

Precision seed drills

PLANTER 3



www.kuhn.com



be strong, be **KUHN**



PLANTER

M

TS

TDL

TI

TIM

R

TRS

PRECISION ON A WIDE SCALE!

More than a precision seed drill, the PLANTER 3 is the fruit of careful research which gives it exceptional modularity on all sites using precision seeding.

REGULARITY ENSURED

With the seed drop point very low, the seeds reach the ground at regular intervals and depth, no matter what crop is being sown.

A SEED DRILL TO MEET EVERY USER'S REQUIREMENTS

The new PLANTER 3 range is ideal for mixed farming as well as cereal farms and large contractors.

EXCEPTIONAL MODULARITY

The distance between rows is easily changed to seed two different crops requiring different inter-row spacing. With its many optional equipment, the PLANTER 3 will be a seed drill which meets all your conditions.

Models	Frame/transport width (m)	Frame	Number of rows	Spacing (cm)
PLANTER 3 M	2.50	single bar	3-7	25/80
PLANTER 3 M	3.00	single bar	4-9	25/80
PLANTER 3 M	3.45	single bar	4-7	45/90
PLANTER 3 M	4.40	single bar	6-12	25/80
PLANTER 3 M	5.00	single bar	9-11	37,5/60
PLANTER 3 M	6.00	single bar	8-15	37,5/80
PLANTER 3 M	9.00	single bar	12-18	45/80
PLANTER 3 TS	3.00	telescopic single	6-7	55/75
PLANTER 3 TS	3.25	telescopic single	6-7-8	50/80
PLANTER 3 TDL	5.00	telescopic double	7	60/75
PLANTER 3 TI	2.55	telescopic adjust. spacing	6	45/80
PLANTER 3 TIM	2.55	telescopic multi adjust. spacing	6-7	70/80 or 50/60
PLANTER 3 R	3.00	foldable	8-12	45/80
PLANTER 3 TRS	3.50	foldable	24	45





REGULAR GROWTH ENSURED BY PERFECT POSITIONING!

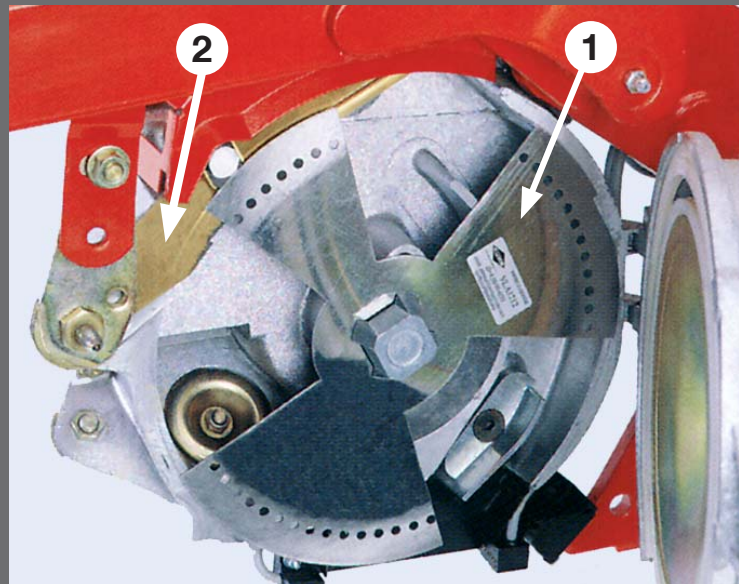
CONSTANT SPACING BETWEEN SEEDS.

The PLANTER 3 was designed for seed by seed distribution with accurate and uniform spacing along the row. The seed drill distribution is suitable for plants with inter-row spacing of more than 25 cm, such as onions, rape, peas, sunflowers, soy, maize, etc.



SEEDS RELEASED AT VERY LOW HEIGHT

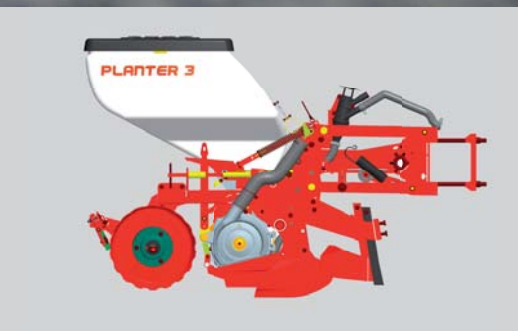
Even in opener disc versions. The PLANTER is characterized by a very low seed release height: 10 cm from the ground, for greater uniformity between seeds.



