

# R700i SERIES

TRAILED SPRAYERS



**JOHN DEERE**

NOTHING RUNS LIKE A DEERE



# STAY COMPACT, GO PREMIUM

Proper crop protection is essential to the quality and yield of the crops you grow. But spraying becomes more and more challenging as spray windows continue to get tighter. So you need to be able to spray your crops in less time and with higher accuracy.

That's why we designed the new R700i Series. Packed with advanced features usually found in much larger models, it's our smallest big sprayer, so to speak. It's built to give you precise, high-efficiency spraying in all conditions – season after successful season.



**R740i**  
**POWERSPRAY**

Looks small, delivers big – the R700i sprayer with premium features in a compact format.

**INNOVATION HAS A HISTORY  
AT JOHN DEERE. WE'VE BEEN  
ADVANCING SPRAYER  
TECHNOLOGY SINCE 1947.**



R700i Series



M700/M700i Series



M900/M900i Series



R900i Series



R41x0i Series

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# WHEN COMPACT MEANS BUSINESS

The PowrSpray™ wet system combined with features such as individual nozzle control and the option to connect to any closed transfer system will take your productivity yet another step further. All this while you enjoy superior ease of use.

## TERRAIN CONTROL PRO

With TerrainControl Pro boom levelling we use the latest technology to always maintain the optimum height of the spraying boom and to deliver the best coverage.

## POWRSPRAY™ ADVANTAGE

The unique 2-circuit system for faster filling, more accuracy, power agitation and quick, efficient rinsing.

## INDIVIDUAL NOZZLE CONTROL

Controlling the spraying nozzle by nozzle gives you total-precision crop protection.

## EASY ON CROPS

Proportional drawbar steering lets you turn tightly to eliminate extra wheel tracks which reduces crop damage.



## R700i MODEL LINE-UP

MODELS	SOLUTION TANK	BOOM WIDTHS	PUMP OUTPUT	FILLING CAPACITY
	L	m	L/min	L/min
R732i	3200	18-30 m	750	600
R740i	4000			



## STAY COMPACT, GO PREMIUM

With the new compact R700i, you now have the productivity-boosting premium features of the larger models.



### DURABLE

Extra solid steel chassis and a choice of fixed or adjustable axles. Built for a long life of hard work.

### EASY ACCESS

With the Operations Center on MyJohnDeere.com, your spraying data is held in one central hub.

### STRESS FREE SPRAYING

Pressure circulation eliminates agitation time and reduces nozzle blockages.

### SOLUTION COMMAND

Push-button filling, agitation, spraying and rinsing – from the cab, or the new Solution Command keypad.

### SUPERIOR CONTROL

Machine control through an intuitive operator interface and joystick, ISOBUS certified.

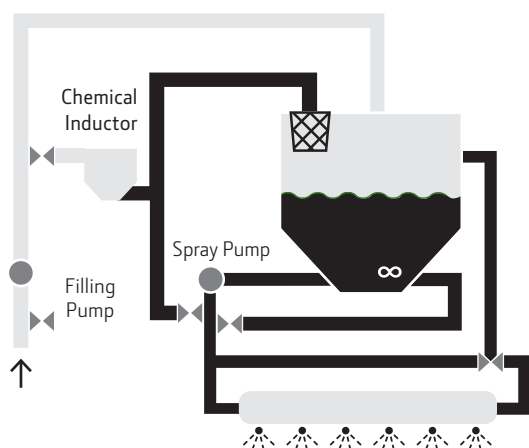
### SMOOTH RIDE

Simple, maintenance-free polyurethane axle suspension guarantees a smooth ride in the field and on the road.

## COMPACT GETS AN UPGRADE

There's a certain type of satisfaction that comes from using the best available tools and technologies to do the job as efficiently as possible. Spraying with the R700i will give you just that feeling.

We took the latest spraying technologies from our larger models and condensed them into this compact sprayer to help you meet today's spraying demands as efficiently and conveniently as possible.



Speedy precision – Fill faster, spray more accurately. The unique 2-circuit PowrSpray™ system allows you to fill your sprayer in just 7 minutes<sup>1</sup> and gives you 98%<sup>2</sup> rate control accuracy. All with the convenience of push-button control.

Save up to  
**6 EUR/HA<sup>3</sup>**

### SAVE AND PROTECT

Individual nozzle control is efficient localised crop protection. Save up to 5% of crop protection chemicals – up to 6 EUR per hectare.

The electronically controlled system achieves its ultimate potential when working together with PowrSpray™.







## BIG ON SAFETY

With our easy connection to any closed transfer system you avoid almost any contact with crop protection products. It allows you to fill and rinse by plugging directly into the container with an adapter that is widely used by crop protection manufacturers.



## INTUITIVE CONTROL

Push-button filling, agitation, spraying or rinsing. All the control you need either from the cab with the new joystick, or with the new Solution Command system at the operator station.

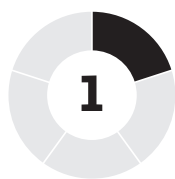
<sup>1</sup> Measured without priming.

<sup>2</sup> The 98% accuracy figure is derived from JDLink™ data based on John Deere Piston Diaphragm pump system compared to John Deere 3" PowrSpray™ system and means that 98% of the time the set target rate is applied.

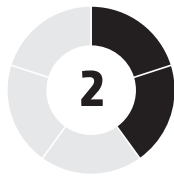
<sup>3</sup> Based on a 500 ha wheat farm and assumed costs of 53 €/ha for herbicides and 65 €/ha for fungicides (5%\*118 € = 5,90 €/ha)

## THE PATH TO PERFECTION

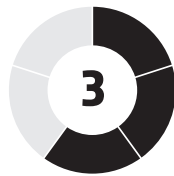
Here's the thing about spraying: it's a complex process with lots of changing factors. Getting every single step right is critical. There's a lot depending on it. Our idea with the R700i sprayers is to help you manage the process flawlessly, making each step a sure-fire success.



