

Mechanical Seed Drills

## PREMIA



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be strong, be **KUHN**



# EVERYTHING FOR SEEDING QUALITY

With its long experience in mechanical seed drills, KUHN offers mounted models from 2.50 to 4 m with hopper capacities of 380 to 1,450 l. One model for each small or medium-sized farm!

## ALL SEED SIZES WITH ONE MACHINE

You would like to seed several types of seeds while respecting the seeding rate and the distribution in the row? Then you should take a closer look at the HELICA volumetric seed metering by fluted rollers on KUHN mechanical seed drills.

## DEMANDING HIGH SEEDING QUALITY

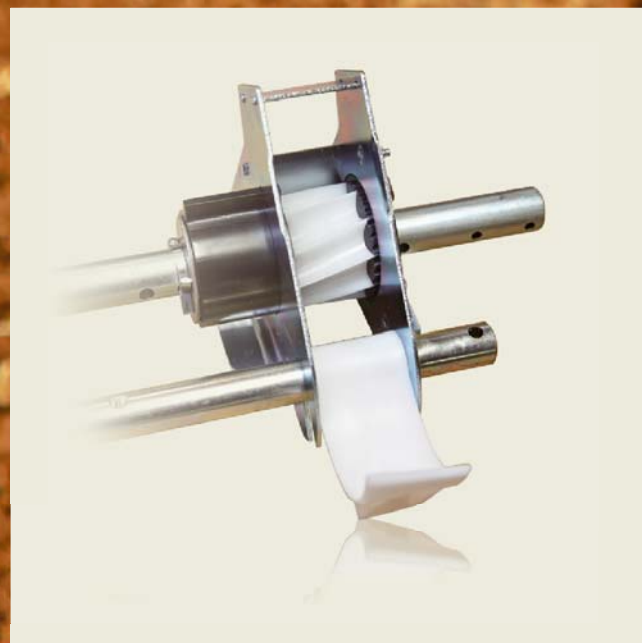
PREMIA seed drills provide high-quality results with seeding units able to seed with adapted coulter pressure, with solutions for mixed soil types and a covering harrow designed to work under variable conditions.

## LOOKING FOR AN EASY TO ADJUST MACHINE

KUHN engineers have especially paid attention to easy adjustments and simple access to adjustment points.

## PREMIA mechanical seed drills in brief:

|                    | Working widths (m) | Number of rows | Hopper capacity (l) |
|--------------------|--------------------|----------------|---------------------|
| <b>PREMIA 250</b>  | 2.50               | 20             | 380                 |
| <b>PREMIA 300</b>  | 3.00               | 20 or 24       | 480 (780)           |
| <b>PREMIA 3000</b> | 3.00               | 20 or 24       | 780 (1,080)         |
| <b>PREMIA 3500</b> | 3.50               | 24 or 27       | 900 (1,250)         |
| <b>PREMIA 4000</b> | 4.00               | 28 or 32       | 1,080 (1,450)       |





## SEED DISTRIBUTION UNDER CONTROL

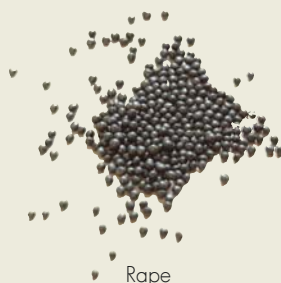


**VERSATILE** The HELICA volumetric seed metering by fluted rollers with built-in small seed rollers is suitable for all seed sizes and shapes. The helical grooves dose applications rates from 1.5 to 450 kg.

**PRECISE** The HELICA distribution system is accurate and reliable throughout the whole operation. It provides regular seeding rates and distribution in the row even on slopes or uneven ground and is unaffected by vibrations.

**RELIABLE** The PREMIA metering system is controlled by the seed drill's two wheels via a 6-cam selector. This ensures reliable control and a regular flow through uniform rotation for small seeds with according low application rates.

*To find out more about the HELICA fluted metering system, simply flash this code with your Smartphone.*



Rape



Wheat



Fava beans





# DISC OR SUFFOLK COULTERS: HIGH-QUALITY SEEDING RESULTS

You can choose from two versions of seeding units appropriate for different cultivation methods and economical requirements. Both adapt very well to various conditions through their high coulters pressure, their guide and press skids or wheels, the possibility to adjust their pressure during operation and their covering harrow with trailing tines.

