

Strip Till tools

STRIGER



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be strong, be **KUHN**



STRIGER

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THE NEW REFERENCE IN THE ROW

1. THE FIELD'S YIELD POTENTIAL IS MAINTAINED WITH THE STRIGER, AND THE LIFE IN THE SOIL IS PRESERVED BY LIMITING EROSION AND REDUCING THE TILLED SURFACE AREA BY 80%.

This new tilling tool prepares the seeding line only, for planting crops in rows: maize, beetroot, sunflower and rape.

2. WITH THE STRIGER, CAPITALIZE ON THE ADVANTAGES

Working only the seeding row gives your crop every chance of success, as with conventional tilling. The inter-row benefits from the advantages of direct drilling: water preservation, less weed propagation, improved soil life and reduced machine impact.

3. DIFFERENT CONCEPTS DEPENDING ON SOIL TYPE

The STRIGER does the work in one or two passages. Once the soil is dry, you can seed using a conventional precision seed drill like the MAXIMA 2 or the PLANTER 3, simply follow the strips left by the STRIGER.

STRIGER, the STRIPTILL concept revisited by KUHN.

Models	Frame	Number of rows	Spacing (cm)
M	rigid	4	70-75-80
M	rigid	6	45-50
R	foldable	6	70-75-80
R	foldable	7	55-60
R	foldable	8	45-50 70-75-80
R	foldable	9	55-60
R	foldable	11	55
R	foldable	12	45-50



1) Striger 3m - 4 rows - 75cm spacing - passage in 1.2m of crop cover - 28.10.11 for autumn preparation

2) Beetroot, 15 June 2012, after phacelia

3) Rape spaced at 75cm, 35 seeds/m² - Germany - 12 May

4) Maize after phacelia cover and injection of liquid manure by the Striger - Germany

5 TOOLS

TO GIVE EACH SEED ITS CHANCE OF SUCCESS

The STRIGER is composed of an opening disc which prepares the way for the tine, it is followed by a star-shaped trash remover, a tine, two deflector discs and finally a tamping wheel.

For improved ground contour adaptation and easier passage in stony conditions, all units have independent Non-Stop safety. The tine is also equipped with NSH safety with adjustable pressure.



TO GERMINATE, THE SEED MUST HAVE WATER AND AIR IN

1 - 2. TO AVOID SEED/DEBRIS CONTACT AND REDUCE PATHOGEN PRESSURE

The plantlet will develop rapidly if it doesn't encounter in depth or surface obstruction.



The disc opens the way for the tine and cuts plant residues.



The wavy disc provides improved soil expansion before the tine's passage. It is recommended for use following a fasciate-rooted crop (ray-grass).

Star-shaped trash removers clear the seeding line of all plant debris. They are depth-adjustable by wormscrew. Aggressiveness can also be modified to suit the quantity of plant debris.



They can also be retracted for spring work

3. TO IMPROVE IN DEPTH ROOT GROWTH

The soil is tilled by a fine tine, adjustable from 0 to 30cm, no tools required, and mounted on a Hydraulic Non-Stop safety device. The plant is supplied with fertilizer in depth, avoiding run-off and evaporation. The tine works independently from the disc deflectors to prevent soil from being sprayed between rows.





COMPACT FOR TRANSPORT



All STRIGERs comply with the 3 m road width for transport

A HEATED ENVIRONMENT

4. FOR RAPID GERMINATION

At 10 km/h fine soil is produced by expansion, using wavy discs, this makes the soil airy and warms the seeding line faster



To limit weed emergence
Discs maintain the soil on the worked strip. With the STRIGER, the inter-row is unaffected.



The more aggressive notched discs
are also available for use following a fasciated-crop (meadow).

FERTILIZATION KIT



An incorporator provides fertilizer at a constant depth in order to fertilize:

- In depth
- On the surface with a starter fertilizer

5. FOR SPRINGTIME WORK

The press wheels tamp the seedbed and prevent cavities from forming in the future seeding row. Their pressure is adjustable and they can be lifted for pre-winter passage.



For small seed drilling like **Rape or Beetroot**, the wide rubber coated wheel tamps the tilled surface firmly to prevent water evaporation.



The 3 m Striger, with 4 or 6 rows, has 2 hoppers with a capacity of 260 l for spot fertilization

CONSERVATION AGRICULTURE

THE COURSE SET BY THE STRIGER

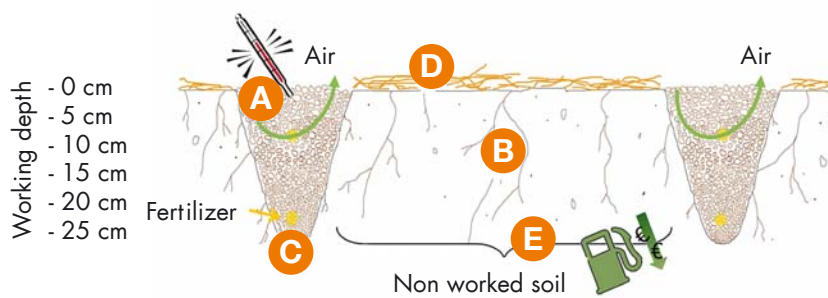
Rape: work at 15-20 cm just after harvest for good taproot development.

