



Trailed min-till seed drills with discs  
ESPRO 4000 RC | 6000 RC





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## ESPRO RC

Trailed min-till seed drills with discs

# LESS POWER REQUIRED FOR GREATER OUTPUT

ESPRO RC TRAILED MIN-TILL SEED DRILLS WITH DISCS, AND WORKING WIDTHS OF 4.00 AND 6.00 METRES, CAN ESTABLISH UP TO 3 DIFFERENT PRODUCTS THANKS TO THEIR DOUBLE HOPPER AND COMPATIBILITY WITH ADDITIONAL HOPPERS. THESE SEED DRILLS HAVE BEEN DESIGNED TO USE WITH MIN-TILL AND CONVENTIONAL CROPPING METHODS, TO MEET ALL YOUR REQUIREMENTS.



### OPTIMUM WORK OUTPUT

During seeding periods, speed is an important factor. Seed drills in the ESPRO RC range provide optimum work output and high autonomy thanks to ground speeds of up to 17 kph and a large-capacity double hopper.

### FAST, PRECISE SEEDING

ESPRO RC seed drills are equipped with the CROSSFLEX seeding bar renowned for its precision, even at high speeds. Attached to a KUHN-exclusive metal bar with rubber mounts, they ensure uniform sowing depths and enhance soil-to-seed contact.

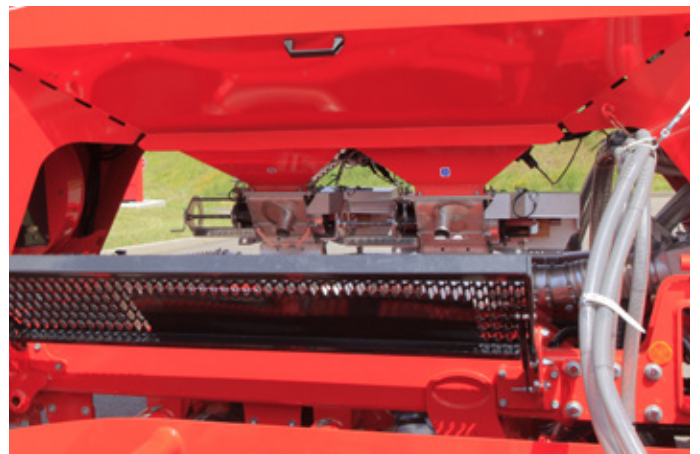
### LOW PULL-POWER REQUIREMENT

Thanks to their specific design, seed drills in the ESPRO RC range use less fuel. This lower power requirement is largely due to the press wheels being in front of the seeding bar:  
a KUHN exclusive.

**ESPRO RC** 4000 RC | 6000 RC

## OPTIMISE WORK OUTPUT WITH THE ESPRO RC RANGE

ESPRO 4000 RC and 6000 RC foldable seed drills, with working widths of 4.00 and 6.00 metres, ensure fast work output and high autonomy. Equipped with a CROSSFLEX seeding bar, ESPRO RC seed drills enable you to optimise weather windows due to their fast and precise seeding capacities.



### Ground speed up to 17 kph!

ESPRO RC models meet the needs of large cereal farms and contractors in terms of output. Seeding speeds of up to 17 kph can be reached with 180 to 400 hp tractors, depending on working conditions and machine options.

### Increased versatility and efficiency

ESPRO RC seed drills are equipped with two metering and distribution systems, so it is possible to sow two different products in one pass. Furthermore, each system has its own settings and distribution path in order to adjust the quantities of each product with precision.

# A PRACTICAL DOUBLE HOPPER

ESPRO 4000 RC and 6000 RC seed-drill hoppers, with capacities of 4,000 and 5,500 litres respectively, provide high autonomy. They are particularly appreciated for their versatility. Indeed, you can spread fertiliser with two different crop species or a second variety. If you wish to use the whole hopper for one species, just open the trap door in the dividing wall.



## Easy filling and emptying

Large hopper openings and low loading heights facilitate filling with big-bags or in bulk. Practical platforms provide easy access to the hopper, and a hatch at the bottom allows for quick emptying.



## Keep track of filling level

Two sensors in each hopper help to monitor filling height. In order to adapt the monitoring system to the seed size, there are three different positions for the sensors, even with a full hopper. The level can then be viewed on the screen of the terminal.