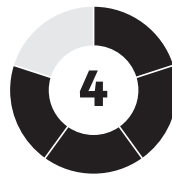
Planning



Filling



Transport

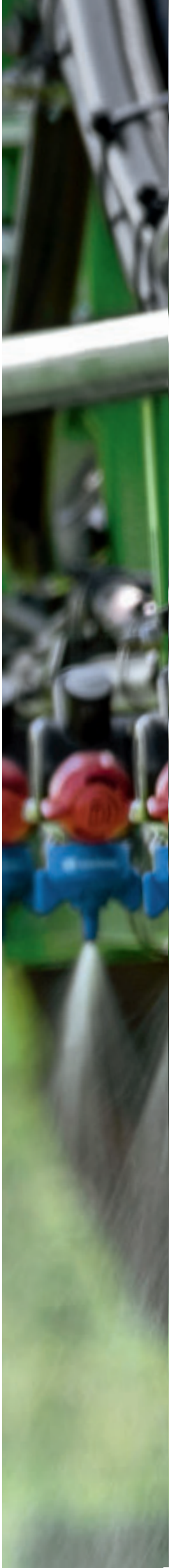


Spraying



Rinsing and dilution

From planning and documentation, through filling, transport, spraying, rinsing and dilution, the technology we've built into the R700i makes spraying easier, safer, more accurate and more profitable. Complex has never been this easy.









# PLANNING FOR PRODUCTIVITY

## CONNECTED FARM MANAGEMENT

The John Deere Operations Center is your farm management portal of choice for collecting and visualising agronomic and machine information. Showing you all essential information at a glance, it helps you make fact-based decisions quickly and easily.



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

- Raise your efficiency in the office with streamlined administrative workflows
- Generate documentation faster and easier than ever
- Have the information from your implements readily and conveniently available in one central hub
- Exchange data with trusted partners while maintaining total control over it

### START WORKING WITHOUT DELAY

Conveniently plan your jobs during the off-season, so that everything will go 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.

Transfer setup data and prescription maps to your Gen 4 display before your start, then return your precise documentation back to the Operations Center when you finish.





## VARIABLE RATE SPRAYING\*

Just upload a prescription map to your Gen 4 display and you're ready to go with variable rate spraying! Alternatively, connect a crop sensor to the display.

\*Ask your John Deere dealer for more information.

## EXCHANGING FILES ON THE GO

Once you have completed a task, the documentation map is available in your Operations Center app. While driving to your next job you can already send the map from your mobile phone to your customer.



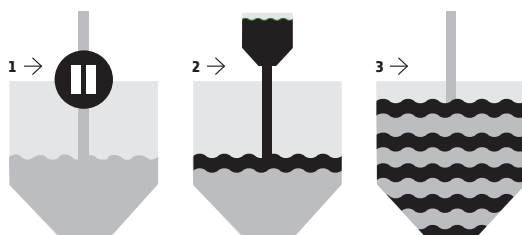


# FAST, SMART AND EASY

## FILLING

Fill up to 4,000 litres in less than 7 minutes with PowrSpray™ and still have all the time and clean water you need for adding plant protection products and rinsing containers with PowrSpray's Active Pause feature.

Filling with PowrSpray™ is simple, fast and comfortable. Just type the volume of liquid you'd like to add into the new Solution Command keypad and press Start. The dedicated filling pump immediately begins to fill at up to 600 l/min. When you want to add products, engage Active Pause. Filling of the solution tank stops, giving you all the time you need to add products, with no race against the filling tank. 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, disengage Active Pause and rapidly top up the tank at 600 l/min.



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



## ACTIVE PAUSE

With Active Pause engaged, tank filling pauses, but clean water is still available at the eductor. Chemicals can be filled and containers rinsed without the race against the filling tank of conventional sprayers. With chemicals added and Active Pause switched off again, the rest of the liquid is added at high speed.





## BIG ON SAFETY

With our easy connection to any closed transfer system you avoid almost any contact with crop protection liquids. It allows you to fill and rinse by plugging directly into the container with an adapter that is widely used by crop protection manufacturers.

## PERFORMANCE EDUCTOR

Rinsing jets dilute the crop protection products and ensure the eductor is thoroughly cleaned after use. All product passes through the tank lid filter basket before reaching the solution tank to prevent contamination of the spray solution.





# THE ROAD FEELS GREAT

## TRANSPORT

The R700i sprayers are as effective on the road as they are in the field – thanks to their low centre of gravity, even weight balance and up-to-date suspension technology.

With the booms safely fastened for transport you can trail this sprayer at speeds of up to 40 km/h<sup>1</sup>. Our maintenance-free double link axle suspension absorbs the hard knocks for a safe ride and helps protect your machine, for many seasons of trouble-free spraying.



<sup>1</sup> where legally permitted







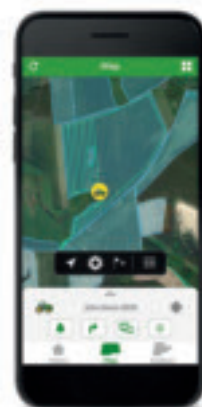
Making faster progress on the road requires rock-solid stability. That's why we gave the R700i a low centre of gravity by setting the tank even lower into the sturdy, well-balanced chassis. Now transport speeds of up to 40 km/h are safe, easy and feel secure.



During transport the booms hang from rollers which allow for movement that absorbs shocks to prevent boom stress and damage.

#### **OPERATIONS CENTER APP**

Knowing where all machines are, monitoring the progress for each individual field being worked, and seeing documentation information in close to real-time: That's the information-packed Operations Center app.