Maize, sunflower, soy, beetroot: strip tilling can be done before winter or in spring before seeding.

The choice will depend on the type of soil: clay, loamy or sandy, and winter freezing conditions.

Till, leave to dry, then seed.

The assets of strip tilling



- A** Heats the seeding strip for a fast start to plant growth.
- B** Retains humidity and rain infiltration channels between rows.
- C** Softens without creating a deep pan.
- D** Organic material is retained on the surface, reducing self-propagation between rows and erosion.
- E** Saves time and fuel.

Different tilling concepts for spring crops

Soil	Harvest	Autumn	Winter	Spring	
				Preparation	Seed
Heavy : more than 40% clay		STRIGER	Effect of winter conditions		MAXIMA 2 - PLANTER 3
Normal, between 20% and 40% clay				STRIGER	
Light : less than 20% clay				STRIGER	

“A well timed intervention means unworried emergence”

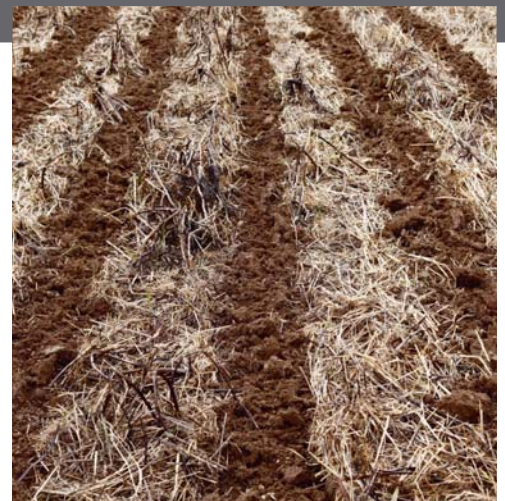
Technical specifications

STRIGER

Model	STRIGER M				STRIGER R				
Number of rows	4	6	6	7	8	8	9	11	12
Transport width (m/ft)	3								
Spacing (cm)	70 - 75 - 80	45 - 50	70 - 75 - 80	55 - 60	45 - 50	70 - 75 - 80	55 - 60	55	45 - 50
Frame (m)	3		4,4					6	
Linkage	Category 3								
Wheel	6,00 x 16								
Number of wheels	2				4				
Hydraulic adaptation	1 DA (NSH Safety)		1 DA (NSH Safety/ 1 DA (Folding + float position) / 1 SA (Locking)						
Lighting	Standard								
Marker	Option (requires 1 DA)								
Mineral fertilization	Option 2 x 260 l mechanical		With TF or Moduliner (Column + cyclone + distributor head)						
	TF our Moduliner (Column + cyclone + distributor head)								
Organic fertilization (Manure)	Distribution head support + Delivery tube								

Distribution head not provided by KUHN.

USE THE STRIGER TO MAKE YOUR FRONT HOPPER OR MODULINER EQUIPMENT MORE PROFITABLE



STRIGER

THEY ARE ALSO CONVINCED!

Farmers have different problems but common objectives: reduction in the cost of crop establishment without compromising potential yield. STRIGER modules have been designed and tested with this in mind, jointly with farmers from different backgrounds.



Y. DELAGE, Large arable fields, Charente-Maritime (FR)

«Before, when ploughing, I did 5 passages to prepare my fields for spring crops. Now, 2 passages with the **STRIGER** are enough. I save time and money.»

50% clay soil, many stones, rock coming through the soil



J. SCHULZE-WEXT, Manager of a large farm in Sachsen-Anhalt (DE)

«To enrich my sandy soil with organic material and maintain water in my soil; these are my objectives to ensure the durability of my cropping system. With the **STRIGER**, I can also achieve a high-yield harvest»

Sandy soil in the Elbe plain, annual rainfall 450 mm



D. CORDEL, Mixed farming-stock raising, Lorraine (FR)

Tine tilling provides soft soil for my rape, favourable for stem growth without drying out the ground. Accurate seeding also means saving money by reducing seeding density to 20 plants/m², so that I can invest in hybrid seeds with the best potential.»

50% Clay soil, stony, rocky outcrops



P. OBERLI, Major Crops, Alsace (FR)

Originally designed for maize, I have seeded rape two years in a row after tilling with the **STRIGER**. With the rise of humidity owing to tilling at depth, I have had superb germination results. All my crops except wheat are now sown using the **STRIGER**. I am more than convinced!

Sandy, silty soils



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