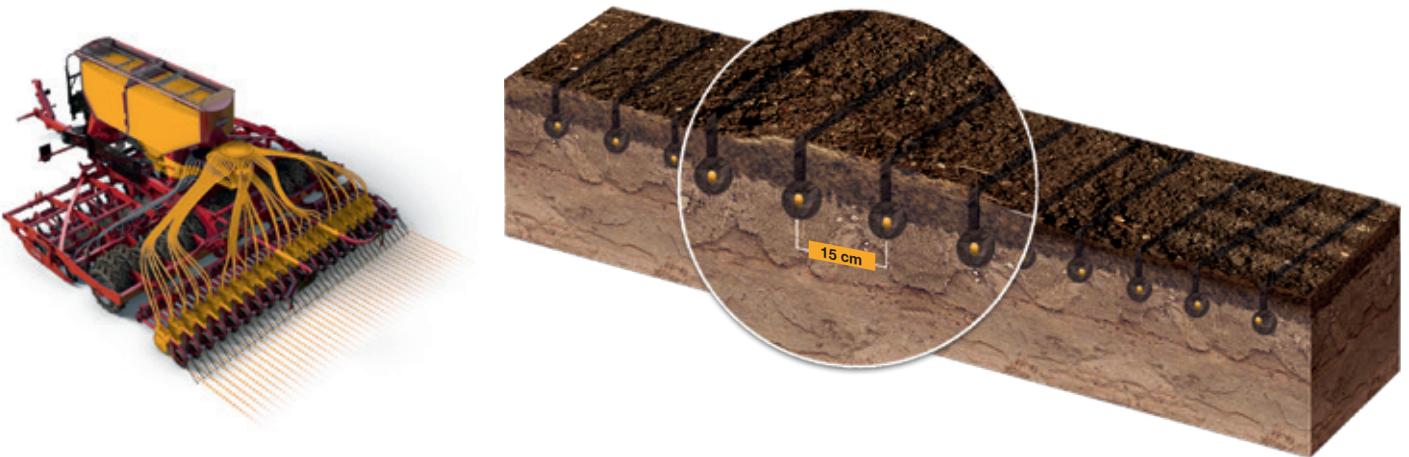


## A MULTITUDE OF POSSIBILITIES

Precise fertiliser positioning is essential. The fertiliser or a second seed variety is placed directly in front of the press wheels by a row of single disc coulters. The disc coulters are adjustable in depth and located precisely between two rows of seeds, where they deliver the fertiliser. The seedlings get everything they need in their early growth stages without the risk of getting burnt.

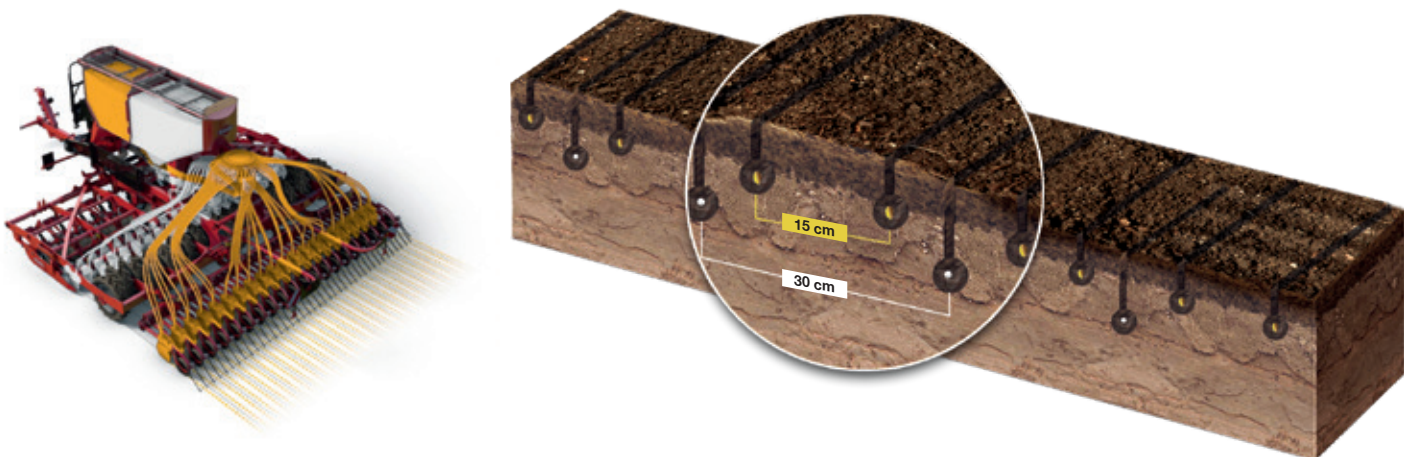
### Main crop A

The entire hopper is used to load a single seed variety. Seeds go through both metering units but they are brought together in the main distribution head and sent to the CROSSFLEX seeding bar only.



