

Seed drills for catch crops

# SH 201 - 402 - 600 SEEDING KIT FOR SEED CART



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be strong, be **KUHN**



# VERSATILE FOR HIGH STANDARDS IN SEEDING

- You would like to plough the stubble and drill your catch crops in one pass.
- You would like to have a good soil structure and boost biological activity.
- You would like more autonomy and operating comfort when drilling catch crops.
- You would like to drill with precision for high seeding standards.

**Choose a KUHN SH or kit for seed cart** to ensure that your catch crops are drilled with precision and to a high quality standard, in optimal germination conditions, with autonomy and operating comfort.

It is also a lower-cost choice with the seed drill being combined to the stubble plough to get two jobs done in one pass.

## The KUHN SH and KIT FOR SEED CART in brief:

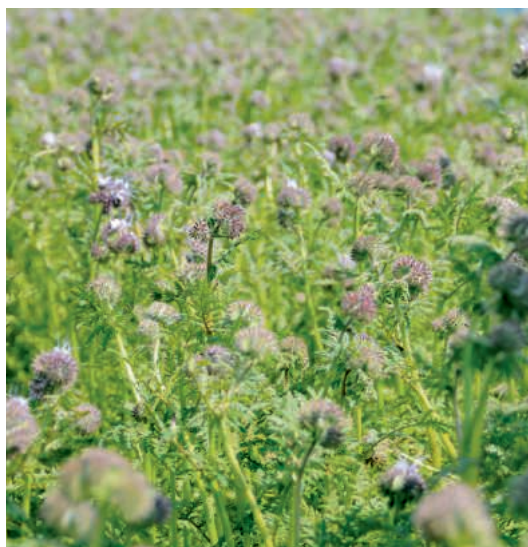
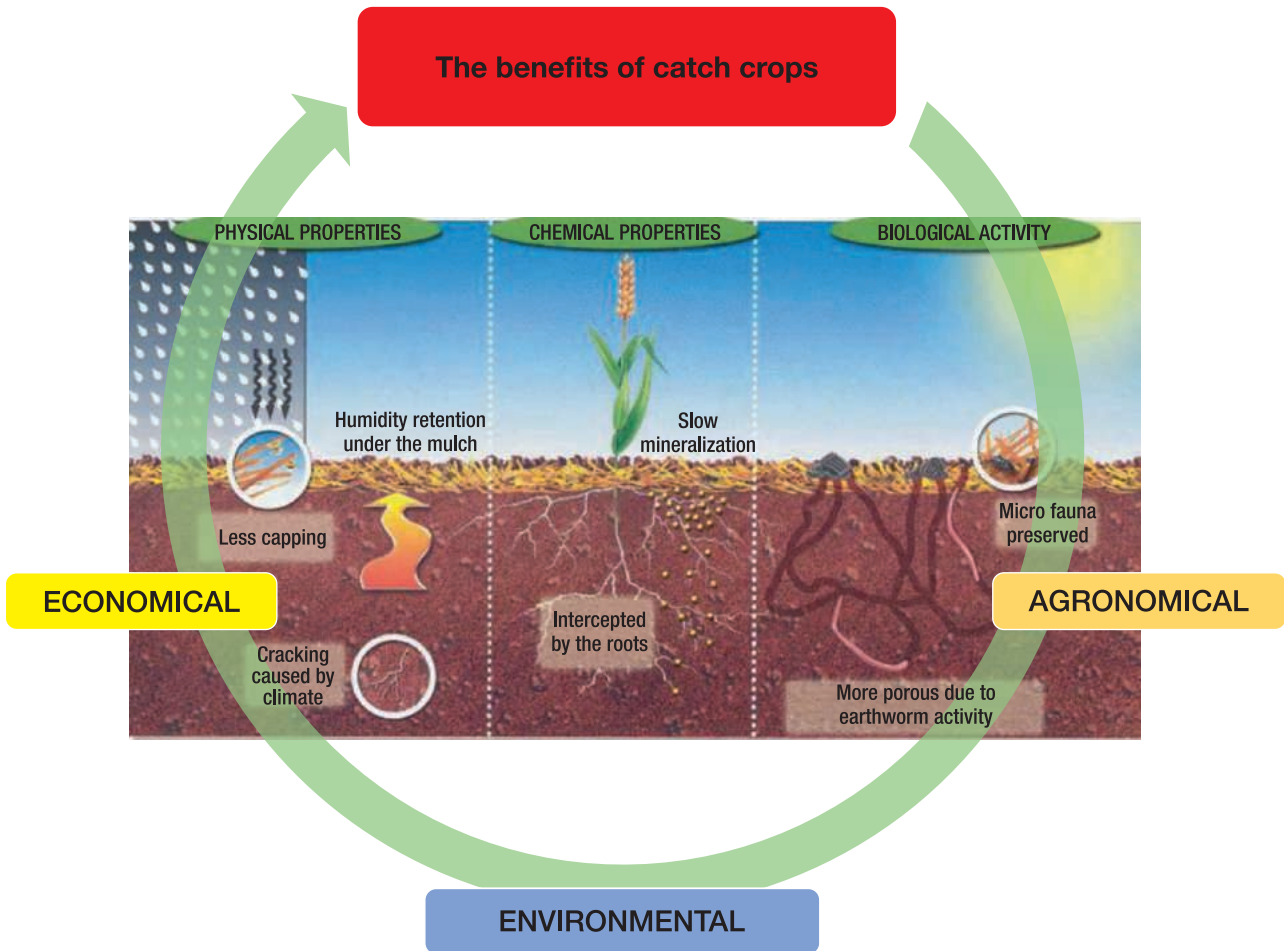
Models	Hopper capacity
SH 201	200
SH 402	380
SH 600	600
TF 1500	1500 (2000 with extensions)