LONG-LASTING DISTRIBUTION!

All the seeding units are characterized by distribution inside an aluminium casing, for long life.

- ❶ The grip on the seed by the stainless steel distribution disc is provided by a flow of low-pressure air. The seed is sucked in by the low pressure and held against every perforation on the disc.
- ❷ The selection system includes a disc which is appropriate to every crop and a selector which cannot become misadjusted.



FOR A LIGHT-WEIGHT SEEDING UNIT: REAR GAUGE

This light solution can be used with small tractors to seed in any type of prepared soil. Working depth is controlled by the rear wheels.



FOR CONTROLLED DEPTH: SWINGING ARM

The rear roller and the front wheel follow unevenness in the ground perfectly, with two points of contact with the soil; this system provides incomparable uniformity of depth, particularly for seeding small seeds in well-prepared soil.



FOR SEEDING UNDER ANY CONDITIONS: THE OPENING DISC UNIT

For seeding precision under mixed conditions and in the presence of plant debris, seed drop height is as close as possible to the soil to provide uniform positioning between seeds and uniform depth. A real coulter for good seed positioning with seeds inserted between two discs forming a furrow, which helps hold the seed in place.

IMPLANTATION AND COVERING: CONTROL YIELDS FROM THE GERMINATION!



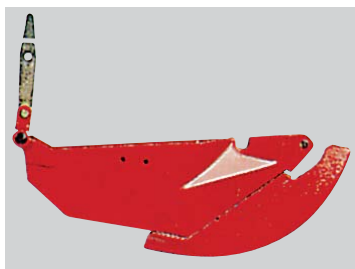
COULTERS ON ALL SEEDING UNITS

The seedbed is opened by coulters which are specially designed for the work you need. The shape of the V-blade, their length, height and profile are the result of many field tests.



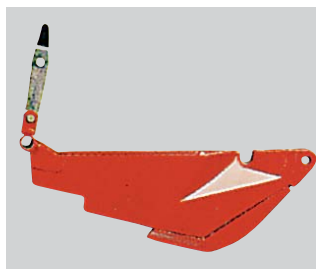
BEETROOT COULTER

To release seeds as close to the ground as possible.



LONG MAIZE COULTER

For seeding in abrasive soil.



SHORT MAIZE COULTER

For seeding in light soil.



SPECIFIC COULTER

Opening discs.



CLOD CLEARER TO CLEAR THE SEEDING LINE!

Available as an option, the clod clearer removes obstacles from the coulters' passage.



FOR FAST ROOT DEVELOPMENT: INTERMEDIATE WHEEL

For tamping the seed into the bed before closing it; the seed is tamped into fresh soil, providing it with ideal conditions for good germination. It is available in stainless steel or rubber and can be used for all crops.



REAR SCRAPER

Suitable for well-prepared soils, it provides soil for the seedbed to cover the seed.

REAR WHEELS

They are used to tamp and close the seedbed. Four types of rear wheels, mounted on bearings, are available to meet all working conditions.



Notched V-shaped or smooth wheel

on clay or stony soil, to close the furrow and tamp the seed down at the same time.



V-shaped rubber wheel

to close the furrows under all conditions.



OTIFLEX wheel with scrapers for well prepared sandy soil, the scrapers close the furrow which the wheel has tamped.

SINGLE BAR: A SEED-DRILL FOR EVERY FARMER



FOR A VARIETY OF CROPS

From 3 to 18 rows and 2.5 m to 9 m, the PLANTER 3's single-bar frame provides a wide possibility of crop establishment, with interrow spacing from 25 cm.





SINGLE TELESCOPIC: FOR REDUCED TRANSPORT WIDTH





FOR EASIER TRANSPORT

From 6 to 8 rows, this single telescopic frame can travel on road with a transport width of 3.00 m or 3.25 m depending on spacing.



TELESCOPIC

WITH ADJUSTABLE SPACING: SEEDING 45 TO 80 CM WITH ONE MACHINE!

The PLANTER 3 TI and TI M are the ONLY seed drills with spacings adjustable in just a few minutes. This allows farmers to use the same machine for several crops.

The PLANTER 3 TI is available with six rows and spacings from 45 to 80 cm, in order to meet the demand of growers of sugar beet, maize or rape. The obligation to seed six rows derives from the 6-row beet lifters.

The double telescopic PLANTER 3 TI M, for seeding maize over 6 rows or sunflower or rape over 7 rows has optional fertilization and son-board microgranulator features with a transport width of only 3.00 m.