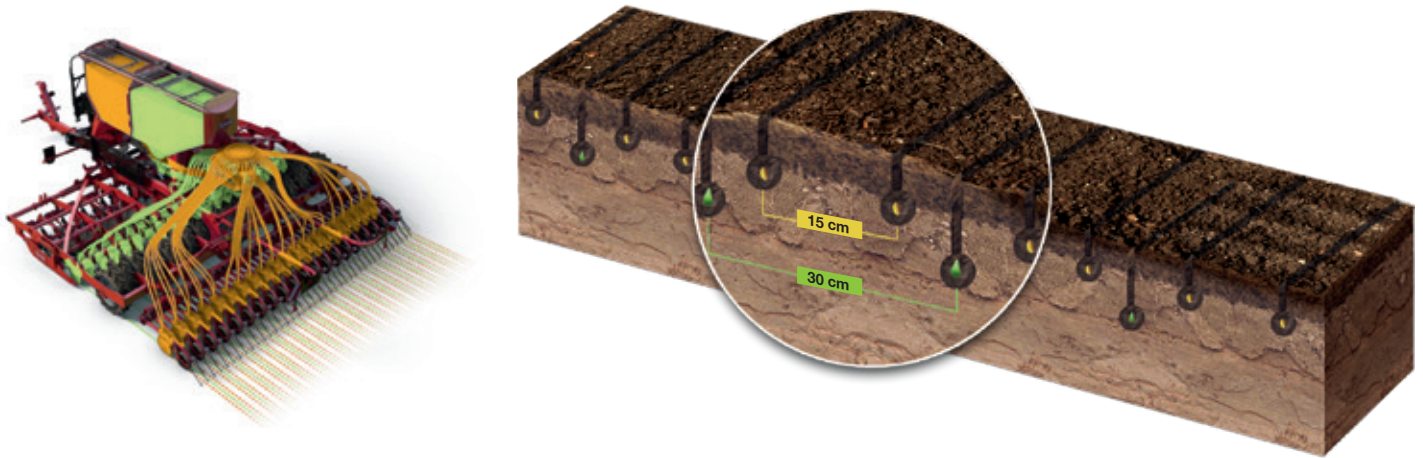
### Main crop A + fertiliser A

You can meter and seed your main crop while fertilising in one single pass. The fertiliser is delivered under the roots between two seed rows. Adjustable fertiliser depth prevents seedlings from burning.



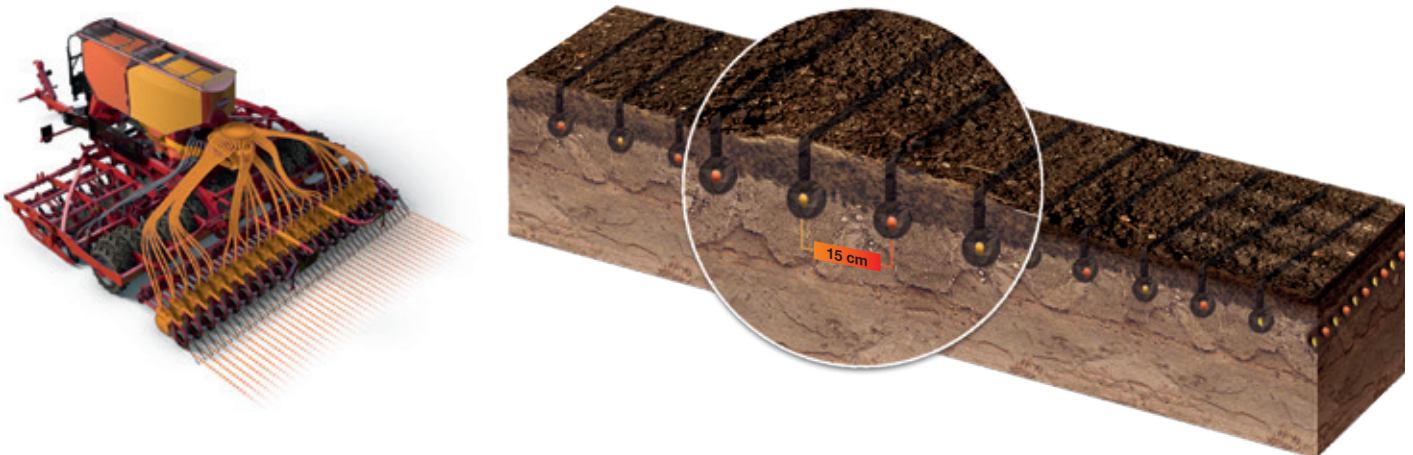
## Main crop A + main crop B

You can also seed two different crops in different rows at different depths. This configuration is convenient for seeding cover crops or a mix.



