

Pneumatic precision seed drills

MAXIMA 3



www.kuhn.com



be strong, be **KUHN**



MAXIMA 3

Pneumatic precision seed drills

BEST PRECISION UP TO 10 KM/H

Seeding stages have become essential in modern agriculture to enjoy profitable and satisfactory results on each farm.

At KUHN, we always have our customers at the heart of our priorities. That is why we have developed a new MAXIMA 3 range to offer the best seeding options.

We invite you to discover our new models that will provide the solution to this non-exhaustive list of needs:

- optimum seeding precision targeting economies of scale, regular seed placement and high yields
- a robust seeding unit for long service life and outstanding reliability
- easy and quick adjustments to facilitate operation and maintenance of the seeding unit
- higher seeding speed with optimized precision up to 10 km/h

The MAXIMA 3 philosophy, is further enhanced by technological developments and an ever-increasing usage experience. With the electric drive option, KUHN takes a step closer to performance and modernity.

The new KUHN precision seed drills at a glance :

Models	Number of rows	Min-max spacing (cm)
MAXIMA 3 M	4 - 12	37,5-80
MAXIMA 3 TS	6 - 8	70 - 80
MAXIMA 3 TD / TDL	6 / 7	70 - 80/60 - 75
MAXIMA 3 TI / TIL	6 / 8	45 - 80/37,5 - 75
MAXIMA 3 TIM / TIML	6 - 7/8 - 9	50 - 80/37,5 - 80
MAXIMA 3 TRR	8	70 - 75
MAXIMA 3 R	8 - 9	55 - 75
MAXIMA 3 RX / RXL	8 - 12/11 - 12	60 - 80
MAXIMA 3 RT	8	70 - 80

YOUR YIELDS START WITH A SEEDING SUCCESS!

FIVE RULES FOR SUCCESSFUL SEEDING

1 - CORRECT SEEDING DENSITY

To find the desired seeding density, consider the varieties, seeding period and soil type. An effective seed drill implements this theoretical calculation.



2 - GOOD MANAGEMENT OF PLANT DEBRIS

KUHN seed drills ensure a good clearance of the seeding line and avoid any debris/seed contact.



3 - CONTROLLED SEEDING DEPTH FOR MAXIMIZED YIELDS.

An effective seed drill means simple settings and controlled depth.

4 - AN OPTIMAL SEED/SOIL ENVIRONMENT

The guarantee of good air/seed exchanges and a good water supply are vital for a rapid and healthy development of the plant.



5 - IMPROVED ROOT DEVELOPMENT WITH GOOD SOIL PREPARATION

Small clods on the surface and fine soil around the seed facilitate root growth.





RESPECT AND CONSISTENCY OF THE SEEDING DEPTH FOR HOMOGENEOUS GROWTH

The greater ground pressure capacity ensures the stability of the unit (from 120 to 180 kg with the disc). The new wide parallelogram in moulded parts enhances the robustness and stability of the seeding unit. It allows greater travel while facilitating adjustment of the coulter pressure.

RESPECTED DISTANCE BETWEEN SEEDS FOR EXCELLENT LINE DISTRIBUTION

The fixed setting of the seed selector is precise, easy and simple to reproduce on all rows. The MAXIMA 3 unit has a new ejector to prevent clogging or breakage of the seeds. The air shut-off is sharper for a more accurate seed release.



OPTIMIZED SEED COMPACTION AND FURROW CLOSURE FOR BETTER GERMINATION RATES

The V-MAX roller offers a compaction point close to the seed drop point (- 9 cm compared to a V-HD roller) and a greater ground pressure (+ 15 kg compared to V-HD). In addition, the articulation points have been advanced for greater robustness.

MAXIMA 3 : THE TOP BENEFITS OF THE SEED DRILL UNIT

THE TOP FIVE BENEFITS OF THE SEEDING UNIT

1. INCREASED PRECISION

Excellent seed placement and controlled seeding depth.

2. IMPROVED RELIABILITY AND DURABILITY

A robust and low maintenance seed drill unit.

3. SIMPLE AND INTUITIVE SETTINGS

Optimized, intuitive and repeatable settings: pressure, depth, rollers, selector, etc.

4. GREATER SEEDING SPEED

The best precision up to 10 km/h.

5. EQUIPMENT SUITABLE FOR EVERY NEED

Find the option that fits your needs.