# THE PRECISION ADVANTAGE

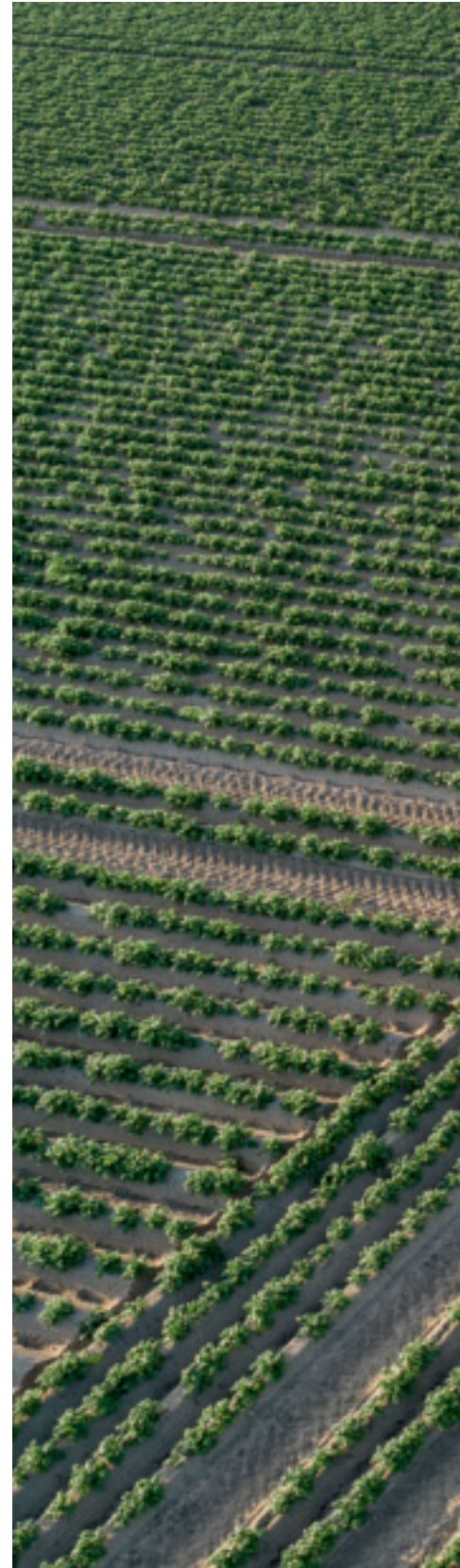
## DRAWBARS AND STEERING SYSTEMS

Better tracking and less crop damage with high-precision turns. The R700i sprayers can be fitted with a lower linkage drawbar or with a universal drawbar that can be set in either a low or high position. Both types of drawbar can be fixed or equipped with automatic trailing. Proportional drawbar steering features three modes: manual, automatic and headland management system (HMS™). With a turn radius of only 5.15 m, the R700i sprayer is compact and nimble.

### ALWAYS ON TRACK

Proportional drawbar steering uses active hydraulic control to ensure the sprayer closely follows the tractor's rear wheels during headland turns. A Headland Management mode ties steering to the master spray control, so the sprayer follows during turning, but automatically centres and switches off when spraying restarts. Simple and effective.

Better tracking and less crop damage when turning at the headland, thanks to proportional drawbar steering.





## FIXED OR ADJUSTABLE AXLES

Fixed axles are available with track spacing from 150 to 225 cm. A 150-210 cm sliding axle enables adjustment for varying crop row or tramline widths.





# FOCUSED ON FUNCTIONALITY

## CONTROLS AND DISPLAYS

When you have the right display and control combination, it really gives your productivity an extra boost.



AEF Certified



- ✓ UT
- ✓ AUX-N
- ✓ TC-BAS
- ✓ TC-GEO
- ✓ TC-SC

## DO EVERYTHING, WITH JUST ONE THING

With the John Deere multifunction joystick in your hand, you have access to all critical sprayer functions. Together with a John Deere 4240 or 4640 Universal display, or an integrated 4200 or 4600 tractor CommandCenter™, you're using the most advanced control system on the market – with master and section controls, boom functions and drawbar operation at your fingertips. The ISOBUS AUX-N functionality allows you to control your R700i with the new CommandPRO™ joystick that's already built into our 6R tractors. Its smart ergonomic layout makes operating the sprayer even more intuitive and precise. If you already have an ISOBUS joystick or display in your tractor, go ahead – the R700i is ISOBUS compatible.



See, create, and control your productivity: Choose from our range of integrated and universal displays to suit your specific needs.





# ACCESS YOUR PRODUCTIVITY

## SWIPE-AND-TAP EFFICIENCY

With John Deere displays in your cab you are well equipped for any spraying challenge: Full guidance, comprehensive documentation, prescription spraying, full sprayer control and support for up to four cameras.

In all our Gen4 Displays you'll enjoy tablet-like swipe functionality with easy to use, fully customisable and intuitive user interfaces that you can adapt to your layout preferences. They are, of course, fully certified ISOBUS AEF compatible, including AUX-N functionality to provide universal tractor joystick compatibility.



### 4240 UNIVERSAL DISPLAY

The 4240 packs powerful features and intuitive operation into a compact format. It's a 21 cm (8.4 in) touchscreen package with built-in documentation and upgradeability to wireless communications, including AutoSetup.



### 4640 UNIVERSAL DISPLAY

The 4640 Universal Display has a larger 26.4 cm (10") touchscreen, features the same capabilities as the 4240 Universal Display, and gets you ready for using all advanced Precision Ag features such as AutoTrac™ Vision.




**NEW**

## **GUIDANCE WITHOUT GUIDANCE LINES**

Work faster, with less crop damage and benefit from automated steering in fields that have been planted without guidance lines. AutoTrac™ Vision uses a front-mounted camera to see early-season maize or grain at least 10 cm high and will even work at night. It's guidance without guidance lines – keeping vehicle wheels in the centre between rows to reduce yield robbing crop damage.

3

## **REMOTE OPERATOR SUPPORT<sup>1</sup>**

Get instant help without waiting for someone to come to the field. With Remote Display Access you or your dealer can remotely assist your operators with machine setup, performance adjustments and more. It's like having a virtual assistant in the cab.



<sup>1</sup> Requires a JDLink™ telematics module and an active subscription.



