

## Trailed Min-Till Seed Drills

**ESPRO 3000**  
**ESPRO 4000 R / 6000 R / 8000 R**  
**ESPRO 4000 RC / 6000 RC**



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



be strong, be **KUHN**







**ESPRO** 3000 4000 R 6000 R 8000 R 4000 RC 6000 RC

# LESS POWER REQUIRED FOR GREATER OUTPUT!

KUHN opens a new chapter in its history of universally applicable seeding solutions with the ESPRO seed drills. Designed for use after the plough, min-till or directly in crop residues, they have been developed to meet your requirements with as much versatility as possible.

## ESPRO 3000 / 4000 R / 6000 R / 8000 R / 4000 RC / 6000 RC

✓ Ploughed

✓ Min-till

✓ Direct or with residues

### SAVINGS, SAVINGS, SAVINGS...

A seed drill that is easy to pull to save on fuel? The ESPRO's low power requirement is due mainly to the specific design of its press wheels in front of the coulters bar.

### HIGH SEEDING PRECISION HIGH WORK SPEED

A universal seed drill that works with precision at high speeds? The CROSSFLEX coulters bar places each seed exactly where it should go at speeds of up to 17km/h.

### A ROBUST AND EASY-TO-USE SEED DRILL

You are looking for an easy to maintain and quick to adjust seed drill? With its simplified structure and equipped with ISOBUS solutions as well as uniform and simple adjustments, the ESPRO seed drills will never stand still for a long time.



|                      | Working width (m/ft) | Number of rows | Hopper capacity (l)                          | Page |
|----------------------|----------------------|----------------|--|------|
| <b>ESPRO 3000</b>    | 3.00                 | 20             | 2,500  | 12   |
| <b>ESPRO 4000 R</b>  | 4.00                 | 26             | 3,500  | 13   |
| <b>ESPRO 6000 R</b>  | 6.00                 | 40             | 3,500  | 13   |
| <b>ESPRO 8000 R</b>  | 8.00                 | 52             | 5,500  | 13   |
| <b>ESPRO 4000 RC</b> | 4.00                 | 26             | 4,000<br>(2,400 seeds /<br>1,600 fertiliser) | 14   |
| <b>ESPRO 6000 RC</b> | 6.00                 | 40             | 5,500<br>(2,200 seeds /<br>3,300 fertiliser) | 14   |

# TILL, TAMP AND SEED IN ONE PASS

Six independent working sections ensure regular crop emergence in any conditions:

- on ploughed land,
- on min-tilled land,
- with direct seeding or residues.

ALL MACHINE ELEMENTS  
WORK INDEPENDENTLY!



## 1. LEVEL...

Benefit from a row of front packer wheels, track-eradicators and a levelling bar, as an option. This equipment provides good soil-surface levelling before the two rows of working discs do their job, contributing to fuel savings and preventing the drill from sinking into light soils. Wheel pressure is hydraulically adjustable from the cab to ensure optimum performance in all soil conditions.

## 2. TILL...

Two rows of working discs open and mix the soil at the front of ESPRO seed drills to ensure that residue is well incorporated into the surface layers. The 460 mm disc diameter helps to create a fine tilth. The concave shape of the discs makes them effective in heavy soils. They are mounted in pairs to reduce the weight and improve soil and residue flow through the machine. Disc hubs are lubed-for-life, no greasing is required.

## 3. TAMP...

Seed to soil contact and consistent seeding depth are vital to ensure a uniform germination and crop establishment. ESPRO seed drills employ a row of press wheels behind the working discs, each one of which consolidates the soil ahead of two seeding units. In this way, there are no voids or cracks left onto which the seed is placed ensuring both good depth control and that each seed actually gets into close contact with the surrounding soil.



# LEVELLING ADAPTED TO VIRTUALLY ALL CONDITIONS

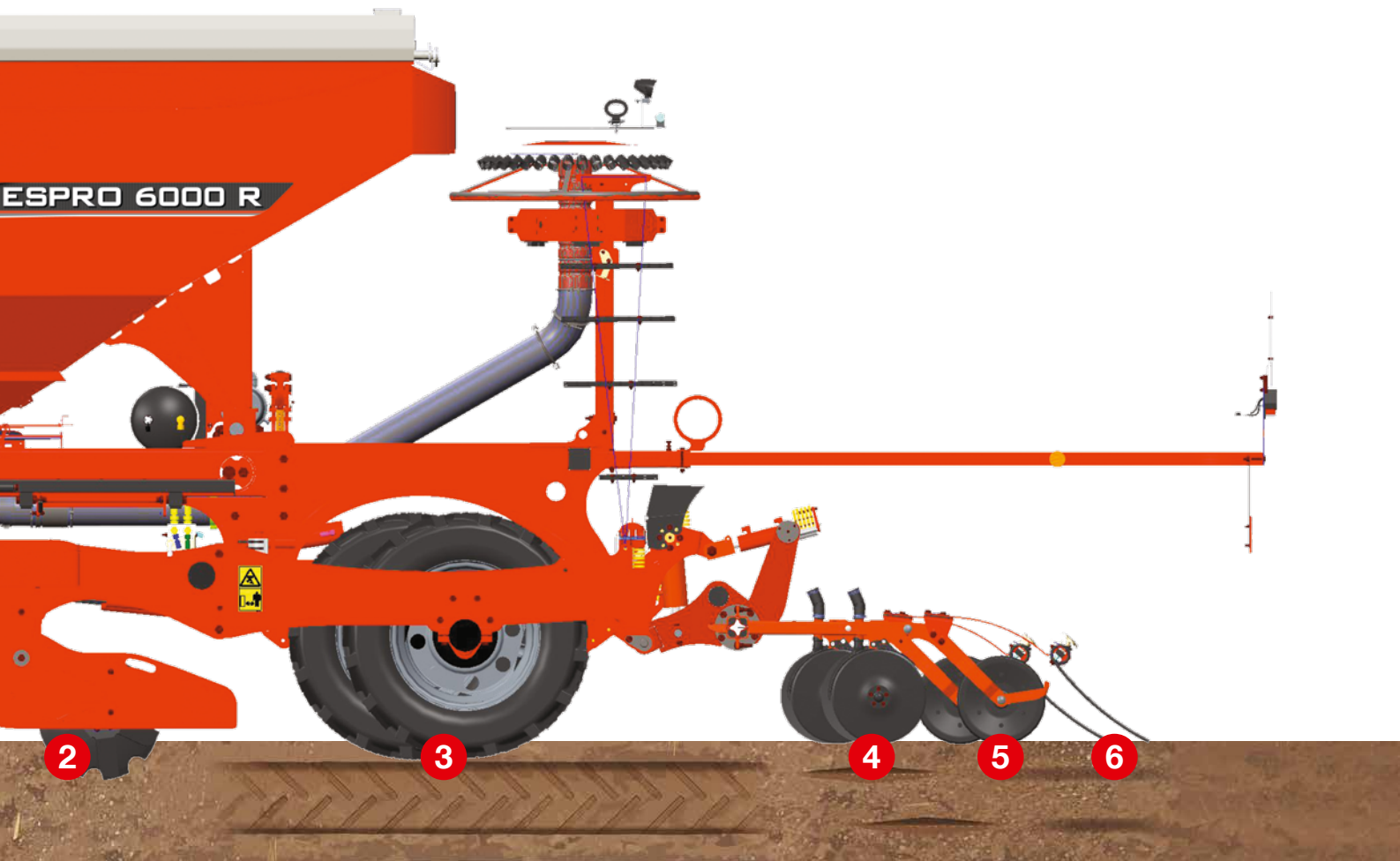
A row of front packer wheels will serve you well.