# ONE SINGLE PASS FOR STUBBLE PLOUGHING AND SEEDING

The SH is a seed drill for small seeds designed to work in combination with KUHN's range of stubble ploughs; OPTIMER+, DISCOVER XM2, DISCOLANDER, CULTIMER, PROLANDER and PERFORMER.

It is intended to drill catch crops such as: mustard, phacelia, clover, ryegrass and cereal crops... during stubble ploughing.





## AGRONOMICAL BENEFITS

- Improved soil structure and porosity:
  - Increased biological activity in the soil (earthworms, micro fauna, ...)
  - Stable soil structure
  - Improved soil permeability
- Fewer weeds
- Pest management (weeds, insect invasion)
- More organic matter in the soil.



## ENVIRONMENTAL BENEFITS

- Less risk of nitrate runoff
- Soil surface protected against the negative effects of heavy rains:
  - Less erosion
  - Less capping
  - Less streaming
- Nitrogen produced for the following crop.



## ECONOMICAL BENEFITS

Stubble ploughing and seeding in one pass

### SAVINGS:

Money = -30% expenses / hectare\*

Time = -50% time spent / hectare\*

\* Compared to stubble ploughing + seeding and tamping



# MAJOR BENEFITS

## OPERATING COMFORT: PRECISE AND EASY SETTINGS



The metering unit is driven by an electric motor: very few moving parts for a high standard of reliability.

Seeding is managed from an in-cab terminal. Everything is under control! Two possibilities exist according to the standard of catch-crop seeding required:

### S11 TERMINAL:

With no groundspeed related application rate control, constant working speed is necessary to obtain the required application rate.

It manages:

- Application rate adjustment
- Metering unit start-stop
- Electric blower start-stop.

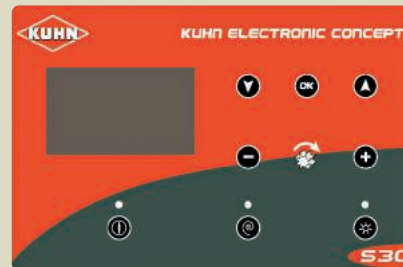


### S30 TERMINAL:

With groundspeed related application rate control, the application rate is constant whatever your working speed.