# ACCURACY MEANS A STABLE BOOM

## SPRAYING

Productivity depends on accuracy, and accuracy begins with boom stability. To achieve the spraying precision required for optimal spray distribution, we started with the boom's uncompromising mechanical stability and then added advanced suspension and geometry features.



## STABLE BALANCE

Even weight distribution at all spray heights with the Z-bar parallelogram.

## BOOMS FROM 18 TO 30 m

The double fold and triple fold boom options feature low transport height, while half-width and asymmetric folding abilities add all-crop versatility.

## INDEPENDENT YAW DAMPENER

Our independent boom anti-yaw suspension offsets yaw from both boom wings. It's optional, but highly recommended for rough conditions.

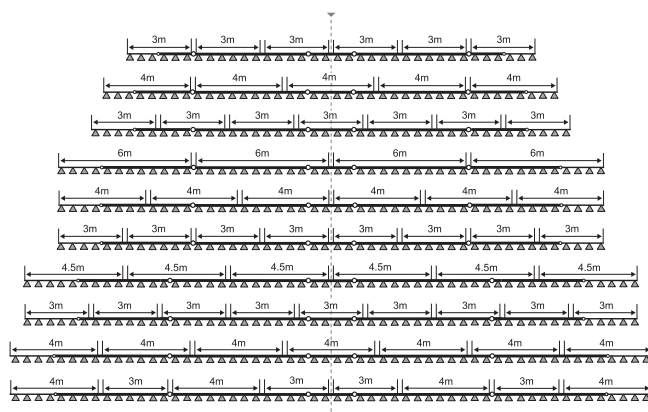


### DOUBLE FOLDED BOOMS 18 – 28 metres

### NO. OF SECTIONS

18 / 12	6	3-3-3-3-3-3
20 / 12	5	4-4-4-4-4
21 / 12	7	3-3-3-3-3-3-3
24 / 12	4	6-6-6-6
24 / 12	6	4-4-4-4-4-4
24 / 12	8	3-3-3-3-3-3-3-3
27 / 14	6	4.5-4.5-4.5-4.5-4.5-4.5
27 / 14	9	3-3-3-3-3-3-3-3-3
28 / 14	7	4-4-4-4-4-4-4
28 / 14	8	4-3-4-3-4-3-4-4

### SECTION WIDTHS, m

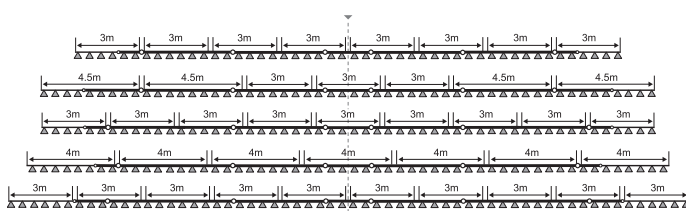


### TRIPLE FOLDED BOOMS 24 – 30 metres

### NO. OF SECTIONS

24 / 18	7	3-3-3-3-3-3-3
27 / 18	7	4.5-4.5-3-3-3-4.5-4.5
27 / 21	9	3-3-3-3-3-3-3-3-3
28 / 20	7	4-4-4-4-4-4-4
30 / 21	10	3-3-3-3-3-3-3-3-3-3

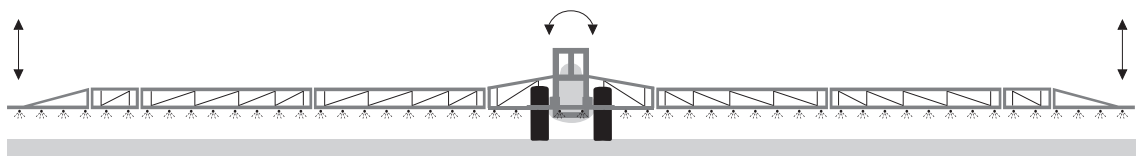
### SECTION WIDTHS, m







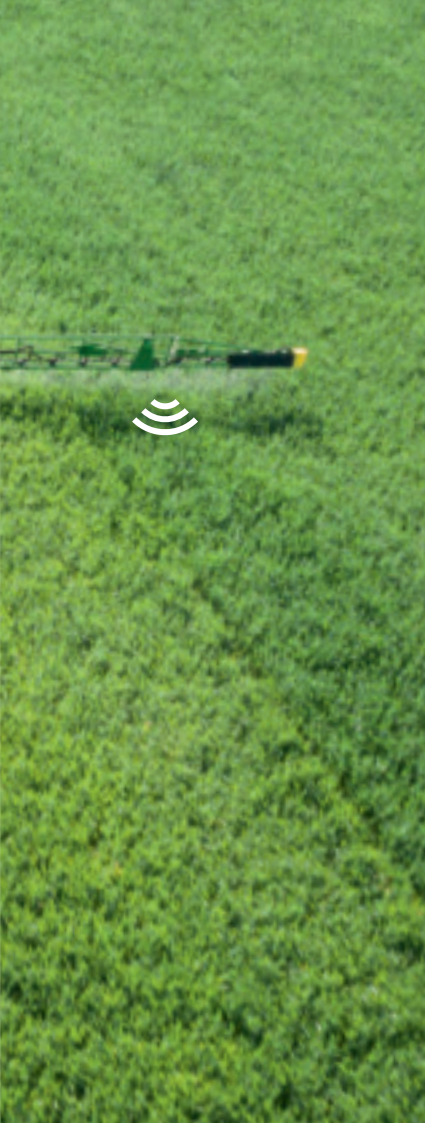
Using the readings from two or four ultrasonic sensors, TerrainControl Pro automatically controls boom roll and height to maintain consistent spraying heights, for less drift, higher speeds and reduced operator stress.



## ULTRASONIC BOOM ALIGNMENT

Featuring active height and roll control, TerrainControl Pro is designed for precision: its Ultrasonic and IMU (Inertia Measurement Unit) sensors measure the variation in boom roll motion and velocity. Any boom roll it detects is then corrected by the standard boom roll (tilt) cylinder, offsetting the effects of chassis roll and maintaining consistent distance between the nozzle and the crop right across the spray boom.