It levels the soil well before the two rows of working discs and seeding units do their jobs.

This option is available for all ESPRO seed drills.

It also contributes to fuel savings and prevents the drill from sinking into light soil.

Wheel pressure is hydraulically adjustable from the cab to ensure optimum performance in all soil conditions.



## 4. SEED AT THE RIGHT DEPTH

The ESPRO universal seed drill features the CROSSFLEX coulter bar which provides uniform seeding depth in virtually all conditions and working speeds. The seeding units are mounted on a specially profiled bar on rubber blocks. This special structure ensures very precise seeding depth in all conditions including at fast working speeds.

## 5. ENSURE SEED TO SOIL CONTACT...

Press wheels stimulate the transfer of humidity to the seed by capillary action. They also ensure seed to soil contact behind the seeding unit.

## 6. ...AND COVER

The covering harrow effectively covers each seed with soil. It also creates a loose-soil surface to limit slaking which would inhibit seeding emergence.

# OFFSET WHEEL TRAIN: THE POWER SAVER



The row of press wheels on the ESPRO seed drill is the key to increase the profitability of your business. Due to its special design it keeps soil accumulation in front of the packer wheels to a minimum. In this way, its power requirement and fuel consumption stays remarkably low, while ensuring a higher work output.

## UP TO 16.4%\* OF POWER SAVINGS POSSIBLE

A power test was carried out at KUHN trial fields in 2015 on tilled and stubble ploughed land. The ESPRO 6000 R seed drill equipped with a packer roller of narrow, offset tamping wheels with large diameter was compared to another seed drill present on the market equipped with a wheel train of aligned wheels. The overall test results showed up to 16.4%\* power savings with the KUHN ESPRO seed drill.

\* Data established in 2015 during internal testing, based on the traction power necessary for the seed drill. Power requirement may vary according to operating conditions and machine equipment.



# PACKER WHEELS: A UNIQUE DESIGN

## A LARGE WHEEL DIAMETER

The 900mm diameter of the packer wheels reduces rolling resistance and therefore the power required to pull the machine compared to smaller wheels.

## NARROW WHEELS

At the same time the wheels are rather narrow (210mm), leaving a 85mm gap between them for an excellent soil and residue flux. Their small width has another important effect: It leaves a larger infiltration zone in-between and therefore efficiently avoids erosion.

## THE OFFSET EFFECT

The packer wheels are offset 200mm front to rear, which eliminates the bulldozing effect, thereby reducing the power requirement and making the drill easier to pull. No accumulation of soil in front of the wheel row also prevents the drill from bouncing, thus ensuring a uniform seed delivery.



## PERFECTLY SQUARE

The tyres have a perfectly square profile which ensures uniform consolidation of the whole tyre width and each seeding row.

Deep treads crumble the earth to create a fine surface tilth.



# PRECISION AT HIGH SPEED

Ensuring a consistent seeding depth in virtually all conditions and also at elevated working speeds, while keeping a simple structure: Too many requirements to combine in one coulter bar you think?

The CROSSFLEX bar proves the opposite. It consists of a specially profiled cross-shaped tube, on which the coulter arms are mounted via four polyurethane blocks. Thus, the latter are held tight in position and act only under compression, but cannot slide across the surface of the tube.

In this way, the coulter is returned quickly and precisely to its pre-set position every time resulting in very precise seed placement across the field even at faster working speeds. Coulter pressure is therefore consistent and coulter penetration ensured!



TRAILED UNIVERSAL SEED DRILL KUHN ESPRO 6000 R

✓ Work quality

DLG Test Report 6421

## WORK QUALITY OF ESPRO 6000 R NOW DLG APPROVED

The DLG (German Agriculture Association) has extensively tested the ESPRO 6000 R seed drill in a static and field test in 2016.

It scored convincing results in the category „work quality” and thus was awarded the “DLG approved” test quality mark.

| Test criterion   | Test result                 |
|--|-----------------------------|
| Metering accuracy for wheat / barley / rapeseed              | Very low                    |
| Lateral distribution of wheat on level ground / on the slope | Good / good to satisfactory |
| Lateral distribution of barley on level ground               | Satisfactory                |
| Lateral distribution of rapeseed on level ground             | Very good                   |

| Test criterion                                       | Test result   |
|--|---|
| Metering accuracy for wheat / rapeseed               | Very low (2.2%) / very low (1.1%)   |
| Field emergence of wheat                             | Very good (92%)   |
| Field emergence of rapeseed                          | Good (87%)*   |
| Longitudinal plant distribution for wheat            | Good (variation factor 1.0)   |
| Longitudinal plant distribution for rapeseed         | Very good (variation factor 0.7)  |
| Seed depth placement for wheat (length of hypocotyl) | Target: 3-4cm<br>Measured: 1.8-4.1cm<br>Average value: 3.1cm<br>Standard deviation: 0.5cm |

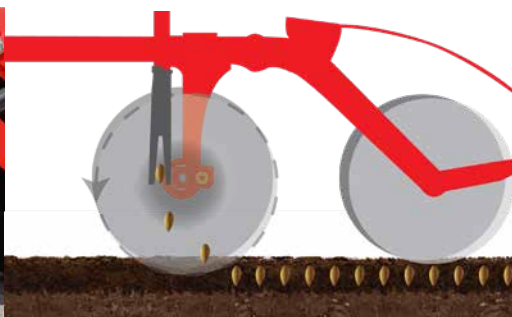
\*In rather dry seeding conditions





## CROSSFLEX COULTER BAR

The CROSSFLEX coulters bar consists of single-arm seeding units mounted with a simple and effective rubber-rod system.