THE NEW MAXIMA 3 SEED DRILL UNIT ALSO HAS TWO MAJOR EVOLUTIONS:



- **PRESSION CONSTANT SOIL PRESSURE, SIMPLE AND EASY TO ADJUST (TOOL-FREE):**
4 setting positions: 0, +20, +40, + 60 kg pressure In total, 180 kg pressure on the disc.
Less unit position variation thanks to the single spring, which allows better seed placement.



- **DISTRIBUTION:**
Optimized selection thanks to the inner wall.
New ejector for better guidance of the seeds. Distribution door modified for clean air shut-off and precise seed release.
Standard discs with more holes for optimal seed selection: corn (33 holes), sunflower (22 holes) and beet (31 holes).



OPTIMAL SEEDING PRECISION UP TO 10 KM/H

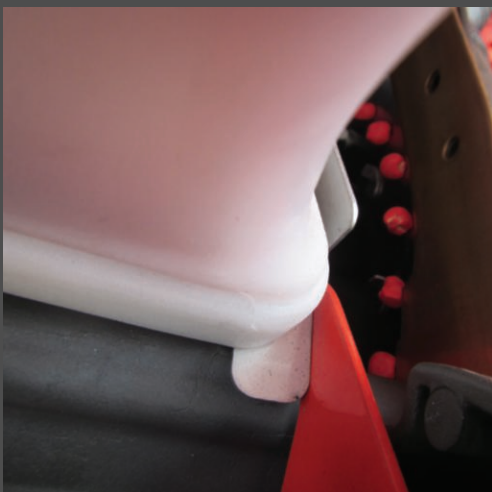
By improving seed selection and ejection, the MAXIMA 3 improves its precision up to 10 km/h. The seed drill unit offers exceptional stability and ensures a very regular seeding depth thanks to its powerful furrowing system (180 kg max.). In addition, the seed drop point is where the gauge wheels touch the soil for perfect seed placement.

A ROBUST AND RELIABLE SEED DRILL UNIT

The new parallelogram in moulded parts clearly reinforces the robustness of the seed drill unit. The fertiliser applicator as well as the entire plate of the unit have also been modified for greater longevity. The MAXIMA 3 also has fewer wear parts and a greater travel.

QUICK AND EASY SETTINGS

The MAXIMA 3 range has easy and intuitive settings. To facilitate the use and maintenance of the seed drill unit, adjustments are done without tools for more comfort and speed. The ground pressure, debris guard installation and gauge wheel adjustment are some examples of these simple settings.



MAXIMA 3 *e* : ELECTRIC DRIVE

DISCOVER *e*-PRECISION

The new MAXIMA 3 unit with electric drive offers many advantages:

- **Adjustment of the seedling population from the cabin.**
- **Modulation of seeding application rate**
- **Row shut-off by GPS or manually**

Row shut-off by GPS is operated by shutting down the motor on each row, in a very reactive manner and without seed loss. This ensures significant seed savings for the user

By eliminating the wheel slip caused by the soil conditions, the electric drive ensures a perfect respect of the seed application rate. Maintenance of the machine is also reduced in the short term with less lubrication in season, and in the long term with fewer wear parts.



Usage of the seed drill is simplified:

- No need to use the electric power of the tractor since each machine has its own alternator.
- A 48V system ensures smooth and continuous rotation for high precision even during:
 - Vertical accelerations
 - Acceleration and deceleration on headlands
 - Dusty environments
 - The most extreme seedling populations up to 600 000 ft/ha (depending on travel speed and seed type)

DRIVE YOUR SEED DRILL WITH EASE WITH ISOBUS SOLUTIONS

- GPS automatic row shut-off to prevent overlaps in the points
- Improved yields
- Reduction in seed costs

The new ISOBUS CCI 1200 terminal brings increased performance, better visibility and greater flexibility. Its large touch screen allows the simultaneous display and viewing of several essential pieces of information for the driver. This new terminal offers a market rarity since two different interfaces can be viewed on the same screen.



EQUIPMENT THAT CAN BE ADAPTED TO DIFFERENT CROPPING TECHNIQUES

Front equipment



Clod clearer



Trash remover

Intermediary equipment



Intermediary wheel



Closing discs



Closing scrapers

Rear equipment



V-MAX roller



V-HD roller



OTIFLEX roller

CHOOSE THE MODEL THAT SUITS YOU

MAXIMA 3 M

A seed drill for every farmer

- The machine is available in widths from 2.50 up to 6.00 m. The H-beam is fitted to all models. This compact seed drills, with its reduced overhang, is available with up to 12 rows in the beetroot version.
- The H-beam facilitates the movement of seeding units, when you need to change the configuration. There is just one nut to be loosened per unit! It is composed of high yield strength steel.