# AUTOMATIC UNIFORM PRECISION

## SPRAYING

The rock-solid mechanical boom stability of the R700i gets another boost by adding TerrainControl Pro. This combination gives you one of the most accurate spraying platforms you have ever seen.

### TERRAINCONTROL PRO – TOTAL PRECISION

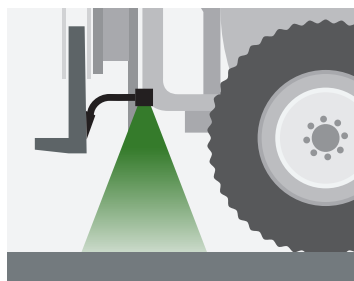
Consistent coverage without misses and drifting – automatically, the boom is always where it needs to be for optimum coverage. Built-in hybrid-mode sensors track both soil and crop simultaneously, learning the crop height and preventing boom lowering into areas of down crop. Active centre frame control compensates for irregular movement and prevents boom leaning during headland turns.

 Ultrasonic sensor with built-in IMU (Inertia Measurement Unit)

#### HYBRID MODE



#### SOIL MODE



#### CROP MODE



Hybrid-mode sensors can differentiate between soil and crop, learning the crop height to prevent lowering into areas of down crop.



# EVERY DROP COUNTS

## SPRAYING

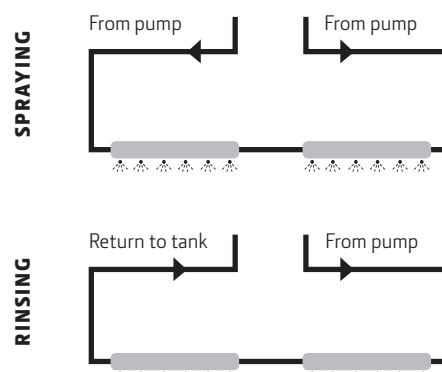
The R700i Series is all about efficiency. It's packed with technology that gives you the spraying precision to cover more hectares, more accurately, with every tank.



## PRESSURE CIRCULATION

High-rate, fast-start, full-concentration spraying: Products are always circulated right up to the nozzles. When spraying stops, circulation continues, helping to prevent sedimentation and nozzle blockages. Cleanout is simple – you can just rinse out the spray lines with clean water without having to spray.

## PRESSURE CIRCULATION



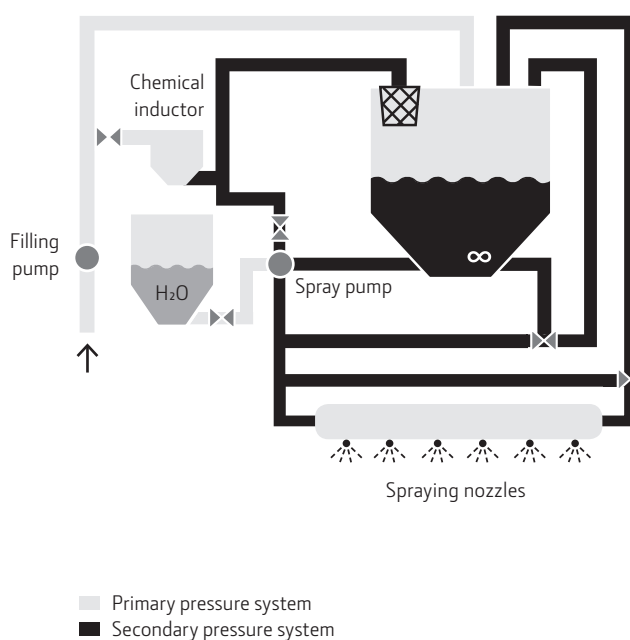


PowrSpray™: Direct Rate Control swiftly reacts to speed changes or section switching to eliminate over and under dosing. In variable rate applications, the adjustment is practically instantaneous.



## DUAL CIRCUIT DESIGN

The unique PowrSpray™ solution features 2 liquid circuits: A spraying circuit, powered by a 750 l/min high pressure spraying pump and a completely separate filling circuit, with a 600 l/min pump optimised for rapid tank filling.



## ACCURATE AND ECONOMICAL

Both pumps operate independently of the tractor engine rpm, so you even can spray with your engine at idle – reducing noise and fuel consumption. The unique dry-run protection automatically shuts down the pumps if no liquid is present, protecting the pumps from incorrect operation.

# SAVE AND PROTECT

## INDIVIDUAL NOZZLE CONTROL

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





# UP TO

**6 EUR/HA<sup>1</sup>**

of crop protection products saved  
with individual nozzle control

# UP TO

**60 NOZZLES**

independently controlled with  
individual nozzle control

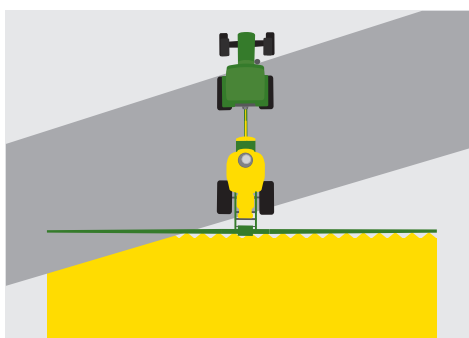


## INDIVIDUAL NOZZLE CONTROL

Individual nozzle control means highly efficient localised crop protection. You'll use up to 5% less crop protection chemicals – potential savings of up to 6 EUR per hectare<sup>1</sup>. The system is electronically controlled and achieves its ultimate potential when operating together with PowrSpray™.



## INDIVIDUAL NOZZLE CONTROL



Good for you, good for nature: Individual nozzle control gives you more precise application management and helps protect the environment.

<sup>1</sup>Based on a 500 ha wheat farm and assumed costs of 53 €/ha for herbicides and 65 €/ha for fungicides (5%\*118 € = 5,90 €/ha)

# THE SHAPE OF PRECISION

## SPRAY NOZZLES

Together with our nozzle partner Hypro, we have built an extensive range of nozzles that has you covered no matter what you're going to spray.