### CUTTING-EDGE DOUBLE DISCS

The 350mm-diameter double discs with 41mm offset are well designed. The bevelled edge penetrates the soil efficiently as well as cutting through and clearing crop residues. The front disc can wear down to 32mm before a difference between the discs causes soil clogging. The reduced disc angle increases inter-row spacing which is an advantage with Min-Till.

### SMALL DETAIL. GREAT PRECISION.

It's the small details, which often make the key difference. The fact that the seed outlet between the double discs is positioned in front of the discs' hub is one, which provides for great seeding precision. In this way, the seed can "accompany" the discs in its downward rotational movement. The outlet's special V-shape adds also to a precise seed delivery without bouncing, as the air flow from the blower can escape more easily upwards, meaning that the seed drops into the seed furrow simply due to gravity.

### THE PERFECT FINISH

350 x 50mm press wheels ensure a reliable depth guidance and tamping behind the seed coulters. Being semi-pneumatic allows their surface to flex a little to keep them clean. They are also fitted with scrapers as standard. Additionally one pair of covering harrow tines is mounted at every other seed unit. The tines are mounted on spring leaves to prevent blockages as well as to ensure that tine movement will not affect the seeding depth.



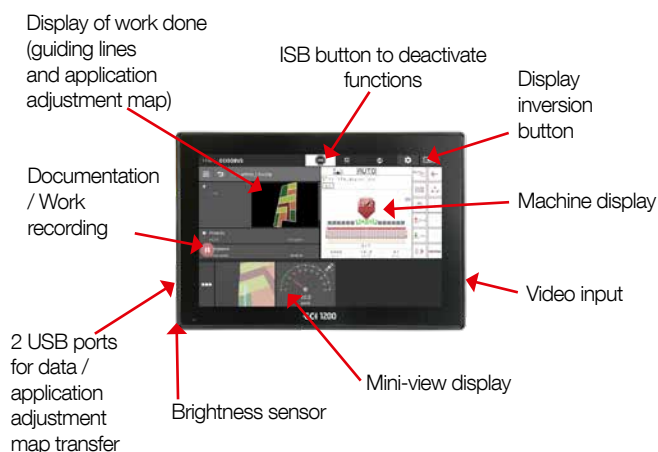
# KUHN ISOBUS SOLUTIONS



As founding member of CCI (COMPETENCE CENTER ISOBUS), KUHN is well placed to help you adopt ISOBUS technology quickly and easily. Being member of the AEF (AGRICULTURAL INDUSTRY ELECTRONICS FOUNDATION) it is our mission to define and develop the ISOBUS norm in partnership with manufacturers and provide you with the best possible solution. CCI terminals feature easy-to-use standard applications to make your life easier. Additional applications can be added as and when required. Speak to your KUHN dealer for information on each solution. All machines in the ESPRO range are AEF-certified and have ISOBUS technology as standard.

## CCI 1200 A NEW ISOBUS TERMINAL FOR KUHN MACHINES

Check out the cutting-edge technology of the AEF-certified ISOBUS terminal. It features many applications as standard.



## CCI 50 COMPACT AND COMPLETE

Take a look at the AEF-certified ISOBUS CCI 50 terminal. It is a concentration of all that is essential in a highly versatile control box.



The new AEF-certified ISOBUS CCI 1200 terminal has three priorities: performance, visibility and flexibility. It enables you to control your machines intuitively with its large (30.5cm/12.1") anti-glare touch screen. It allows the simultaneous display of different information, essential for the driver, as well as including the functions for joystick control and use of camera. It has many innovative applications such as being compatible with a biomass sensor, being able to carry out Section Control, driving assistance and application rate modulation / control by GPS!

This AEF-certified terminal is extremely versatile with its 14.2cm/5.6" colour touch screen. It allows for camera connection and is compatible with a biomass sensor. It includes great features such as Section Control, application rate modulation by GPS and driving assistance.



# USER-FRIENDLY INTERFACES

You'll have no problem adjusting the machine to optimum settings: it's so easy!



## EVERYTHING AT YOUR FINGERTIPS

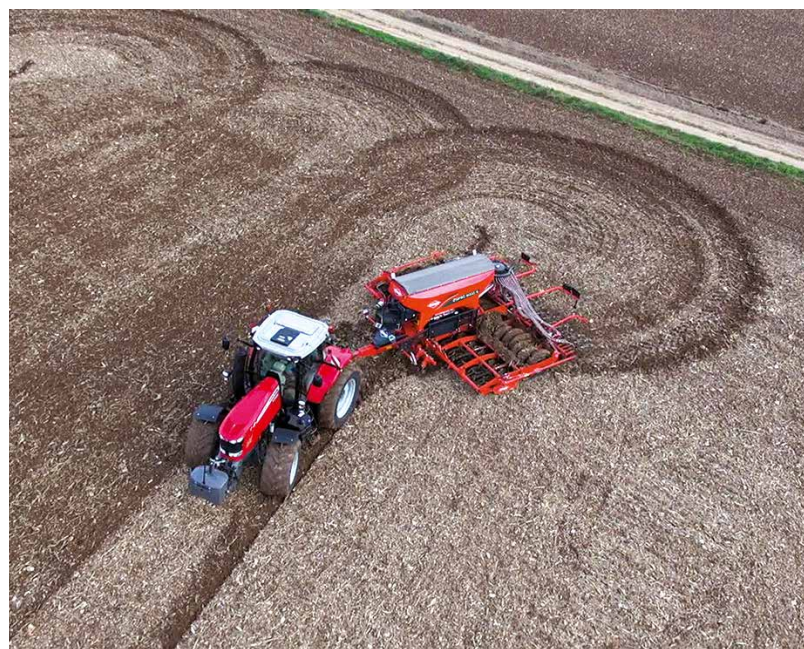
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A joystick is available as an option to bring the main drill controls right to your fingertips. This includes the main working elements such as the press wheels, working discs and CROSSFLEX coulter bar. In automatic mode the joystick can be used to start the headland sequence.