MAXIMA 3 TS

Reduced transport width

- The MAXIMA 3 TS telescopic single has road dimensions of 3.30 to 3.50 m according to the spacing.
- Available with front or rear wheels, it can work in stony conditions without disrupting smooth operations.
- A wide range of fertiliser options, microgranulators and hoppers can equip the MAXIMA 3 TS to meet the needs of each user.





MAXIMA 3 TD / TDL

The winner on small roads

- With its 3.00 m for transport, the MAXIMA 3 telescopic double complies with the European legislation on road transport. Narrow roads are no longer an obstacle for accessing the fields.
- Available in front wheels for stony soil or in rear wheels for low soil type sand, the MAXIMA 3 TD has optional equipment for fertilisation and the microgranulator.
- The TDL wide double chassis can seed 7 rows of 60 to 75 cm apart with a tractor with wide tracks from 1.90 to 2.10 m. The 7th row makes it possible to have 3 rows between the wheels of the tractor and thus avoid rolling over the future seeding line.



MAXIMA 3 TI - TI L / TIM - TIM L

A single machine for seeding several crops

- The MAXIMA 3 TI and TIM are the only seed drills with spacing that can be adjusted within minutes.
- The MAXIMA 3 TI telescopic with adjustable spacing and its wide version TI L are available in six and eight rows with spacings ranging from 45 to 80 cm for TI and from 37.5 to 75 cm for TI L, to meet the demand of beet, maize, soya and rapeseed producers.
- The MAXIMA 3 TIM telescopic multiple adjustable spacing and the wide model TIM L offers the possibility of seeding corn in 6 (TIM) or 8 (TIM L) rows, and sunflower and rapeseed in 7 (TIM) and 9 (TIM L) rows.



CHOOSE THE MODEL THAT SUITS YOU

MAXIMA 3 TRR

Trailed corn seed drill, compact and stable

- The MAXIMA 3 TRR is intended for the implantation of crops seeded 70 and 75 cm apart.
- This trailed version offers the possibility of seeding 8 rows with a tractor of 100 hp average power while taking on board 1500 l of fertiliser.
- Its trailed function, equipped with the patented "KUHNS Stabidrive" solution, ensures exceptional stability in road transport, in U-turns and helps keep the seed drill in line when seeding on slopes.



MAXIMA 3 R / RX / RXL

The ideal solution for productivity in all conditions

- The MAXIMA 3 RX, foldable is available in 8, 9 and 12 rows with a working width of 6.00 m. It can be folded up to just 3.00 m for transport. The MAXIMA 3 RXL, foldable large width, allows it to work up to 9.00 m wide. The MAXIMA 3 R, foldable is available in 8 and 9 rows and can work on a soil prepared with a tractor of lower power.
- The load-bearing wheels on the front of the chassis on the MAXIMA 3 RX make it easier to move stones between the seeding units and provide better soil adaptation even on slopes. The chassis in three independent parts offers excellent ground following even in difficult conditions.
- Large working width but small transport width: the chassis is designed with double telescopic beams for a width of 3.00 m or single beams.





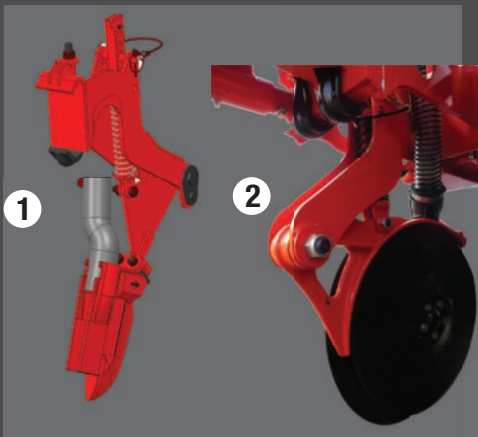
MAXIMA 3 RT

High autonomy

- The 1350-litre hopper ensures the MAXIMA 3 RT telescopic foldable a high autonomy and increased ease of filling.
- The microgranulator is centralized to retain only one point of adjustment and filling.
- The gearbox in the centre of the machine offers a single point of adjustment and a homogeneous distribution between all units (in mechanical version). In addition, the hybrid and foldable chassis allows a road transport width limited to 3 m.



MAXIMA 3 - FERTILISER/MICROGRANULATOR



There are 3 types of hoppers available with the MAXIMA 3 precision seed drills:

- Fertilisation with 2 hoppers of 260 l
- Fertilisation with 1 hopper of 950 l
- Fertilisation with 1 hopper of 1350 l

So you can fertilize between 30 to 330 kg per hectare (at 75 cm distance and depending on the travel speed) thanks to a fluted metering unit that also ensures uniform, accurate and continuous distribution across the width of the machine.