X 6



X 6



X 6



PLANTER 3 TI



A KUHN PATENT



The significant overlap of the three beams with the robust H-profile gives the frame exclusive rigidity. At maximum opening, the two outer beams overlap the central beam along more than half of their length.



X 7



X 6



X 7

PLANTER 3 TI M



PLANTER 3 TI



PLANTER 3 TI M



SIMPLE ADJUSTMENTS

Row spacings are hydraulically adjusted from the cab. To ensure the right maximum and minimum widths, just one stop each has to be moved. It is also possible to seed with different spacings, for example to establish tramlines.

FRONT WHEELS

Two 23x10 (TI) and 26x12 (TI M) front wheels on the frame always remain between the rows.



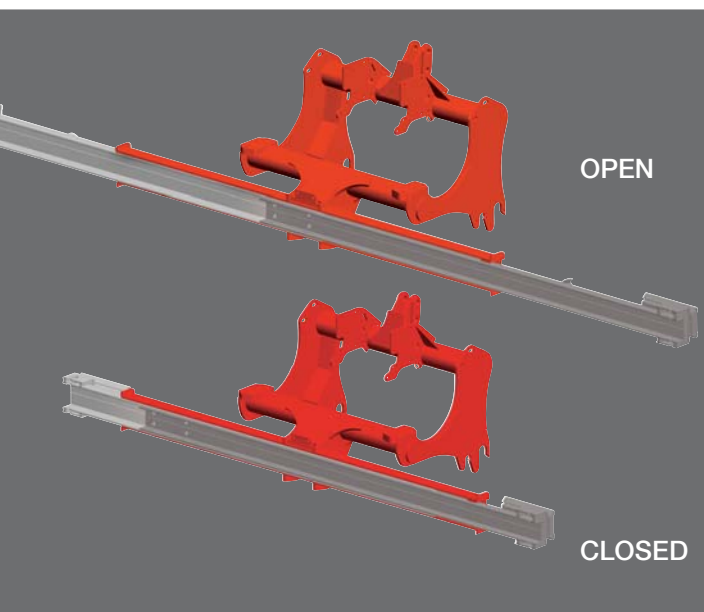
CHANGE CONFIGURATIONS IN THE BLINK OF AN EYE!

To change configuration, simply alter the position of the pins on the frame beam and raise or lower the central seeding unit. All this in less than 15 minutes!

To avoid compacting the future seeding line, the PLANTER 2 TI M seeds with the same spacing in 6 row and 7 row configuration.



PLANTER 3 TI



OPEN

CLOSED



To learn more about the quick configuration changes of **PLANTER 2 TI M**, just scan this code with your Smartphone

FOLDABLE: IDEAL FOR LARGE FARMS



PLANTER 3 R FOLDING: IDEAL FOR LARGE FARMS

The folding PLANTER 3 has a road width of 3.00 m. The frame is hinged in 3 parts, representing 3 separate seed drills, with the possibility of seeding with 1, 2 or 3 parts. It can therefore cope with any unevenness in the ground for perfect seed positioning.

Combined with a front mounted hopper, it is ideal for large farms and companies. The light, folding, compact frame can be used with 100 hp tractors.



THIS MACHINE HAS BEEN SPECIALLY DESIGNED FOR LARGE FARMS!

With 24 rows and a spacing from 45 cm to 50 cm between rows, this version of the seed drill is set for seeding beetroot. It is possible to adapt the machine in order to sow over 16 or 18 rows at a spacing of 70 cm. To adapt to small tractors available on farms, the seed drill can be pulled by a 120 hp tractor.



For easier road transport, the seed drill is folded for transport and features a width of 3.50 m.



To ensure seeding at a regular depth whatever the ground contours, the beams holding the seeding units perfectly follow ground contours owing to an attachment to the main frame using a parallelogram. The latter is locked for transport to prevent any movement.



With a drop point very low, the seeding units of the PLANTER 3 deliver seeds at regular spacing and depth whatever the seed variety.

UPGRADE YOUR PLANTER 3 TO FACILITATE THE START OF YOUR CROP!



Different sizes of fertilizer hoppers can be retrofitted on the various PLANTER 3 models. The equipment is optionally mounted on the machine frame, forming a one-part assembly. An optional loading auger for fertilizer in bulk is also available on demand.

FLUTED METERING FOR PERFECT DISTRIBUTION

Fluted metering ensures a perfectly uniform and smooth distribution throughout the field. Application rates from 50-700 kg/ha are possible. The separate units are continuously adjustable. The polyurethane groove eliminates any risk of abrasion of the fertilizer.