All these features mean: high seeding efficiency and quality in numerous soil types and conditions!



## DISCS SUIT AFTER PLOUGH AND CULTIVATOR

The small angle of the disc reduces soil movement to a minimum when moving forward - very appreciable at high speed. Moreover, a cast iron seeding tip, positioned in line with the disc, consolidates the furrow and positions the seed precisely. The disc shape also facilitates penetration into the soil, thus ensuring the required seeding depth.

## SUFFOLK COULTERS: ECONOMICAL ALTERNATIVE

The shaped coulters guide the seeds into the ground with great accuracy and work especially well in hard and stony soils. The large distance of 34 cm between the rows limits the risk of clogging. The anti-clogging flap closes the coulters automatically.



### EXCLUSIVE

## ADJUST MAXIMUM SEEDING DEPTH

A big advantage for combined seeding in mixed soil: The adjustable low stop (by a rotating handle) determines the maximum seeding depth. It enables work to take place at high pressure while avoiding to seed too deep in areas where the soil is easy to penetrate.







# EASY TO ADJUST, EASY TO CHECK

All adjustment options on the PREMIA models have been designed and placed in a way that they can be carried out quickly and easily.



## EASY APPLICATION RATE ADJUSTMENT

In mixed terrain, you can easily increase the hydraulically controlled application rate modulation by 10 or 20 %, if necessary. The equipment is available as option.



## DIRECT ACCESS TO DISTRIBUTORS

The flow test is particularly comfortable. The seed bar tilts via a parallelogram, making a large area available for the collection bucket.



## EASY CHECK OF FLOW RATE

It can be checked with the machine on the ground, or even without being hitched to the tractor. Simply flip a lever for maximum access to carry out the calibration or for emptying the hopper. Afterwards, set the opening by a micrometric screw and carry out the number of turns required.



## HECTOR 3000: YOUR SEEDING ASSISTANT

The HECTOR 3000 control box monitors the main seeding functions during work. It also manages tramlining and pre-emergence marking.



# PREMIA FEATURES THAT MAKE THE DIFFERENCE



## EASY TO LOAD, EASY TO EMPTY: A WELL-DESIGNED HOPPER



To facilitate loading, the hopper has a wide opening with the cover even opening to more than 90°. That means an easy filling by bucket or big bag. The gas springs facilitate the opening of the cover even on machines which are 4 m wide. The bottom of KUHN seed drill hoppers is V-shaped. This reduces the residual quantity and ensures a uniform metering unit feed.

The standard agitator is oscillating, thus handling the seeds with care. For rye grass, which seeds do not flow easily, an extra agitator is available as option.



### MARKERS WITH VERTICAL LIFT

PREMIA hoppers can be equipped with side markers. They are always lifted vertically for reduced dimensions during manoeuvring and are equipped with a shear bolt safety for protection in case of hitting an obstacle. On the 3.50 and 4.00 m models they are also foldable to reduce its height during transport.





#### KUHN PATENT

### UNIFORM SEED IMPLANTATION

For seeding in light soil, a set of disc wheel track eradicators is available as option (only for standard wheels). They add fine soil on the packed wheel tracks. There is no risk of plant residue clogging, nor problems in stony conditions.



### EFFICIENT BORDER SEEDING

A half-width shut-off disengages the left half of the seed drill, if it is necessary to seed with half width along field borders.



### TRAMLINING VIA KLC 10 CONTROL

As alternative to the HECTOR 3000, the KLC 10 control box allows drivers to set up the wheel tracks manually for later treatments.