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

### CHOOSE THE RIGHT NOZZLE

A key factor for efficient spraying is the right nozzle choice for the application rate, crop and product you're working with. Performance parameters like drift reduction, degree of coverage as well as size of the drops in relation to spraying angles play an important role.

### HEAVIER DROPLETS, FOR LESS DRIFT

Significantly reducing drift without any sacrifices in coverage is the domain of air inclusion nozzles. Their larger, heavier drift-resistant droplets have an air pocket inside. On impact, the droplets burst and deposit the spray liquid on the target. Our ULD, LDA and GAT models are air inclusion nozzles.



## FOCUS NOZZLES



**STRAIGHT  
STREAM  
CERAMIC (STC)**



**ULTRA  
LOW-DRIFT  
(ULD) 120°**



**EXTENDED  
RANGE (ER)  
110°**



**GUARDIANAIR  
TWIN™ (GAT)  
110°**



**LOW-DRIFT AIR  
(LDA) 110°**



**3D 100°**



## CERAMIC NOZZLES



**ULTRA-LOW  
DRIFT CERAMIC  
(ULDC) 120°**



**LOW-DRIFT  
AIR CERAMIC  
(LDAC) 120°**



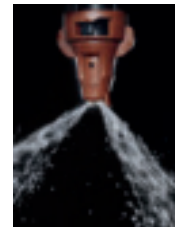
**GUARDIANAIR  
TWIN™  
CERAMIC  
(GATC) 120°**



**LOW-DRIFT  
CERAMIC (LDC)  
90° & 120°**



**EXTENDED  
RANGE  
CERAMIC (ERC)  
120°**



**ASYMMETRIC  
ULTRA LOW  
DRIFT CERAMIC  
(AULDC) 120°**



Liquid fertiliser

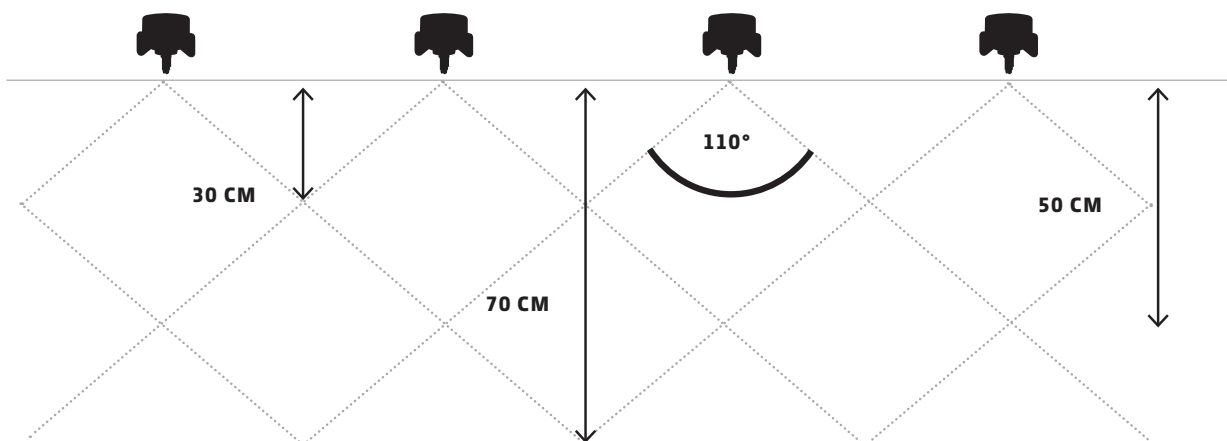
Herbicides

Plant growth regulators

Fungicides

Insecticides

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





# SIMPLE AND SAFE

## DILUTING AND RINSING

Activate AutoDilute and Continuous Dilute at the push of a button from the cab – with the R700i rinsing and diluting are a breeze.

### AUTODILUTE

How many rinse cycles do you need for the dilution you want? AutoDilute calculates it for you, taking all dead volume and remaining solution system content into account. Here's what else you get:

- Comfortable, in-cab control over the entire dilution process
- Rinsing mode: AutoDilute and Continuous Dilute
- Multiple rinsing options
- Faster rinsing for higher productivity
- No chance of operator errors
- No risk of crop damage and environmental pollution
- Complies with all current European legal and environmental regulations



Add some peace of mind: R700i sprayers are available with AutoDilute and Continuous Dilute rinsing.

### RINSE CALCULATOR

Sometimes peace of mind is just maths. The AutoDilute rinse calculator works out how many rinse cycles are required to achieve your desired dilution – then, multiple automatic dilute-rinse-spray cycles lower the concentration of the remaining liquid.



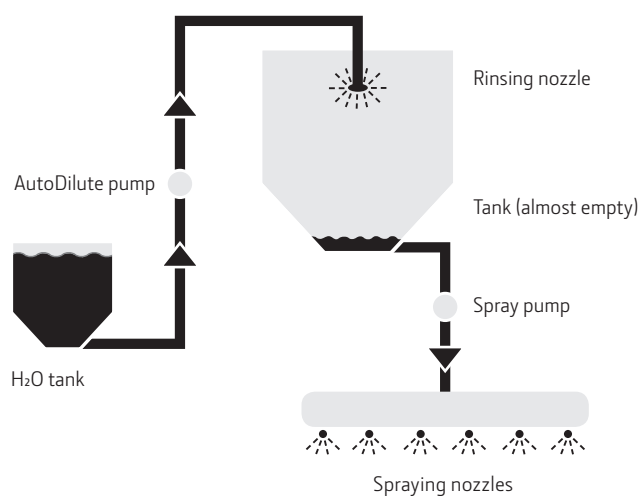




### AutoDilute / Continuous Dilute

#### CONTINUOUS DILUTE

Fast flushing between spray jobs to reduce residue at the nozzle? Without leaving the cab? Welcome to Continuous Dilute. While spraying completes, clean water is continuously added to the solution tank and reduces the spray solution concentration to very low levels.