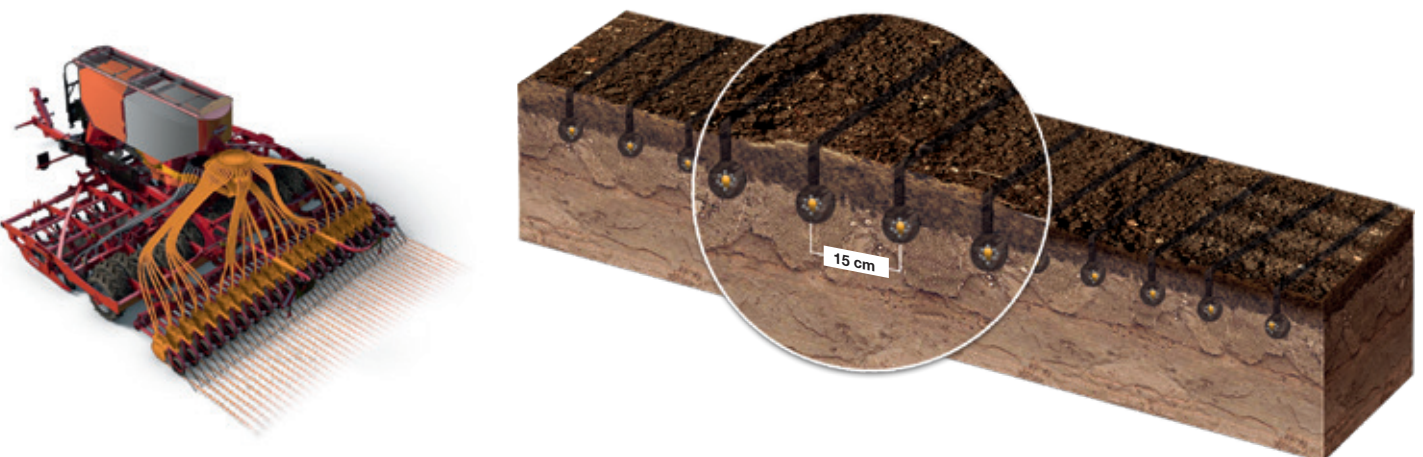
## Variety A + variety B

The entire hopper is used for two varieties of the same seed species (conventional and hybrid). This allows for separate metering but joint seeding for precision drilling of a main crop.



## Main crop A + fertiliser B

One part of the hopper holds the main crop while the other part holds the fertiliser that will be placed close to the seed: fertiliser placement in the row. This configuration is of real value for elements like phosphorus that are virtually immobile in the soil.



## THE CROSSFLEX SEEDING BAR: PRECISION AT HIGH SPEED

The CROSSFLEX seeding bar is equipped with large-diameter double discs, bevelled and offset by 41 mm. The seeding units are fitted on an exclusive cross-shaped bar and are securely held in place by polyurethane blocks. The extreme stability of this design ensures a regular seeding depth even at high speeds.



### Regular seeding depth

The attachment system of the CROSSFLEX seeding unit makes it highly stable, providing a precise and constant seeding depth across the whole plot, even at high speeds.



### Cutting-edge double discs

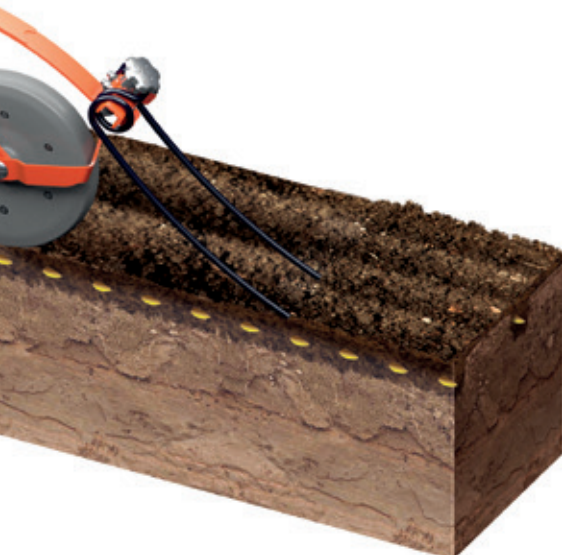
The 350mm-diameter double discs with 41mm offset are designed with a bevelled edge to penetrate the soil efficiently and cut through crop residues. The front disc can wear down to 32mm before a difference between the discs causes soil clogging.





### Precise seed positioning

The seed outlet is located in front of the discs' hub to ensure precision. The discs «accompany» the seeds directly into the furrow. The outlet's V-shape makes for great seed-delivery precision with no bounce.



### The perfect finish

Press wheels ensure optimum soil-to-seed contact. They are equipped with hard-wearing carbide-plated DURAKARB scrapers to prevent soil build-up in damp conditions. They are followed by the DURASTEEL covering harrow which has a longer service life and ensures perfect furrow closing, great seed covering, low wear and uniform levelling.



## EASILY-ACCESSIBLE AND SIMPLE SETTINGS

ESPRO RC seed drills are designed to be quick and easy to adjust. No tools are required and all the essential parts, such as the hopper, the metering units and the cylinders, are easily accessible.



### Fast adjustments with simple spacers

The working discs, seeding depth and disc coulter pressure are adjusted with spacers on the hydraulic cylinders at the machine extremities, which are accessible from the ground. Continuous working-disc adjustment, from the cab, is also available.

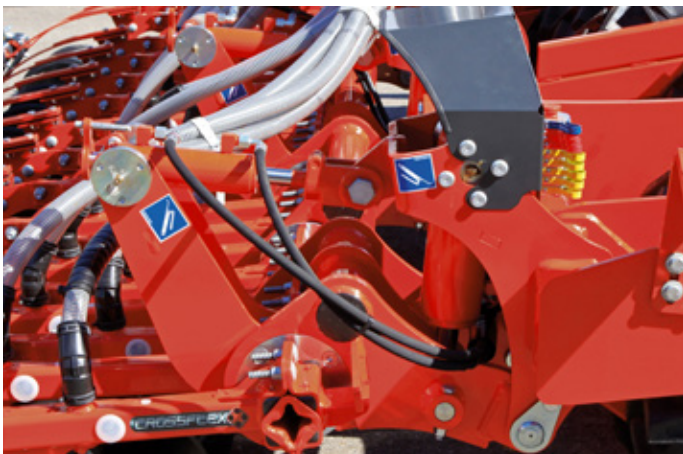


### Simple calibration test

Start and stop the calibration test with a simple on/off button next to the metering units. Once the weight has been entered into the terminal, the motor adjusts the speed of the metering unit automatically according to application rate and working speed.