## SMART HEADLAND MANAGEMENT

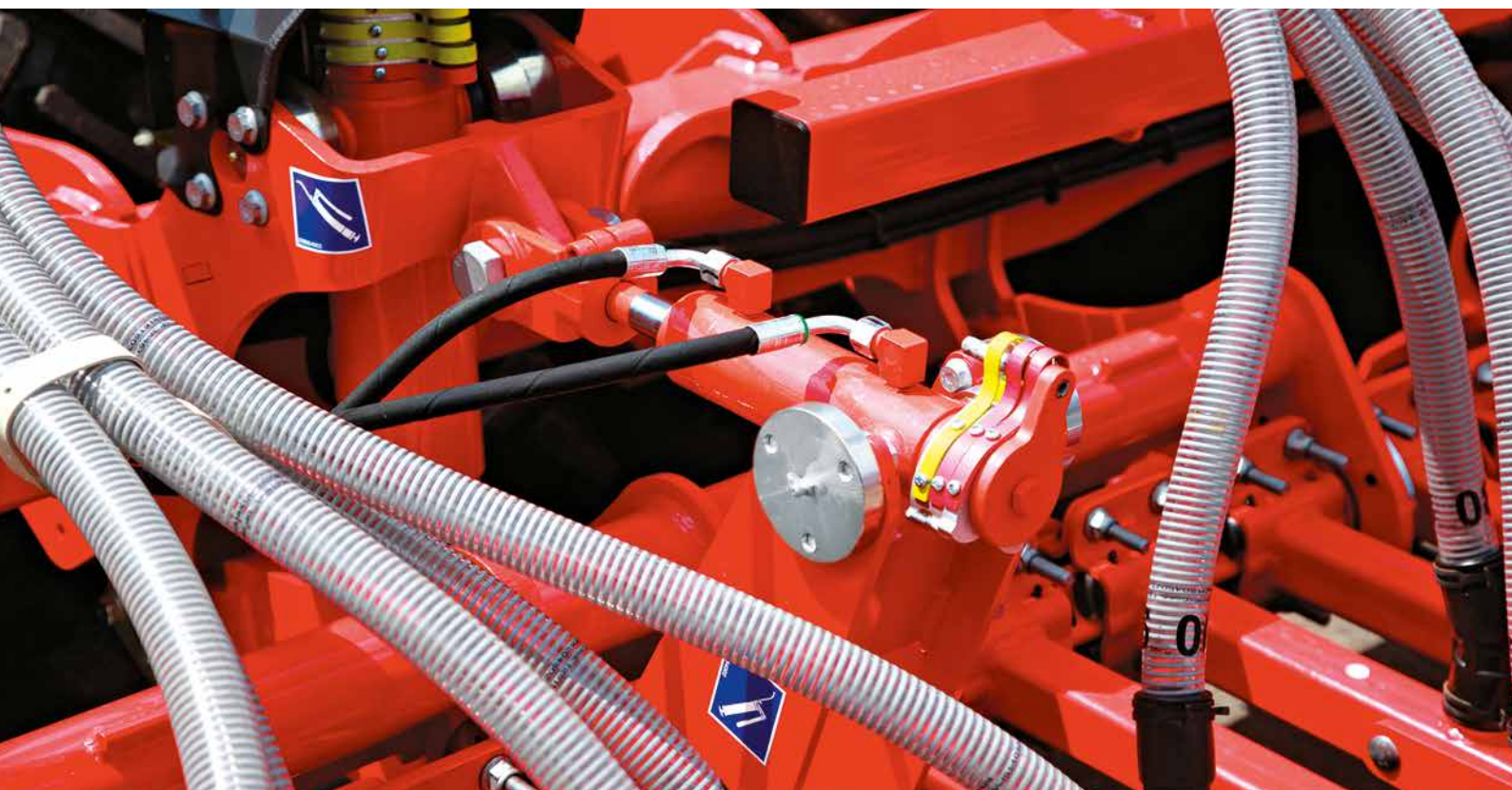
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An automated pre-programmed headland sequence has been integrated into the terminals for quick and easy turns. You define when you want the metering unit to stop and when the units should lower after the turn. After entering the settings just press the button to start the sequence.





# QUICK AND EASY ADJUSTMENTS



## WITH SIMPLE CLIPS

The front working discs, seeding depth and coulters pressure are all adjusted by adding clips to the hydraulic cylinders, or removing them. This system makes it possible to record settings for future reference. Extra clips can be kept on the machine. Seeding-depth and coulters-pressure cylinders are next to each other and easily accessible without having to climb over the machine.

## CALIBRATING THE SEED IN TOTAL CONVENIENCE

Your control box guides you comfortably through the calibration process. One calibration button per metering unit reduces the number of times you have to climb into the tractor cab. A hook for hanging the weighing scales is provided on the side of the front platform.

When working at night, the metering unit and hopper lights can be switched on and off with a conveniently located button.





## POWER SAVINGS AND MORE

This rigid model with a working width of 3.00m features a 2,500l hopper. Its pull power requirement of 35hp per metre\* makes it an ideal drill for smaller grain farms not equipped with the latest high-powered tractor but looking for a universal seeding solution. This model gives impressive results on ploughed land, min-till and with direct seeding, even with crop residues to mix in. Optional front packer wheels give great results with conventional seeding management.

*\*Depending on working conditions and machine options.*



# OUTPUT AND MORE

ESPRO 4000 R, 6000 R and 8000 R models at widths of 4.00, 6.00 and 8.00 metres are able to carry up to 5,500l of seed. They meet the requirements of large cereal farms and contractors in terms of output. Seeding speeds of up to 17km/h can be reached with 160 to 270 hp tractors\* so you can optimise narrow seeding windows. No concessions are made in seeding precision with the CROSSFLEX coulter bar. The ESPRO universal seed drill is ISOBUS-compatible to facilitate job management and data exchange between the machine, the tractor and the terminal.

*\*Depending on working conditions and machine options.*

## SNUGGLING THE GROUND CONTOURS

Three separate frame sections allow the outer wings of the ESPRO seed drill to smoothly adapt to the terrain across the entire drill width. Wing pressure is hydraulically adjustable.





# ALL AGRONOMIC POSSIBILITIES AT HAND

Two metering and distribution systems provide many more operating possibilities. ESPRO 4000 RC and 6000 RC foldable seed drills with 4 and 6m working widths respectively come with a hopper divided in two.



## 2 METERING UNITS. TWICE HIGHER COMFORT.

The two metering units are identical and calibrated like other ESPRO models. Simple clips are used to adjust seeding depth.