### **SELF-CLEANING PRESSURE FILTER**

The self-cleaning filter kit allows operators to flush debris that may have collected in the base of the pressure filter without removing the filter bowl.



### **BREAKAWAY PROTECTION**

Protects against damage of spray nozzles, nozzle bodies, and other parts when driving on field borders or during transport next to bushes and trees.



# MAKE IT YOUR OWN

## ATTACHMENTS

You like to do things your way. John Deere attachments let you adapt your R700i to just the way you want to work. Talk to your dealer about what you want to accomplish.

## LED BOOM LIGHTS

Spraying at night? This lighting solution helps you get a better view of the spray pattern and illuminates the boom surroundings to quicker identify obstacles in the field.

## EDGE™ NOZZLE HOLDER

Edge™ nozzle holders are positioned at the end of the spray boom and fitted with edge spray tips to prevent spraying beyond the crop boundaries. Edge™ nozzle holders are available, controlled either manually, electrically or pneumatically, with multiple nozzle bodies.





## SERVICES THAT BENEFIT YOU

### FARMSIGHT™ SERVICES

With a FarmSight™ Services package, you can rely on your sprayer every second of the season and profit from efficiency gains and additional uptime hours from day one.

When you pull your R700i with a John Deere tractor that has a JDLink™ telematics terminal and a subscription, you can access several cutting-edge digital remote tools which allow your dealer to provide you with a suite of proactive services tailored to your needs. Talk to your John Deere dealer about which FarmSight™ Services package works for you.

### FARMSIGHT™ SERVICES PACKAGES

VALUE	FARMSIGHT™ SERVICES	SELECT	PREMIUM
🎓 Training	1   John Deere Operations Center Introduction	■	■
🎓 Training	2   Machine Handover Training	■	■
🏆 Performance	3   Set-Up Support / Optimisation Visit	■	■
📅 Uptime	4   Seasonal Phone Support	■	■
📅 Uptime	5   Expert Check and winterisation	■	■
📅 Uptime	6   De-winterisation and software update	■	■
🏆 Performance	7   Official sprayer test	■	■
🎓 Training	8   Documentation and MyJohnDeere.com Account Set-up	–	■



## EXPERT CHECK AND WINTERISATION

You get a thorough off-season inspection for maximum in-season uptime. The detailed technical examination focuses on proper winterisation to protect your sprayer from frost.



### 1 | JOHN DEERE OPERATIONS CENTER INTRODUCTION

A new way to reduce office work and manage your business with ease. Includes a one-hour training session at your dealership.

### 2 | MACHINE HANDOVER TRAINING

In the first year, you'll receive individual operator training at the dealership. It highlights the key productivity features of your sprayer and explains how you use them to optimise your operations. In the following years, you can choose a refresher training or other offerings from the dealer training catalogue.

### 3 | SET-UP SUPPORT / OPTIMISATION VISIT

In a one-hour visit, our specialist will perform a thorough hands-on examination of your machine in the field for optimisation. We'll also ensure that all installed technology such as Section Control or application rate control is precisely adjusted.

### 4 | SEASONAL PHONE SUPPORT

You'll have questions and you'll face a variety of challenges during the normal course of operations. We're just a phone call away, and will help you during regular office hours to resolve the issues or questions that are holding you back from achieving optimal productivity.

### 5 | EXPERT CHECK AND WINTERISATION

The Expert Check is a thorough inspection of your sprayer by an experienced certified service technician out at your farm. Using a unique John Deere inspection checklist, they'll produce a comprehensive technical diagnosis of your machine's health and advise you on what measures to take to ensure maximum uptime in the next season. As part of the winterisation the sprayer will be cleaned, drained and filled with antifreeze.

### 6 | DE-WINTERISATION AND SOFTWARE UPDATE

Prepares your sprayer for the season, including the latest software, to make sure that your machine's all set to deliver top performance.

### 7 | OFFICIAL SPRAYER TEST

Let us make sure your sprayer fulfills the EN ISO 16122 requirements and meets national regulations such as NSTS, SKL and JKI.

### 8 | DOCUMENTATION AND MYJOHNDEERE.COM ACCOUNT SUPPORT

Individual training from our expert. In the first year, we'll go over the initial documentation system set-up and give you an individual one-hour systems training session at your location. You'll benefit from shorter data entry times and more accurate documentation as a result of this training. In the following years, you can choose between a similar session at your location or remote support via phone.