EASY MAINTENANCE

You can easily remove the metering unit. This facilitates a complete emptying of the hopper as well as maintenance jobs.

Four types of hoppers are available depending on the chassis:



2 X 190 l



2 X 260 l



1 X 950 l



1 X 1350 l

Different models of fertilizer applicators for different situations:



Standard applicator
for well prepared seedbeds



Applicator
with non-stop shoe



Applicator with non-stop disc
for min-tilled fields



Spring disc applicator

SEPARATE FERTILIZER HOPPERS PROVIDE EXTENDED POSSIBILITIES!

FRONT HOPPER KUHN TF 1500

MAXIMUM STORAGE AT EQUILIBRIUM

The KUHN TF 1500 can be adapted for spreading fertilizer together with a PLANTER 3 precision seed drill.

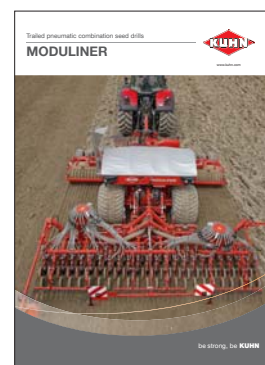


**Find out more
about the TF 1500!**

KUHN MODULINER

MAXIMUM AUTONOMY AND MINIMAL TIME LOSS

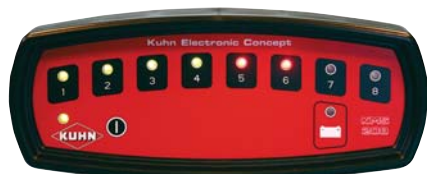
With the MODULINER hopper for fertilizer storage, you gain maximum autonomy on big acreages and save a lot of refills.



**Find out more
about KUHN
MODULINER!**

MONITOR SEEDING OPERA

PLANTER 3 seed drills are available with different versions of electronic control box. From simply controlling the passage of the seed into the seeding units to counting the population seeded per hectare, KUHN has a range of reliable, open-ended control boxes.



KMS 208 Simple and easy

PASSAGE CONTROLLER

The KMS 208 box controls seed release, row by row, for 4 to 8 row seed drills. It performs the following functions:

- Seeding status displayed by two-coloured LEDs;
- Alarm with adjustable intensity;
- End of seeding detection.



KMS 412 Controlled seeding

POPULATION CONTROLLER

The KMS 412 box measures population density, row by row, for seed drills with 4 to 12 units.

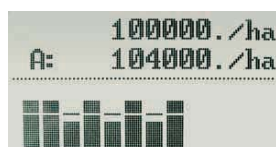


KMS 548 One control box for all functions

IT PERFORMS THE FOLLOWING FUNCTIONS:

- Displays the momentary population, row by row, and the average of the rows (in thousands of seeds per hectare or the centimetre spacing between seeds);
- The "bargraph" display: reading the functional status of all the rows is direct and fast: clear identification of rows on alert;
- Partial, seasonal and total hectare counters.

Developed in association with users, the KMS 412 operating menu is easy to understand and to use. It helps users with everything, even machine adjustment.



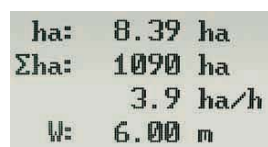
Display of theoretical and actual population/ha.:

Major differences in height, indicated by the bargraph, show, in this example, that the selectors are incorrectly set.



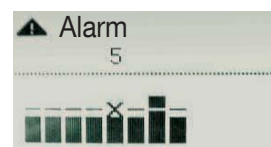
Display of spacing:

→ theoretical;
→ actual, based on counting by cells;
→ bargraph display of the population by rows.



Counters:

→ daily;
→ totalizer;
→ instant yield;
→ working width.



In seed-counting mode:

