18 m (6 sections: 6-6-6-6-6-6)	Option	Option
36/18 m (8 sections: 4.5-4.5-4.5-4.5-4.5-4.5-4.5-4.5)	Option	Option
36/18 m (9 sections: 4-4-4-4-4-4-4-4-4)	Option	Option
36/18 m (12 sections: 3-3-3-3-3-3-3-3-3-3-3-3)	Option	Option
36/24/18 m (12 sections: 3-3-3-3-3-3-3-3-3-3-3-3)	Option	Not available

*incl. tyres 380/90 R46, 36/18 m spray boom, full fuel tank, full DEF tank, without operator



NOTHING RUNS LIKE A DEERE

Chances are that when you need us, you need us right then and there. 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. Our commitment to quality doesn't stop at your machine – we also have financing options available that are guaranteed to fit your budget and your plans.



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