## LARGE HOPPER SAVES TIME

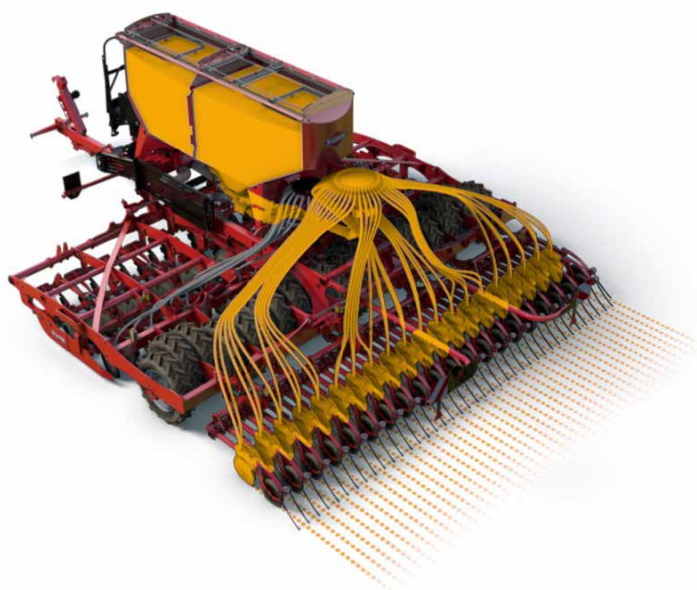
The high 4,000l and 5,500l hopper capacity of ESPRO 4000 RC and 6000 RC seed drills respectively, gives you considerable autonomy. A fixed wall on the ESPRO 4000 RC model divides the hopper into two parts with 60% for one seed-type and 40% for fertiliser (or a second variety). The ESPRO 6000 RC has a removable wall that makes a separation of 40% for one seed-type and 60% for a second use. The entire hopper of both models can be loaded with the same seed-type by simply opening the hatch in the partition wall.

## PRECISE FERTILISER POSITIONING IS ESSENTIAL

The fertiliser or second seed variety is placed directly in front of the press wheels by a row of single disc coulters. Each one, adjustable in depth, is located precisely in between two seed rows. In this way the fertiliser can be positioned in spot-on distance from the seeds. Thus, the seedlings are optimally supported in their early growth stages without risk of burning.

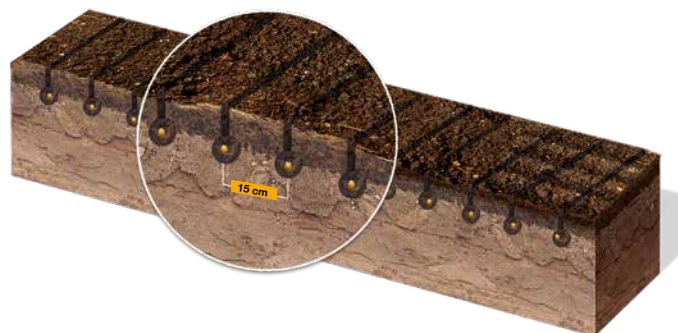


# ALL AGRONOMIC POSSIBILITIES AT HAND



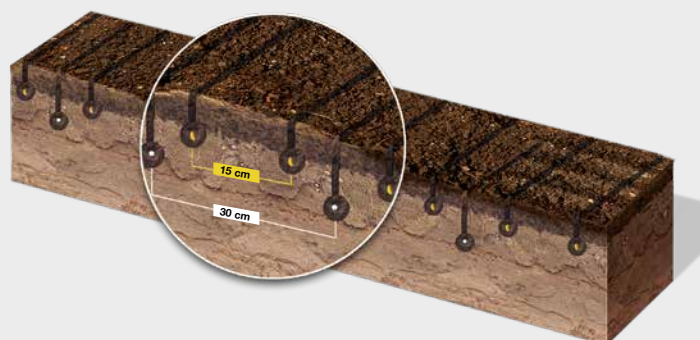
## MAIN CROP A

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 coulters only.



## MAIN CROP A + FERTILISER A

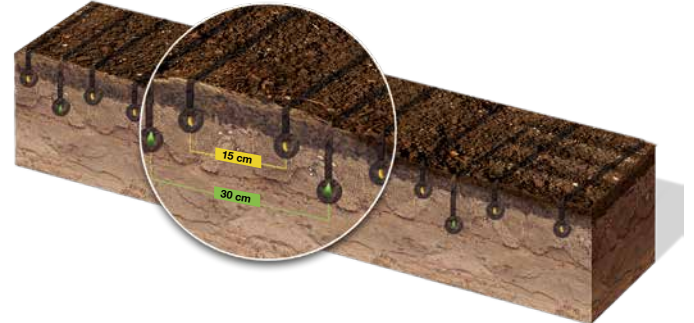
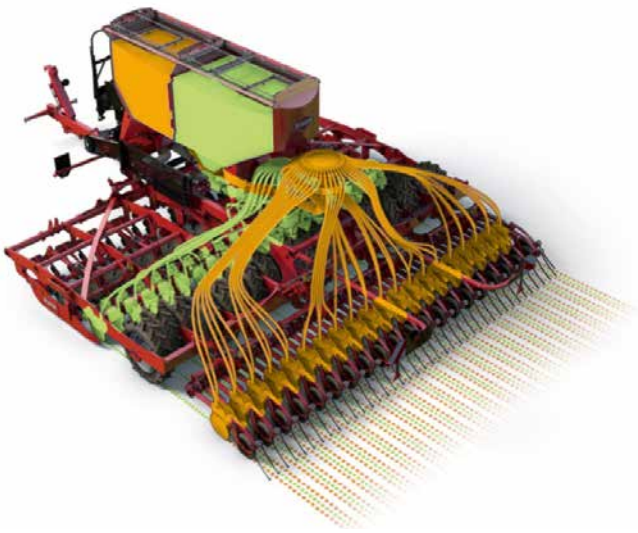
You can meter and seed your main crop while fertilising in one single pass. The fertiliser is deposited under the roots between two seed rows. Adjustable fertiliser depth prevents seedlings from burning.