In addition to the S11 functions, it has:

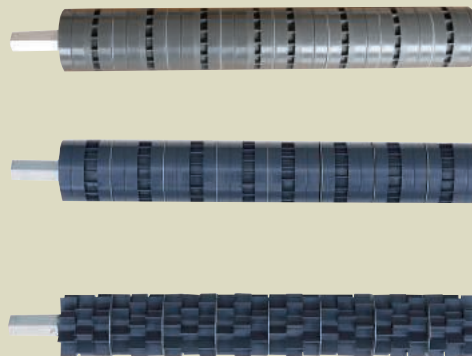
- Automatic calibration
- A surface area counter.



## HIGHER PRECISION: SEEDING REGULARITY AND FAST, UNIFORM EMERGENCE

### 3 METERING ROLLERS COME AS STANDARD

The rollers are interchangeable, no tools required, to suit the seed type (small, medium and large seeds).



### SEED OUTLETS (A TOTAL OF 8)

Discharge plates positioned between the tilling units and the roller ensure uniform seed spread across the whole working width. Then the roller presses down for good soil / seed contact, boosting germination.



## MORE CHOICE TO ADAPT TO YOUR EQUIPMENT

### WITH THE S30 DPA TERMINAL (SH 201 E, SH 402 E AND SH 402 H)

Speed information is transmitted to the terminal via a tractor radar connection cable - 7-pin connector or by the stubble plough's radar.



# TURBINES ADAPTED TO SEED TYPE

A blower sends the seeds through the tubes:

With an electrically driven double turbine (SH 201, SH 402 E) for small seeds (mustard, phacelia ryegrass, rape...), (up to 30 kg/ha for a width of 6 m at 10 km/h or 45 kg/ha over 4 m at 10 km/h).

With a hydraulic drive system on the SH 402 H for cereal based catch crops (triticale, rye, oats...), (up to 120 kg/ha for a width of 6 m at 10 km/h or 180 kg/ha over 4 m at 10 km/h).



## THE SEED IS DELIVERED IN THE FRESHLY CRUMBLED SOIL BEFORE BEING PRESSED DOWN BY THE ROLLER

Good seedbed tamping enhances soil/seed contact for better germination and emergence.



## SAFE ACCESS IN COMPLIANCE WITH MACHINE DIRECTIVES

An adaptation support, platform and access ladder for safe hopper filling are available as an option.

# OPTIMISE YOUR PRODUCTIVITY

The SH 600 seed drill for catch crops allows you to drill during stubble ploughing. Its high capacity system ensures remarkable work output and low planting costs. It is adapted to all seed types with the VENTA distribution system that ensures great quality seeding.



## SH 600 HOPPER CAPACITY

- 600 L hopper capacity
- Big Bag compatible
- Working width from 3 to 9 m



## SH 600 SEEDING PRECISION

Discharge plates positioned in front of the roller provide:

- Uniform seed spread across the whole working width
- Optimal soil/seed contact
- 16/20/24 discharge plates according to width

## 1. INCREASED AUTONOMY



## QUICK AND EASY SETTINGS FROM YOUR CAB

With the QUANTRON S-2 terminal you can:

- Adjust seeding electronically;
- Change the application rate manually or electronically by GPS;
- Monitor seed level, blower power and metering unit rate.

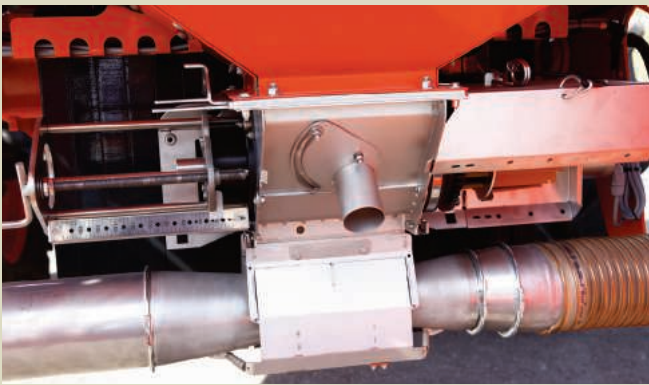




# SEEDING KIT FOR 1500-2000 FRONT HOPPER: BOOST YOUR PERFORMANCE

The TF 1500-2000 is a high capacity hopper that adapts to both seeding and fertilisation; a winning combination with all KUHN OPTIMER models.