# SIMPLIFIED MAINTENANCE

ESPRO RC seed drills were designed with the objective of making maintenance as easy as possible. The CROSSFLEX seeding bar is made up of single-arm seeding units fitted with a rubber block mounting system on a KUHN-exclusive metal bar. The only wearing parts on the machine are the ones that touch the soil.



## Easy greasing

Large, maintenance-free articulations mean that fewer greasing points are needed. And the greasing points are easy to see and access for trouble-free interventions.

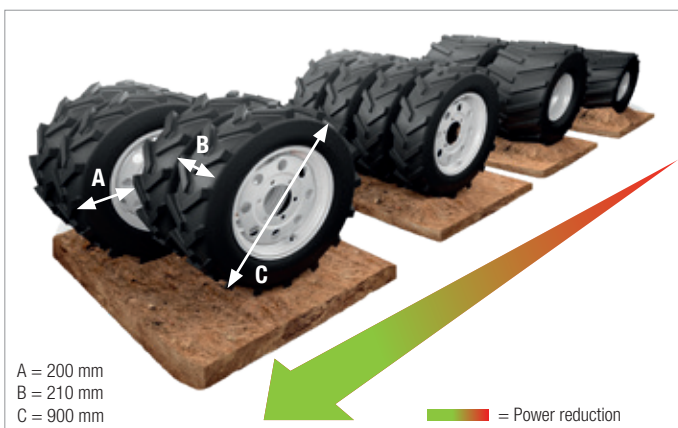


## Maintenance-free working discs

The working discs have sealed bearings which do not require maintenance. They have face seals which make them perfectly airtight and prevent any risk of pollution. This reliable system means peace of mind for users.

## AN EASY-TO-PULL SEED DRILL

ESPRO RC seed drills are equipped with a row of specially-designed offset press wheels that reduce soil build-up. This means that pull-power and fuel requirements are lower and output is higher. A unique savings concept by KUHN!



### THE KUHN ADVANTAGE

#### Large-diameter, narrow wheels

The 900mm wheel diameter reduces rolling resistance considerably compared to smaller wheels and, therefore, the power required to pull the machine. A width of only 210mm and 85mm gap creates excellent soil and residue flow. The infiltration zone is also larger so soil erosion is reduced.

### THE KUHN ADVANTAGE

#### Offset wheels with perfectly square profile

The wheels are offset 200mm front to rear, which minimises the bulldozing effect: soil does not accumulate in front of the row of press wheels. The drill is prevented from bouncing and seed delivery is regular. The tyres have a square profile which creates uniform tamping across the whole tyre width and on all the seed rows. Deep treads crumble the earth to produce a fine surface tilth.

# TAKE ADVANTAGE OF ISOBUS COMPATIBILITY ON ESPRO RC SEED DRILLS



CCI 60, CCI 800, CCI 1200: ONE TERMINAL FOR ALL KUHN MACHINES

CCI 60, CCI 800 and CCI 1200 ISOBUS terminals are AEF-certified. They focus on three priorities: performance, visibility and flexibility. The CCI 60 is simple to use with backlit keys. The CCI 800 and 1200 terminals are equipped with a large antiglare touchscreen capable of displaying different essential information at the same time on the same screen. They also enable automatic seeding management by GPS, whether it be for tramlining, application rate modulation via the TC-GEO function, or automatic metering system start-up and shut-off during headland turns via the Section Control (TC-SC) function.



**CCI 60:**  
simply ISOBUS

The new CCI 60 ISOBUS terminal comes with a 5.7"/14.5cm colour touchscreen. It features 12 backlit keys for easy access to machine functions.



**CCI 800:**  
the compact ISOBUS terminal

The 8"/20.3cm screen displays the main machine and mini-views on the side. Click on the mini-view you wish to enlarge.



**CCI 1200:**  
innovative, panoramic,  
high performance

With the 12.1"/30.5cm screen, all essential information is displayed. Different display formats are possible: mini-view / maxi-view / double UT.

## CCI 800 AND 1200: CUTTING-EDGE FUNCTIONS FOR PRECISION AGRICULTURE!

A MULTITUDE OF APPLICATIONS COME AS STANDARD



**TECU**  
Recover basic tractor information



**CONTROL**  
Control your tasks and your ISO-XLM documentation



**CONVERT**  
Connect to your biomass sensor



**CAMERA**  
Connect a camera and display live images



**HELP SYSTEM**  
The assistance you need

## CHECK OUT THE CCI APPLICATIONS



**CCI. COMMAND SECTION CONTROL**  
Automatic seeding management by GPS



**CCI. TASK CONTROL\***  
Application rate modulation by GPS (SHP and ISOXML) of several products (e.g. seeding + fertilisation)  
Data import/export via agrirouter



**CCI. COMMAND PARALLEL TRACKING**  
Guidance and tramlining assistance by GPS with the Tramline Control function

\* Available as standard on all KUHN CCI 800 and CCI 1200 terminals after signing your connected terminal in online on your MyKUHN account.