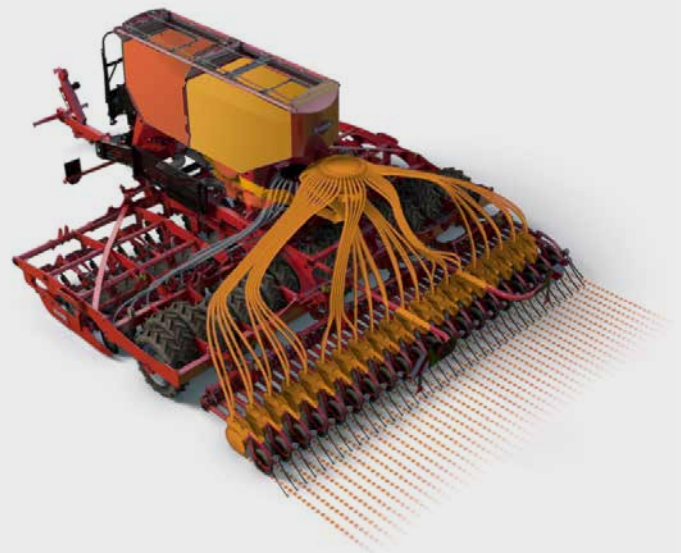
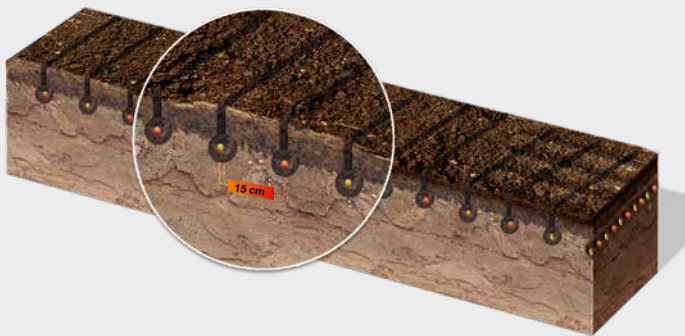
## MAIN CROP A + MAIN CROP B

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



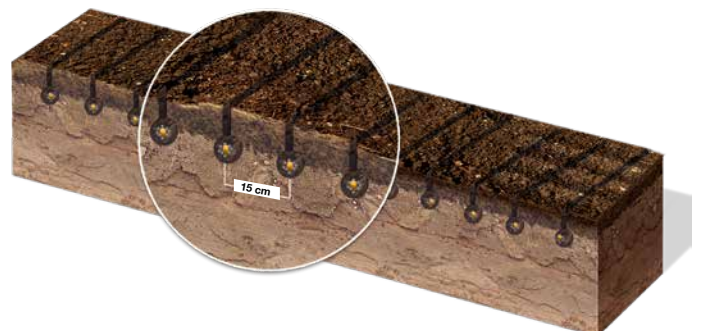
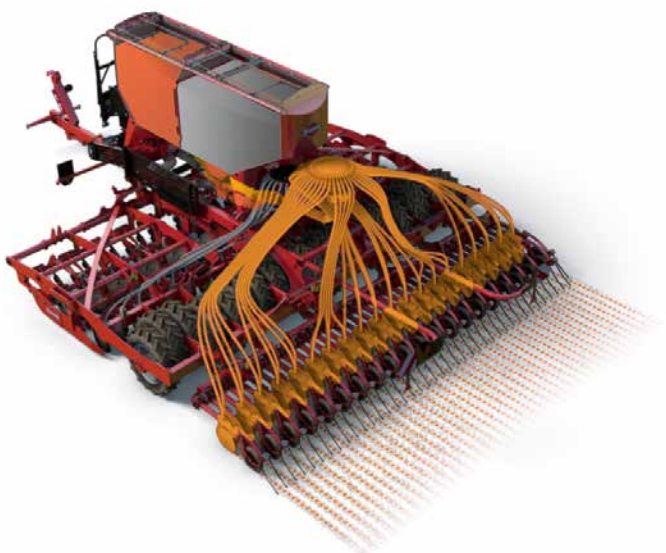
## VARIETY A + VARIETY B

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.





# SIMPLIFIED MAINTENANCE



## ZERO MAINTENANCE DISC HUBS

The disc hubs of the front working discs are sealed and oil filled, thereby eliminating the need for periodical greasing.

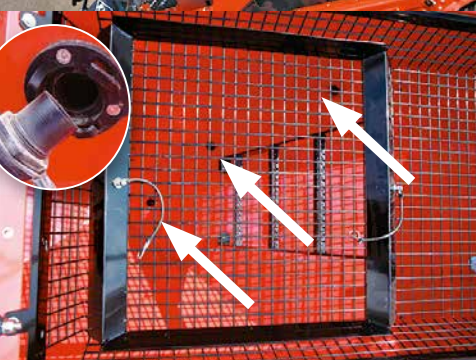
## A SIMPLIFIED COULTER BAR

The CROSSFLEX coulters bar is made up of single arm seeding units using a simple and effective rubber rod mounting system – no need to worry about wear pivots! The only wear parts of the machine can be found where it engages with the soil.

## EASY GREASING

The number of grease points is reduced thanks to the simple overall structure of the ESPRO seed drill. Additionally, they are easy to access without having to climb onto the machine.

# COMFORTABLE HOPPER FEATURES



## EASY ACCESS TO THE HOPPER

The hoppers on all ESPRO models are accessible at the front with a folding ladder. On ESPRO 4000 R / 6000 R / 8000 R / 4000 RC and 6000 RC, side access is possible via a platform placed above the working tools. The platform folds automatically when the machine is put into transport position. Cleaning is also made easy with steps inside the hopper.

## FLEXIBLE FILLING AND EMPTYING

Large hopper openings and low filling heights on all ESPRO models allow easy filling with big-bags or in bulk. Adapted platforms also enable you to fill the hopper by hand with small bags. At the hopper bottom an outlet caters for quick emptying of residual seed.

## KEEP EXACT TRACK OF THE FILLING LEVEL!

Two sensors in the hopper help to monitor the filling height all the time. The current hopper level is clearly shown on the control box screen. In order to customize the monitoring to the seed size, the sensors can be moved between three different positions – even with a hopper full of seed.



# MORE OPTIONS AND FEATURES FOR YOUR BENEFIT

## ROW SPACING QUICKLY ADAPTABLE TO CROP

All divider head outlets have a manual valve so that you can shut them off easily one by one, if you would like to increase the standard row spacing of 15cm. All this can be done without tools and without needing to remove the divider head cover, neither special plugs need to be fitted. Half-width shut-off and tramlining are available as options.

## TRACK ERADICATORS AS OPTION

Up to two pairs of track eradicators may be fitted behind the tractor wheels to remove wheel marks. An intelligent fold system allows them to be quickly retracted from work during headland turns. Hard coated as standard, they are very resistant to wear.



## AN ATTACHMENT THAT PROVIDES OPTIMUM MANOEUVRABILITY

The ESPRO seed drills are attached to the tractor via a lower link hitch with a telescopic drawbar. This solution provides for:

- increased manoeuvrability compared to a single point drawbar,
- a quick coupling and uncoupling from the tractor,
- a flexible overall machine length as the drawbar can be set in three positions on the 4 and 6m drill and two positions on the 3m model; in this way it can be adapted according to the front tool and whether or not the tractor is equipped with twin wheels.