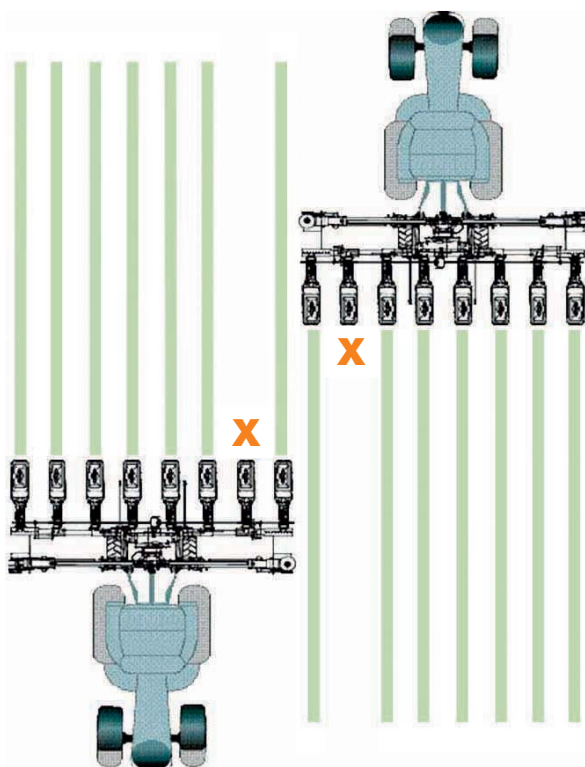
→ row 7 has no seed;
→ row 5 is disengaged seeds still being released.

TIONS FROM YOUR CAB

KMD 112 Save seeds through row shut-off!

ELECTRONIC DISENGAGEMENT BOX

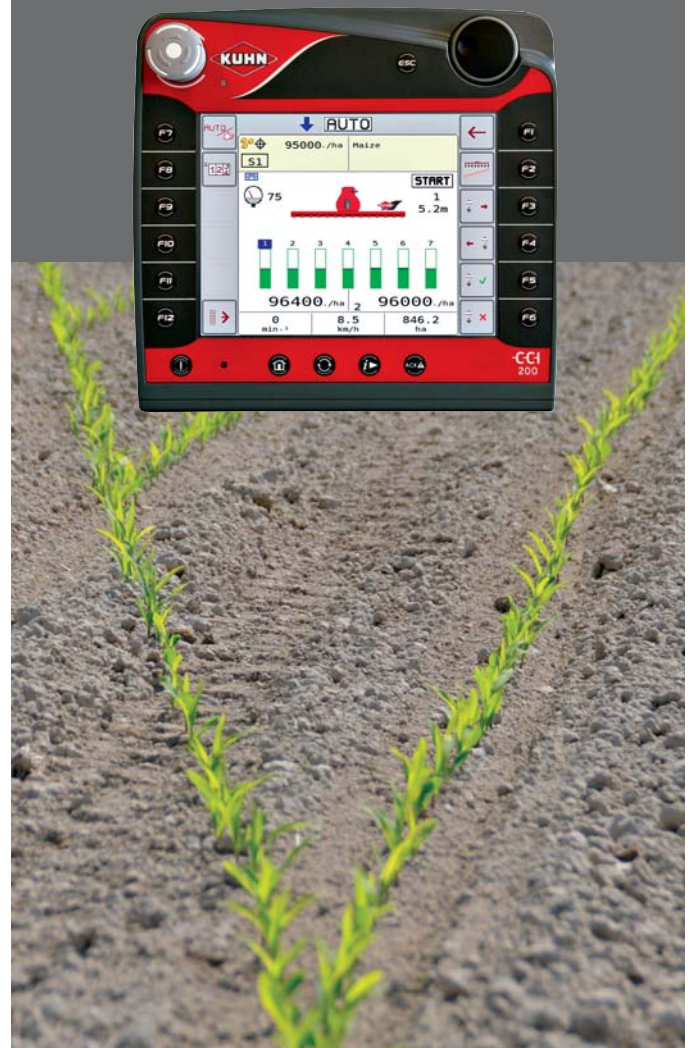
Especially interesting for field edges, the KMD 112 control box shuts off each row separately using lever-operated switches. Available for seed drills with up to twelve disengageable rows. The KMD 112 can be coupled to the KMS 208 passage controller or the KMS 412 seed controller. This coupling is used to check that the disengageable units are working properly.



THE KUHN +

ISOBUS Compatibility with AEF certification

Make savings by shutting off rows automatically per GPS. Compatible with the major terminals on the market (JD, Muller Electronique, Fendt...).