### Everything at your fingertips

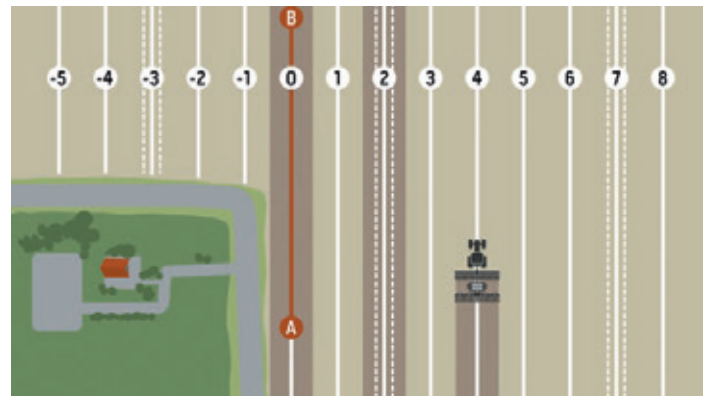
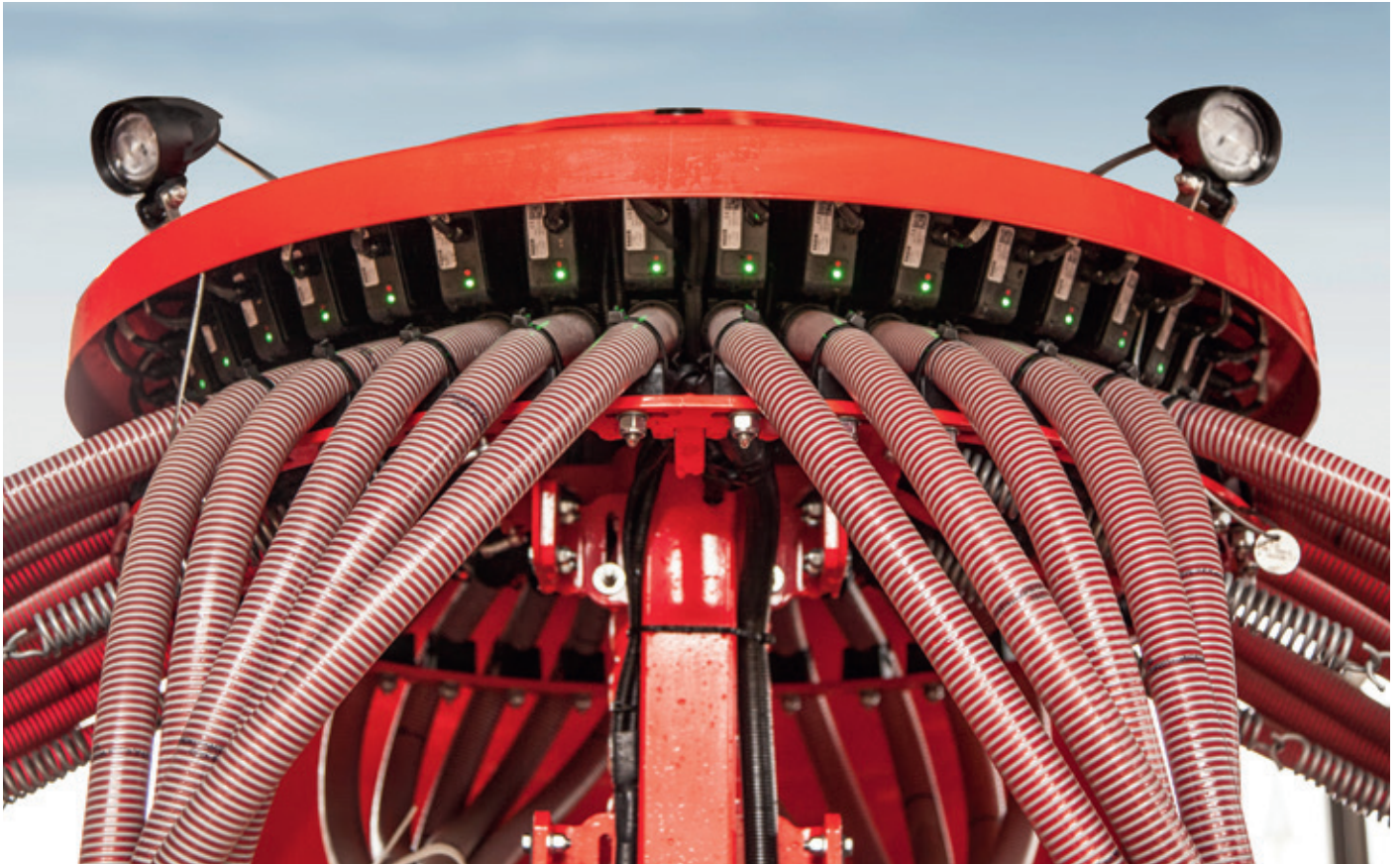
Combine your CCI terminal with the CCI A3 ISOBUS joystick and have the control of the main functions of your seed drill at your fingertips. It is so easy to start your headland turn sequence using the CCI A3!