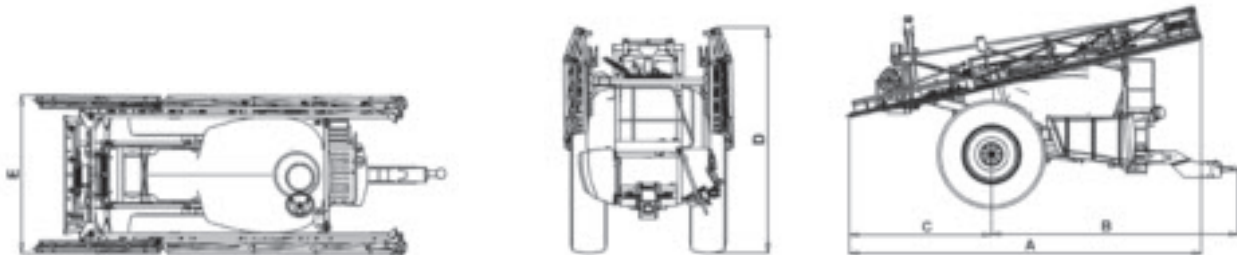
## SPECIFICATIONS

	R732i	R740i
Nominal tank volume, l	3,200	4,000
Real tank volume, l	3,360	4,200
Rinse tank, l	400	400
Hand wash tank, l	20	20
IsoBus (9 pole Deutsch Connector)	Base	Base
Sprayer Control with multi functional lever (Joystick)	Optional	Optional
PowrSpray™ Hydraulically driven sprayer pumps 2"	Base	Base
Spray pressure min - max, bar	1 - 8	1 - 8
Inductor hopper capacity, l	55	55
Centrifugal filling pump capacity, 600 l/min	Base	Base
Ground Clearance under axle, cm <sup>1</sup>	65 - 75	65 - 75
Polyurethane double linked Axle Suspension	Base	Base
Track width availability, cm	150 - 225	150 - 225
Clothing locker	Base	Base
Proportional drawbar steering upper or lower linkage	Option	Option
Hydraulic System Oil Filter	Base	Base
Working lights (halogen or LED)	Option	Option
<b>SOLUTION COMMAND</b>		
Electric operated valves <sup>2</sup> controlled by switches on the operator station or by the display in the cab	Base	Base
Free programmable Automatic tank filling system with integrated stainless steel non return check valve preventing backflow	Base	Base
Digital tank level sensor with detailed readout in display	Base	Base
Automatic agitation intensity and on/off control based on tank level (free programmable)	Base	Base
Overfill protection when filling by sprayer pumps	Base	Base
Spray rate control by pressure and flow sensor	Base	Base
Multi-cycle residue management system (Auto Dilute) standard with following modes Boom rinse, system rinse, Automatic stepwise Dilution, Continuous dilution and rinse cycles	Base	Base
Cross flow check (detects nozzle wear, spray line blockage or wrong programmed nozzle sizes)	Base	Base
Anticipation factor in software ensures concentrated start when switching sections at the headland	Base	Base
Start Delay Pressure regulator prevents under dosage at spray start in corner	Base	Base
Low Flow Detection automatic spray rate sensor selection if flow is out of measurement range of the flow sensor, pressure sensor takes command	Base	Base
Default setting Pressure regulator, prevents overdose at spray start after refill the tank	Base	Base
Spray gun at chemical inductor hopper	Base	Base
Operator station light (LED)	Base	Base
<b>WEIGHTS<sup>3</sup></b>		
Total weight empty, kg	3,340	3,380
Total weight full, kg	6,960	7,800
<b>TYRE SIZES<sup>4</sup></b>		
Tyres mounted on fully welded rims (10 bolts) factory choice tyres are mounted	Available	Available
230/95R48 (136A8/136B), 10 bolts	Available	Available
270/95R48 (144A8/140B), 10 bolts	Available	Available
300/95R46 (148A8/144B), 10 bolts	Available	Available
340/85R48 (152A8/152B), 10 bolts	Available	Available
420/85R38 (144A8/141B), 10 bolts	Available	Available
480/70R38 (145A8/142B), 10 bolts	Available	Available
520/70R38 (150A8/147B), 10 bolts	Available	Available



SPRAY BOOM AND HYDRAULICS	R700i
Boom height range, cm <sup>1</sup>	48 - 224
Spray boom material	Steel
Ball and socket bearings in swivel points with grease points	Base
Stainless steel spray lines with quick connect couplings	Base
3 directional boom breakaway protection	Base
Z-bar parallelogram, hydraulic height adjustment with a nitrogen pressure accumulator suspension and hydraulic transport lock	Base
Centre frame with vertical and horizontal boom suspension and pendulum lock (anti yaw)	Base
Centre frame with independent vertical and horizontal boom suspension and pendulum lock (push rod anti yaw system)	Option
Boom suspension kit for spraying hilly fields	Option
Electro hydraulic control including hydraulic oil filter for spray boom, folding, height and tilt with auto centre function and boom positioning indicator in display actual or preset position, and optional steering axle	Base
Tractor hydraulic system requirements	SA or DA selective control valve with pressure-less return / Optional Load Sense hydraulics
Hydraulic flow requirements depend always on the selected options. Indication on minimum tractor hydraulic oil flow requirements with full options for sprayers without hydraulic pump drive, l/min	40
Pressure circulation spray system, chemicals are always circulated right up to the nozzles	Base
Section Control ready	Base
Individual Nozzle Control	Option

SPRAY BOOM R700i SERIES			MEASUREMENTS (CM) <sup>5</sup>				
DOUBLE FOLD BOOMS	No. OF SECTION	SECTION WIDTHS, m	A	B	C	D	E
18 / 12 m	6	3-3-3-3-3-3	555	258	198	324	255
20 / 12 m	6	4-4-4-4-4-4	555	258	198	324	255
21 / 12 m	7	3-3-3-3-3-3-3	555	258	198	324	255
24 / 12 m	8	3-3-3-3-3-3-3-3	610	258	246	324	255
27 / 14 m	6	4.5-4.5-4.5-4.5-4.5-4.5	646	258	246	350-400	255
27 / 14 m	9	3-3-3-3-3-3-3-3-3	646	258	246	350-400	255
28 / 14 m	7	4-4-4-4-4-4-4	696	258	246	350-400	255
28 / 14 m	8	3-4-4-3-3-4-4-3	696	258	246	350-400	255
TRIPLE FOLD BOOMS	No. OF SECTION	SECTION WIDTHS, m					
24 / 18 m	8	3-3-3-3-3-3-3-3	456	258	198	318	300
27 / 18 m	7	4.5-4.5-3-3-3-4.5-4.5	456	258	298	318	300
27 / 21 m	9	3-3-3-3-3-3-3-3-3	550	258	292	318	300
28 / 20 m	7	4-4-4-4-4-4-4	510	258	243	318	300
30 / 21 m	10	3-3-3-3-3-3-3-3-3-3	550	258	292	318	300



<sup>1</sup> Depending on tyres fitted and boom.

<sup>2</sup> Emergency control valve possible.

<sup>3</sup> All weights are approximate with base equipment and 24 m boom.

<sup>4</sup> Selectable tire size is depending on machine type and axle load.

<sup>5</sup> All measurements are approximate with tyres 270/95R48. Overall machine height depends on boom adjustment.

# NOTHING RUNS LIKE A DEERE™

Together with our dealer network, we are committed to serving you better. We never stop investing in the technology, training and equipment needed to keep you running at maximum efficiency. After more than 180 years in the business, we are sure that we are better together.



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