Specifications

PLANTER 3 M

* Standard and optional equipment varies according to country

- Not available

Option

◆

Frame/transport width (m)	2.50	3.00	3.45	4.40	5.00	
Number of rows	3 to 7	4 to 9	4 to 7	6 to 12	9 to 11	
ADS* Kit						
Min/Max spacing (cm)	25/80		45/90	25/80	37,5/60	
25 litre hopper						
47 litre hopper						
Number of wheels	2					
Minimum inter-row spacing depending on wheel dimensions (cm):						
5 x 15						
6.5 x 15						
26 x 12						
Possibility of placing the wheels at the front	No			Yes		
Type of linkage	Cat. 2 semi-automatic linkage					
Drive (min ⁻¹)						
Number of gearboxes	1					
Hydraulic markers						
Seeding units:						
Gauge wheel unit						
Rear swinging arm unit						
Opening disc unit						
Fertilizer hopper:						
2 x 190 l	◆					
2 x 260 l				◆		
1 x 950 l				◆		
1 x 1350 l	-	◆	-			
Fertilization by frontal hopper	◆		-	◆	-	
Fertilization by Moduliner (Solo or HR)						
Microgranulate distributor:						
In the seeding line (Insecticide type)						
In the seeding line (anti-slug type)						

FIVE RULES FOR PROPER DRILLING

1. THE RIGHT SEEDING DENSITY:

To find the desired seeding density, the distance, seeding time and soil type have to be taken into account. An efficient seed drill realizes this theoretical calculation.

2. A SUPERIOR STUBBLE MANAGEMENT:

KUHN seed drills ensure a proper clearance of the seeding row and avoid every contact between plant residues and the seeds.

3. A REGULAR SEEDING DEPTH FOR MAXIMUM RETURN:

An efficient seed drill is able to control the seeding depth accurately.

4. SEED/SOIL SURROUNDINGS AT OPTIMUM:

An optimal air exchange and water supply are vital for a quick development of the plant.

5. ACHIEVE A WELL-DEVELOPED ROOT SYSTEM WITH AN ADAPTED SOIL PREPARATION:

Small clouds on the surface and fine earth around the seed: This facilitates root growth.

Find more information about KUHN seeding solutions on

www.kuhn-seedliner.com

1 2 3 4 5



Precision seed drills **PLANTER 3**

		PLANTER 3 TS Telescopic single		PLANTER 3 TDL Telescopic large width	PLANTER 3 TI Telescopic adjust. spacing	PLANTER 3 TIM Telescopic multi adjust. spacing	PLANTER 3 R Foldable
6.00	9.00	3.00	3.25	3.30	2.55		3.00
8 to 15	12 to 18	6 and 7	6, 7 and 8	7	6	6 and 7	8 to 12
Standard							
37,5/80	45/80	55/75	50/80	60/75	45/80	70/80 or 50/60	45/80
Standard							
Optional							
4	6	2					4
45							
50							
70							
		No		Yes			No
	Cat. 3	Cat. 2 semi-automatic linkage				Cat. 2	Cat. 3
470 - 540 - 870 - 1000 (hydraulic drive optional)							
	2	1					3
Standard							



MAXIMA 2

PLANTER 3

FIND THE KUHN PRECISION SEED DRILL, WHICH IS PERFECTLY ADAPTED TO YOUR NEEDS!

Daily output in ha	70 - 75 - 80 cm		55 - 60 - 65 cm		45 - 50 cm	
						
100 ha/j	TRS - 16/18 R 					
50 ha/j	M - RXL - 9/10/12 R 				M - 18 R 	
	M - R - RX - TM - 8 R 		M - R - 9 R 		M - R - 12 R 	
	TDL - 7 R 					
	TIM - 6 / 7 R 					
			TI - 6 R 			
	M - TS - TD - TT - 6 R 		TS - 7 R 			
	M - 4 R 				M - 6 R 	

For more information about your nearest
KUHN dealer, visit our website
www.kuhn.com



Visit us on our YouTube channels.



www.kuhn.com

Your KUHN dealer

KUHN - HUARD S.A. - F - 44142 Châteaubriant Cedex
www.kuhn.com - Société Anonyme au capital de 4 800 000 EUR
N° Siret : 340636158 00016 - R.C. Nantes

KUHN NORTH AMERICA, INC.

1501 West Seventh Avenue - P.O BOX 0167 - 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

Some machines have a considerable weight. Respect the tractor gross vehicle weight rating, its lift capacity and maximum load per axle. The tractor front axle load must always reach minimum 20 % of the tractor net weight. Our material is produced in accordance with the European Machinery Directive in the member states of the European Union. In countries outside the E.U., our machinery complies with the safety regulations set by the country concerned. Some safety devices may have been removed from our leaflets in order to clarify the illustration. Under no circumstances should the machine be operated without the necessary safety devices in place (as specified by the assembly instructions and operators manual). We reserve the right to change any designs, specifications or materials listed without further notice. Machines and equipment in this document can be covered by at least one patent and/or registered design. Trademarks cited in this document may be registered in one or several countries.

Also find KUHN on