# MAKE LIFE EASIER WITH UNIVERSAL TRAMLINING

## VISTAFLOW tramlining valves

The distribution head on ESPRO RC seed drills can be equipped with VISTAFLOW smart valves. They control seed flow inside the tubes and enable 2x2-row tramlining. Half-width shut-off is also available, as an option, for symmetrical tramlining directly from the tractor cab. Tramlining becomes possible even when seeding and spraying widths are incompatible!



### Need help?

Use the KUHN VISTAFLOW configurator to find out how many valves you need to perform your tramlining rhythms according to seeding and treatment widths (sprayer and fertiliser spreader).

Go to [www.kuhn.com](http://www.kuhn.com)

### Benefit from Tramline Control technology

Generate your tramlining lines automatically using your GPS position. The Tramline Control option\* is simple and gives you even more precision.

\* CCI 800 or 1200 necessary with CCI. Command Parallel Tracking.

## **ADDITIONAL SEEDING POSSIBILITIES WITH SEVERAL HOPPERS**

### **SH 1120 HOPPER – Sow up to three different species**

Seed drills in the ESPRO RC range can be equipped, as an option, with an additional SH 1120 hopper with a capacity of 110 litres which allows you to sow up to 3 species in one pass! The HELICA metering system features helical, volumetric flutes that make it possible to distribute a multitude of products, of different shapes and sizes, at application rates from 0.5 to 30 kg/ha. The desired rate is injected into the flow of the main metering unit. The products are then mixed and delivered into the same seeding line.



SH 1120  
3.00 to 6.00 m / 110 litres  
ESPRO 4000 RC / 6000 RC



### **SH 2560, 4080 and 600 HOPPERS – Broadcast seeding while sowing the main crop**

Additional SH 2560, 4080 and 600 hoppers make it possible to carry out broadcast seeding while sowing your main crop. SH 2580 and 4080 hoppers, with capacities of 150 and 400 litres respectively, are capable of application rates from 1 to 80 kg/ha, and the SH 600, with a 600-litre capacity can reach 430 kg/ha. The product is spread from the back of the seeding bar, across the whole working width, with specific spreaders.



SH 2560  
3.50 to 4.00 m / 250 litres  
ESPRO 4000 RC



SH 4080  
6.00 m / 400 litres  
ESPRO 6000 RC



SH 600  
4.00 to 9.00 m / 600 litres  
ESPRO 6000 RC

## MORE OPTIONAL EQUIPMENT

Gain access to a higher standard of user comfort with our optional equipment designed to adapt to your every need.



### Track eradicators

ESPRO RC seed drills can be equipped with optional track eradicators. They create fine, airy soil where it has been compacted by the tractor wheels. They are fitted to cylinders so are quick to fold up for headland turns.



### Front levelling blade

ESPRO RC seed drills can be equipped with an optional hydraulic levelling blade at the front which contributes to obtaining a constant seeding depth by levelling the soil perfectly.



### Pre-emergence markers

Optional pre-emergence markers, with separate mounting concept, can be positioned behind any seed disc coulter to adapt to different tramline widths. Furthermore, being independent from the seed disc coulter means that seeding quality and disc coulter pressure are not affected.



**Front press wheel set**

ESPRO RC seed drills can be equipped with an optional, foldable and pressure-adjustable front press wheel set. It is ideal for uniform tamping and easy clod crumbling, and is compatible with the optional track eradicators.



**LED work lights**

Additional, optional LED work lights improve lighting for night work. In addition, a camera can be fitted to the back of the seed drill for better visibility during manoeuvres.



**Adjustable hydraulic block**

ESPRO RC seed drills can be fitted with an optional, adjustable, hydraulic block that can work in load-sensing mode to ensure optimum oil circulation or continuous pumping.

# THEY TALK ABOUT IT

THESE SEED DRILLS HAVE BEEN TRIED AND TESTED IN VARIOUS COUNTRIES,  
PROVING THEIR EFFECTIVENESS IN DIFFERENT SITUATIONS



**Ole JENSEN**

BRDR. THORSEN, DANEMARK.

«Fertilizing gives you a certain freedom and certain advantages. This autumn, for example, we sowed two types of catch crops, spring barley and fodder radish. We sowed barley with fertilizer metering discs and fodder radish with conventional seeding discs. So far, I've sown several things with the machine, and I feel like everything has germinated well. The entire harvest looks promising so far.»



**Pierre CHAZE**

CONTRACTOR, MAYENNE, FRANCE  
- 2500 HA (WHEAT, FABA BEANS,  
PEAS, RAPESEED, TRITICALE, LUPIN,  
SUNFLOWER, CORN).

«The ESPRO's versatility on our farm was quickly recognized. The goal was to be able to sow two different seeds at different depths in the same row and, above all, to be able to separate the seeds.»