Linked to these hoppers, there are also different models of fertiliser applicators for all situations. They are positioned 5 cm from the seeding line to feed the plant as it grows and to avoid burning the roots of the germ: the applicator with non-stop Suffolk coulter **1** and the applicator with non-stop offset disc **2**.





A centralized microgranulator is available on your MAXIMA 3 seed drill allowing you precise, regular metering without risk of clogging the pipes. Two types of incorporation are therefore possible:

- In the furrow (insecticide or fertiliser starter)
- On the seeding line (anti-slug)



DISCOVER THE DETAILS OF OUR NEW MAXIMA RANGE 3

Technical Specifications	MAXIMA 3						
	Models	M 	TS 	TD 	TDL	TI 	TI L 
Number of rows	4 to 12	6/7/8	6	7	6	8	8
Transport width (m)	2,50 to 6	3,30 to 3,55	3,00	3,30	2,55	3,00	3,00
Distance (cm)	37.5 to 80	50 to 80	70 to 80	60 to 75	45 to 80	37,5 to 75	70 to 75
Fertiliser applicator	Applicator with offset double discs or with Suffolk coulters						
Seed drill unit	MAXIMA 3						
Soil preparation type	Conventional conditions or shallow work						
Ground pressure capacity	4 adjustment positions: from 120 to 180 kg with opening discs						
Hopper capacity (L)	50 l						
Types of seeds	Corn, sunflower, beets, rapeseed, sorghum, soybeans, beans, etc.						
Front options available	Trash remover and clod clearer with tool-free adjustment						
Rear options available	Intermediary wheels, furrow closing disc, "V-MAX" roller						

Technical Specifications	MAXIMA 3					
	Models	TIM 	TIM L 	R	RX 	RXL 
Number of rows	6/7	8/9	8/9	8 to 12	11/12	8
Transport width (m)	3,00	3,30	3,00	3,00	3,00 to 3,50	3,00
Distance (cm)	50 to 80	37,5 to 80	55 to 80	50 to 80	60 to 75	70 to 80
Fertiliser applicator	Applicator with offset double discs or with Suffolk coulters					
Seed drill unit	MAXIMA 3					
Soil preparation type	Conventional conditions or shallow work					
Ground pressure capacity	4 adjustment positions: from 120 to 180 kg with opening discs					
Hopper capacity (L)	50 l					
Types of seeds	Corn, sunflower, beets, rapeseed, sorghum, soybeans, beans, etc.					
Front options available	Trash remover and clod clearer with tool-free adjustment					
Rear options available	Intermediary wheels, furrow closing disc, "V-MAX" roller					

 matches the models available with the electric drive

APPLICATIONS DEDICATED TO ALL YOUR NEEDS

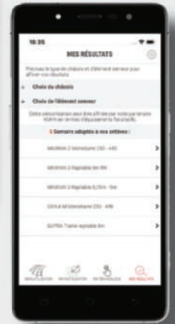


KUHN CLICK & SEED

Decide on your next precision seed drill

KUHN is launching a useful and effective application that will help you choose your next precision seed drill.

Depending on various criteria, you will find the seed drill suited to all your needs.

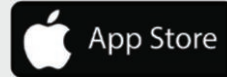


KUHN PRECISEED

Precision seeding with Preciseed

Assistance with MAXIMA and PLANTER precision seed drill settings. This application will guide you through the process of adjusting seeding density, depth, fertilisation and localized crop protection according to the seed type.

DOWNLOAD THE PRECISEED AND
CLICK & SEED APPS ON
APPLE STORE OR GOOGLE PLAY



KUHN SERVICES

ADVANTAGES FOR OPTIMUM EQUIPMENT USE AND PROFITABILITY

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 our 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.



MAXIMA 3

Pneumatic precision seed drills

DISCOVER YOUR FUTURE KUHN MACHINE!

If you want to rediscover the rest of our range of precision seed drills, do not hesitate to contact your dealer. KUHN has different PLANTER 3 models, which can meet your needs for precision seeding.

Our stubble cultivation and ploughing ranges are in this same line of quality, performance and comfort of use. You will be able to download on our website the brochures and product information that interest you.

Do not hesitate to inquire about KUHN stubble cultivation and ploughing products



MASTER



LEADER



PROLANDER



OPTIMER+, L ET XL



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



Visit us on our YouTube channels.



Your KUHN dealer

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