## PRE-EMERGENCE MARKERS ON SEPARATE ARMS

The separate mounting allows easy positioning of the pre-emergence markers behind any seed coulters to adapt to different tramline widths – very useful for contractors! Furthermore being independent from the seed coulters also means that they don't affect the seeding quality and coulters pressure. The markers are available as option on all ESPRO models.



# MORE OPTIONS AND FEATURES FOR YOUR BENEFIT

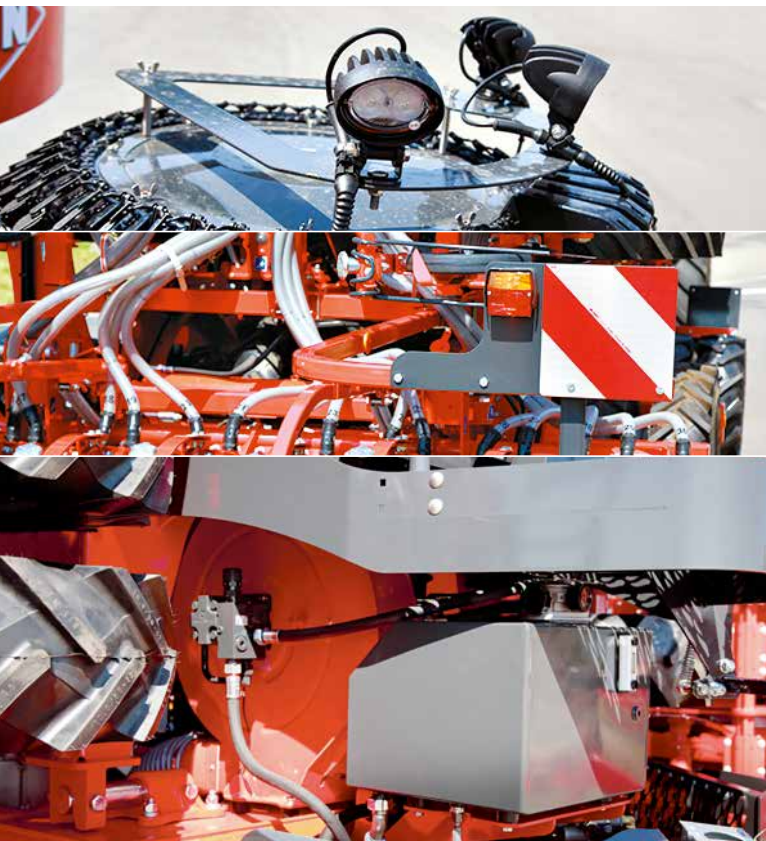
## SAFE AND STABLE DURING TRANSPORT

The centre section of the press wheels is lifted at transport. In this way, the outer wheels bridge over an eventual camber in the middle of the road and braked wheels maintain good road contact. With 40 % of the wheels resting on the asphalt, unnecessary tyre wear is avoided, whereas the machine stability during transport is ensured.



## DRIVE AT 40 KPH ON THE ROAD

As the ESPRO drill is equipped with a pneumatic brake system, thus it is homologated for up to 40kph groundspeed during road transport, also with a full hopper (This may change according to the country of use).



## THE RIGHT LIGHTING ON THE ROAD AND DURING WORK

Road lights and signalling boards come as standard. They meet the legislative requirements in all countries where the ESPRO seed drill is sold. LED work lights are fitted as standard for night time jobs. The kit consists of two rear lights for the ESPRO 3000 / 4000 R / 4000 RC and three for the ESPRO 6000 R / 8000 R and 6000 RC to light up the coulter bar and side markers. There are also lights under the hopper which can be turned on and off with a switch. A camera can be fitted to the rear of the machine for better visibility when manoeuvring. The high-quality video is viewed directly on the KUHN terminal.

## TALKING ABOUT THE MACHINE'S HYDRAULICS

On one side, an adjustable hydraulic block is fitted on the ESPRO seed drills. It can work in load sensing mode ensuring that oil circulation is used in the most efficient way possible or with continuous pumping. The blower, on the other side, is driven as standard by a continuous oil circulation, whereas a PTO pump can be fitted as option.



# TESTIMONIES...

These seed drills have been tried and tested in different countries. They have proven effective in diverse conditions.

"This machine is very easy to operate and very simple of use. The visual result of the soil preparation is very good. The quality of emergence is impressive as well as the regularity. All establishments carried out in the first year have properly emerged. Even with small seeds like rapeseed. I don't regret having purchased this machine because of its simplicity, its robustness, its ease of implementation and versatility when considering the previous cultivation method. To try it is to adopt it!"

## MICHAEL DIDOT

Meuse, France, Mixed farming 300 ha (wheat, barley, rapeseed, maize).



"This year in autumn we have drilled 600ha with the ESPRO drill. The particularity at our location are the diverse soils of different quality, but the drill came to terms wonderfully in these varying conditions. We have used the machine fifty-fifty on ploughed land and after the disc harrow behind a tractor of 200hp, which had no problem to pull the machine. On humid plots after sugar beet the machine was also very easy to pull due to the large front packer wheels. It requires less fuel than our previous drill."

## CHRISTIAN GOLDACKER

Agricultural cooperative Querstedt, Sachsen-Anhalt, Germany - Mixed farm with 850ha arable land and 250ha grassland

"The versatility of the ESPRO on our farm was quickly noticed. The goal was to be able to sow two seed varieties at different depths on the same seeding line and especially to be able to separate the different seeds. The seed drill allowed us to develop the direct seeding activity."

## PIERRE CHAZE, ETA CHAZE

Contractor, Mayenne, France  
2500 ha (wheat, horse beans, peas, rapeseed, triticale, lupine, sunflower, maize).



"I use ESPRO 6000 RC seed drill and you might think that in these constructions everything has been already achieved. Previously I was using a seed drill of other brand and I can confirm that the advantage of ESPRO is shorter seeding time. Its construction allows to seed with higher speed which translates into better output. On my minimum tillage fields I can seed even at 15 km/h with a 250-260 hp tractor. I'm very satisfied with the ESPRO."

## ARKADIUSZ SMAGA

Kąkolewice, West Pomeranian voivodeship, Poland  
Farm with 250 ha, main crops: wheat, triticale, maize, sugar beet.