## Technical specifications

## Mechanical Seed Drills

|   |                  | PREMIA 250   | PREMIA 300                  | PREMIA 3000                   | PREMIA 3500                   | PREMIA 4000                     |
|---|------------------|--|-----------------------------|-------------------------------|-------------------------------|---------------------------------|
| Working width (m/ft)                              |                  | 2.50/8'2"  | 3.00/9'10"                  | 3.00/9'10"                    | 3.50/11'6"                    | 4.00/13'1"                      |
| Hopper capacity approx. (l)                       |                  | 380  | 480<br>(780 with extension) | 780<br>(1,080 with extension) | 900<br>(1,250 with extension) | 1,080<br>(1,450 with extension) |
| Filling height approx. (m/ft) without extension   |                  | 1.25/4'1"  |                             | 1.42/4'7"                     |                               |                                 |
| Agitator  |                  | oscillating  |                             |                               |                               |                                 |
| Coulter pressure and hopper level indicators      |                  | ◆  |                             | ◆ /HECTOR 3000 (hopper level) |                               |                                 |
| Linkage   |                  | cat.2  |                             |                               |                               |                                 |
| Wheels  |                  | 6.00 x 16  |                             |                               |                               | 10/75-15.3                      |
| Number of rows                                    |                  | 20   | 20 or 24                    |                               | 24 or 27                      | 28 or 32                        |
| Seed spacing (cm/in)                              |                  | 12.5/5"  | 15/6" or 12.5/5"            |                               | 14.3/6" or 12.5/5"            |                                 |
| Seed metering                                     |                  | by grooves with built in small seed groove<br>(micrometric screw adjustment)   |                             |                               |                               |                                 |
| Drive   |                  | by two wheels and selector   |                             |                               |                               |                                 |
| Seeding units                                     |                  | Suffolk or single disc coulters  |                             |                               |                               |                                 |
| Coulter pressure adjustment                       |                  | centralized by handle (hydraulic as optional equipment),<br>topsoiling reinforced behind the wheels                                |                             |                               |                               |                                 |
| Tractor wheel track eradicators*                  |                  | ◇  |                             |                               |                               |                                 |
| Side markers with safety device*                  |                  | ◇ (vertically folding)   |                             |                               |                               |                                 |
| Road lights*                                      |                  | ◇  |                             | ◆                             |                               |                                 |
| Weight approx. with<br>covering harrow at 12.5 cm | Suffolk coulters | 550/1,212  | 600/1,322                   | 680/1,499                     | 870/1,918                     | 1,080/2,381                     |
|   | Disc coulters    | 605/1,333  | 665/1,466                   | 745/1,642                     | 955/2,105                     | 1,145/2,524                     |
| Electronic equipment*                             |                  | HECTOR 3000 control box with metering unit drive monitoring;<br>area, daily and total counters; tramlining control with 2 x 2 rows |                             |                               |                               |                                 |
| Hydraulic equipment                               |                  | 1 single acting valve for the side markers*  |                             |                               |                               |                                 |

\*The basic definition of the equipment may vary according to the country of destination.

◆ standard ◇ option - not available

**Optional equipment\*:** hopper extension for PREMIA 3 and 4 m - half-width shut-off for PREMIA 300 - side markers - pre-emergence markers - application rate adjustment - hydraulic pressure adjustment of seeding units - set of two tractor track eradicators - set of seed drill wheel track eradicators - HECTOR 3000 or KLC 10 equipment - loading platform for PREMIA 100 series (required with extension or on disc machine fitted with a press wheel) - press wheel for single disc - adjustable lower stop - Suffolk coulter depth limiting skid - agitator for rye grass - control levers to shut off more than 2 x 2 rows - pivoting lower links - set of road lights - set of side signalling panels - additional hopper for seeding small seeds - automatic tramlining position sensor.



PREMIA

300 - 3000 - 4000

SH

30 - 40

# DRILL MAIN AND CATCH CROP AT THE SAME TIME!

## INCREASED POSSIBILITIES FOR PROFESSIONALS WITH FARMS OF AVERAGE SIZE

The SH 30/40 are small boxes fitted on the back of PREMIA or SITERA seed drills. Their purpose: increasing the agronomic possibilities of the farmer when seeding two types of seeds with different applications rates at the same time without having to mix them. For example, it is possible to establish spring barley as main crop and rye grass as soil surface cover. The latter is deposited at the front or rear of the covering harrow. That's the best you can do to prevent erosion after harvest, increase your soil's humus content and support the soil fauna.



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



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