**Arkadiusz SMAGA**

KAKOLEWICE, WEST POMERANIAN  
VOIVODESHIP, POLOGNE - FARM OF 250 HA,  
MAIN CROPS: WHEAT, TRITICALE, CORN,  
SUGAR BEET.

«Previously, I used a seed drill from another brand, and I can confirm that the advantage of the ESPRO is its seeding speed. Its design allows for higher seeding speeds, resulting in better yields. In min-till cropping systems, I can even seed at 15 kph with a 250-260 hp tractor. I am very satisfied with the ESPRO.»

Find our testimonies on our  
**Youtube channel**



Scan the QR code.



## KUHN PARTS



**Designed and manufactured to rival time.** KUHN foundries and forge as well as a high-level manufacturing process allow the production of spare parts to defy time. You can truly rely on our know-how and our genuine parts. Farmers benefit from our client support and logistics services via any KUHN PARTS warehouse, which provide quick and reliable repair solutions in cooperation with your nearest authorized KUHN dealer.

## Technical specifications

	ESPRO 4000 RC	ESPRO 6000 RC
Working width (m)	4.00	6.00
Transport width (m)	3.00	
Weight approx. with covering harrow (kg)	6,000	9,200
Tractor power requirement (KW/hp)	132-187 / 180-250	198-294 / 270-400
Hitch category	Cat. 3 lower links	
Necessary hydraulic equipment	2 x SA (blower drive, hydraulic valve bank) 1 x free return (for the valve bank and the blower)	
Necessary electric equipment	1 standardised 7-pin plug for road signalling	
<b>Hopper</b>		
Capacity (l) / partitioning	4,000 (60/40)	5,500 (50/50)
Loading height approx (m)	2.80	3.15
Loading platform	◆	
Disengageable agitator	◆	
Hopper/metering unit separating trapdoor	◆	
Emptying hatch	◆	
Metering unit and hopper inside lighting	◆	
<b>Metering system</b>		
Metering	Centralised volumetric metering unit (1 to 430 kg/ha)	
Number of metering units	2	
Metering system drive	Electric	
Blower drive	By the tractor's hydraulics	
Electronic application rate adjustment	◆	
<b>Seeding units</b>		
Number of working discs over 2 rows	32	48
Number of wheels (900 x 215 mm)	13	20
Type of seeding unit	CROSSFLEX - Single-arm unit with hydraulic pressure and seeding-depth adjustment, offset double discs	
Number of seeding rows / spacing (cm)	26 (15.38)	40 (15)
Type of seeding unit for fertilisation	Single-arm seeding unit with scraper - hydraulic depth adjustment	
Number of fertilising rows / spacing (cm)	13 (30.8)	20 (30.8)
<b>Seeding management</b>		
Terminal	ISOBUS	
Electronic monitoring	Seed level - Blower speed - Metering-unit hatch and rotation	
Tramlining	VISTAFLOW universal tramlining - VISTAFLOW half-width shut-off	
<b>Optional equipment</b>		
Track eradicators	◆	
Levelling blade	◇	
Pre-emergence markers	◆	
Work lights	◆	
Adjustable hydraulic valve bank	◆	

◆ Standard ◇ Optional - Not available

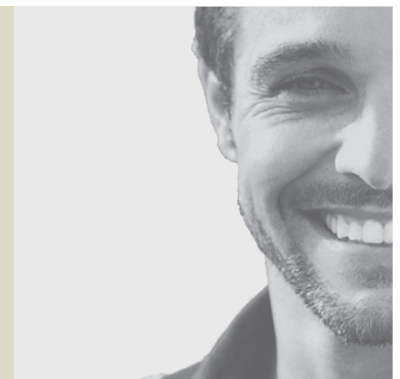
## KUHN SERVICES\*

**KUHN sos order** - Express spare parts service, 24/7\*\*

**KUHN protect+** - The choice of professionals!

**KUHN i tech** - For ever quicker repairs!

**KUHN finance** - Invest rationally!



\* Not all services are available in all countries. \*\* except January 1, May 1 and December 25

# MyKUHNS

THE LINK TO MY SUCCESS

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Check out the most complete range of seed drills on the market.



1. Mounted mechanical - 2. Integrated mechanical - 3. With front hopper - 4. Integrated pneumatic - 5. Foldable pneumatic - 6. Mounted min-till - 7. Trailed min-till - 8. Precision seed drills

KUHN SAS - 4 Impasse des Fabriques - BP 50060 - F-67706 Saverne CEDEX - FRANCE  
KUHN NORTH AMERICA, INC. - 1501 West Seventh Avenue - Brodhead, WI 53520 - USA  
KUHN FARM MACHINERY PTY. LTD - 313-325 Foleys Road - Deer Park, VIC, 3023 - AUSTRALIA  
KUHN FARM MACHINERY (U.K.) LTD - Stafford Park 7 - GB TELFORD/ SHROPS TF3 3BQ

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visit our website [www.kuhn.com](http://www.kuhn.com)

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