## 2. ROCK SOLID QUALITY AND PRECISION



### METERING PRECISION

VENTA metering system:

- High capacity volumetric metering unit from 1 to 430 kg/ha for any type of seed and fertiliser, no disassembly or tools required
- Central components in stainless steel



### TF 1500-2000 TIME SAVINGS

- Capacity up to 2000 L



### TF 1500-2000 SEEDING PRECISION

Diffusers positioned in front of the roller to provide:

- Uniform seed spread across the whole working width
- Optimal soil/seed contact
- 12.5 cm spacing (15 cm for OPTIMER +7503)





## Specifications

		SH 201	SH 402-E	SH 402-H	SH 600	TF
Hopper	Hopper capacity	200	380		600	1500 (2000 with extensions)
	Hopper material	Polyethylene	Steel		Polyethylene	Steel
Distribution	Metering unit	1 small seed / 1 medium seed / 1 large seed			Venta multi-seed unit	
	Metering unit drive	Electric				
	Type of distribution	No DPA (constant working speed necessary)			DPA (groundspeed related application rate control)	
		With DPA (independent of working speed)				
Application rate	Up to 30 kg/ha for 6 m width at 10 km/h			1 to 430 kg/ha	1 to 400 kg/ha	
Blower	Blower drive	Electric		Hydraulic		
Seeding	Seeding mode	By discharge plate				By diffuser
	Number of outlets	8			16 / 20 / 24	12,5 / 15
Seeding management	By control box	S11 without DPA			Quantron S2 terminal	
		S30 with DPA				
Available with:		Optimer +, Discover XM2, Discolander, Cultimer L, Performer			Performer, Cultimer L 1000, Discolander	Optimer+

\* KUHN SERVICES:

# MAXIMIZE THE USE AND PRODUCTIVITY OF YOUR KUHN EQUIPMENT

\*Certain services and equipment are not available in all countries.

## 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!

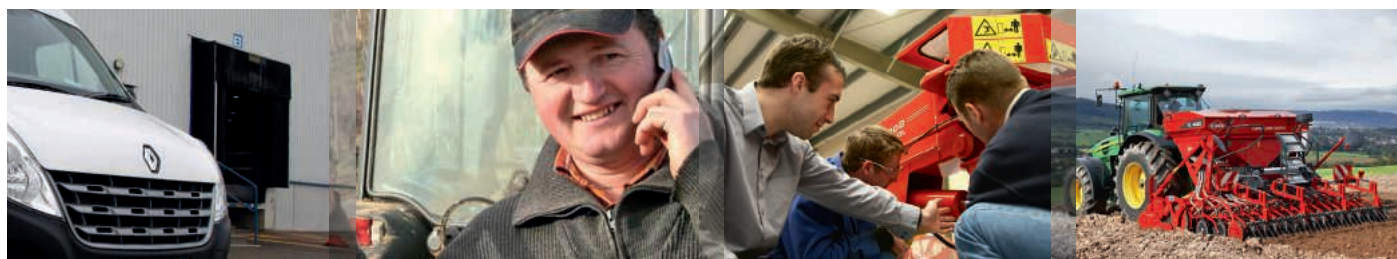
An unexpected technical problem always occurs at the wrong time.

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.



# VERSATILE FOR HIGH STANDARDS IN SEEDING

Farmers have different challenges but the same objectives: reducing planting costs, increasing work output and optimising return. The SH 201-402-600s and the TF kit meet these objectives by ensuring operating comfort, increased autonomy, high work output, high quality seeding and the preservation of your soil.

## Discover KUHN's range of soil preparation tools



OPTIMER+



PROLANDER



DISCOLANDER



CULTIMER L



PERFORMER



STRIGER

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