"It gives you a degree of freedom and certain advantages to also have the fertiliser equipment. For instance this autumn we have been seeding two types of cover crops. In this case we have chosen to seed spring barley and fodder radish, the barley with the fertiliser discs and the radish with the regular seeding discs. Until now I have been seeding different things with the machine and they have all well germinated, everything looks promising."

## OLE JENSEN

Brdr. Thorsen, Denmark





| Technical specifications                       | ESPRO 3000  | ESPRO 4000 R      | ESPRO 6000 R                                   |
|--|---|-------------------|--|
| Working width (m)                              | 3.00  | 4.00              | 6.00   |
| Transport width (m)                            |   |                   |  |
| Weight with covering harrow approx. (kg)       | 3,700   | 5,500             | 8,000  |
| Attachment                                     |   |                   |  |
| Tractor hydraulic equipment required           | 2 x SA (Blower drive, hydraulic block)<br>1 x free return (for block and blower)<br>1 DA (central wheel lift) |                   |  |
| Tractor electrical equipment required          |   |                   |  |
| Tractor power requirement (kW/hp)              | 74-147 / 100-200  | 117-170 / 160-230 | 147-257 / 200-350                              |
| Working speed (km/h)                           |   |                   |  |
| Speed signal                                   |   |                   |  |
| Hopper capacity (l)                            | 2,500   | 3,500             |  |
| Partition (%)                                  |   |                   | -  |
| Loading height approx. (m)                     | 2.40  | 2.65              |  |
| Metering                                       |   |                   |  |
| Number of metering units                       |   |                   | 1  |
| Metering unit drive                            |   |                   |  |
| Disengageable agitator                         |   |                   |  |
| Hopper/metering unit separating sliding hatch  |   |                   |  |
| Emptying hatch                                 |   |                   |  |
| Blower drive                                   |   |                   |  |
| Number of working discs over 2 rows            | 24  | 32                | 48   |
| Number of wheels (900 x 215mm)                 | 10  | 13                | 20   |
| Number of fertiliser rows                      |   |                   | -  |
| Spacing between rows for fertilisation (mm)    |   |                   | -  |
| Number of working discs with 460mm over 2 rows | 20  | 26                | 40   |
| Spacing between rows (mm)                      |   |                   |  |
| Type of seeding unit                           |   |                   | CROSSFLEX - Single-arm unit with hydraulic adj |
| Control terminal                               |   |                   |  |
| Electronic monitoring                          |   |                   |  |
| Electronic application rate adjustment         |   |                   |  |
| Type of seeding unit for fertiliser            |   |                   | -  |
| Loading platform                               |   |                   |  |
| Lighting for metering unit and inside hopper   |   |                   |  |
| LED work lights                                | As standard - 2 lights  |                   |  |

◆ standard ◇ option - not available



## 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.





| ESPRO 8000 R   | ESPRO 4000 RC                         | ESPRO 6000 RC   |
|--|---------------------------------------|---|
| 8.00   | 4.00                                  | 6.00  |
| 3.00   |                                       |   |
| 10,800   | 6,000                                 | 9,200   |
| Cat. 3 lower link hitch  |                                       |   |
| 2 x SA (Blower drive, hydraulic block)<br>1 x free return (for block and blower)                         |                                       |   |
| 1 x 7-pin plug for lighting and signalling   |                                       |   |
| 198-294 / 270-400  | 132-184 / 180-250                     | 198-294 / 270-400   |
| 7-17   |                                       |   |
| on-board radar   |                                       |   |
| 5,500  | 4,000 (2,400 seed / 1,600 fertiliser) | 5,500 (2,200 seed / 3,300 fertiliser)                     |
|  | 60/40                                 | 60/40 or 40/60 by moving partition                        |
| 3.15   | 2.80                                  | 3.15  |
| Centralised volumetric metering unit (1 to 430 kg/ha)  |                                       |   |
|  |                                       | 2   |
| Electric   |                                       |   |
| ◆  |                                       |   |
| ◆  |                                       |   |
| ◆  |                                       |   |
| Via tractor hydraulics   |                                       |   |
| 64   | 32                                    | 48  |
| 26   | 13                                    | 20  |
|  | 13                                    | 20  |
|  |                                       | 300   |
| 52   | 26                                    | 40  |
| 150  |                                       |   |
| Adjustment of pressure and seeding depth. double offset discs with hard-coated scrapers and press wheels |                                       |   |
| ISOBUS machine   |                                       |   |
| Compatible with CCI terminal or tractor's AEF-certified terminal   |                                       |   |
| Seed level - Blower speed - Metering unit hatch and rotation   |                                       |   |
| ◆  |                                       |   |
|  |                                       | Single-arm unit with scraper - hydraulic depth adjustment |
| ◆  |                                       |   |
| ◆  |                                       |   |
| As standard - 3 lights   |                                       |   |

## KUHN SERVICES\* Maximize the use and productivity of your KUHN equipment

\*Not all services and equipment are available in every country.

### KUHN sos order

#### EXPRESS SPARE PARTS SERVICE 24/7

You urgently need spare parts? With KUHN SOS ORDER benefit from express delivery seven days a week, 365 days a year. Thus, you can minimize machine downtime considerably and increase your work output.

### KUHN protect +

#### THE CHOICE OF PROFESSIONALS!

Benefit from 36 months in complete serenity because of KUHN's PROTECT + warranty. You can concentrate exclusively on your work and the performance of your machine. Because this is what you expect, when investing in high-tech machinery.

### KUHN i tech

#### FOR EVER QUICKER REPAIRS!

An unexpected technical problem always occurs at the wrong time. Your KUHN dealer can support you quickly and efficiently thanks to KUHN i tech. With this 24/7 online service, a quick and exact diagnosis is possible.

### KUHN finance

#### INVEST RATIONALLY!

New machine necessary, financing unsure? Modernize your equipment and develop your farm with KUHN FINANCE, in total safety and according to your needs and demands. We offer custom-made finance solutions, adapted to your requirements.



**KUHN****ESPRO**

# MACHINE OF THE YEAR 2015

## ESPRO: AWARDED BY EXPERTS

At the 2015 edition of the SIMA exhibition in Paris, France, the ESPRO universal seed drill was awarded the prize "Machine of the year 2015" in the seeding category. Its remarkable features have convinced the jury, a panel of specialized journalists from 11 European countries. The contest was initiated in 1997 by the German agricultural publishing house DLV (Deutscher Landwirtschaftsverlag), who organizes the award at each Agritechnica, while Terre-Net Media is responsible for the SIMA.



## 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. trailed pneumatic 6. mounted min-till 7. trailed min-till 8. precision seed drills.

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