

VIBROMULCH®



AGRISEM Spirit

AGRISEM was founded in France in the mid-1990s and specialized in the **design, manufacture and sale of TCS implements** for tillage, fertilisation and seeding. Our main objectif is to **help farmer for getting the best** of his most important tool : the soil. The main AGRISEM innovations are focused around main aims :

- **the shallow tillage** for managing organic material, fertility of soil and seedbed preparation we have designed a range of machine with that spirit : this is the **Mulch range**.
- **the deep loosening** for getting the best structure of soil, without mineral losses, in order to give to the plant the good condition for growth : this is the **Plow range**.
- **precision seeding** to plant crops in the best possible conditions and to fertilise as efficient as possible byusing versatile implements: this is the **SEM range**.
- more recently, AGRISEM has continued his **development with new solutions** for vineyard and conservation farming.

A team at your service

AGRISEM service means being close to you !

Every day, we work to help you better **you, anticipate your needs and simplify your work** with machines **more and more innovative**. From design to marketing, our teams continually strive to **develop tailor-made tools** for our customers.

Mutual trust and common values, that's how we see our collaboration.

Listening, advice and availability, the AGRISEM service means benefiting at all times from the expertise of a dense network of competent technicians.

The farming of Tomorrow...

Let nature do the job !

AGRISEM is a team of passionate people concerned to **a more responsible and environmentally friendly agriculture**.

Our vocation is to **improve your daily** life by developing ever **more efficient and economical machines**.

Nature is our best ally to **think, create, feed and succeed**. Together, let's look to the future and anticipate the challenges to be met in order **to build the world of tomorrow**.





A versatile tool

The Vibromulch is a stubble-breaker cultivator specializing in surface soil cultivation, whose technical characteristics give it **great versatility** for many works from 5 to 15cm deep.

- > Scalping and / or false / sowing by **the mechanical destruction of weeds**
- > The second stubble breaking with **the distribution and management of crop residues**.
- > Opening for aeration and heating of the soil for **the preparation of spring crops**.
- > Leveling and refinement for the preparation of **a seedbed with optimal conditions for seed germination**.
- > **Sowing in TCS of CIPAN or crops** with specific equipment.

The stubble breaking fast and effective

Vibromulch, allows the realization of a **quality false seeding**, can be one of the way to **reducing inputs** in **weed management**.

Reducing mechanization costs and profitability the main advantages:

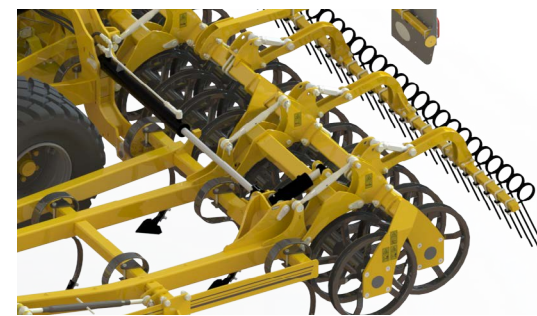
- Efficient stubble cultivation, at high forward speeds (up to 12Km / h) which allows high work rates.
- A limited need for power and fuel, which make it an economical machine.
- The simplicity of concept which limits maintenance to the replacement of wearing parts.
- The lower investment than most stubble cultivators.
- An additional role of sowing when combined with a hopper.

Equipment for unparalleled levelling

Numerous additional equipment can complement the Vibromulch levelling work:

The **harrow kit comb** after the roller, equipped with Ø13x635 tines, allows the final result to be modified by finishing the **distribution of trash on the ground**.

It also allows you to finish **removing weed roots** to encourage their destruction and avoid any risk of **transplanting**. It is available on machines from 4 to 8 m.



The hydraulically adjustable front **Cross-Board** kit, available on the Vibromulch, **levels the soil** before the tines and **pushes the clods** in for more efficient ploughing and **seed bed preparation**.



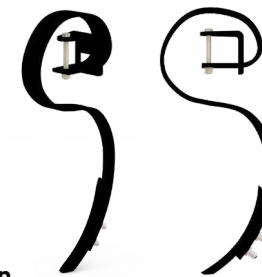
Management of large quantities of residues



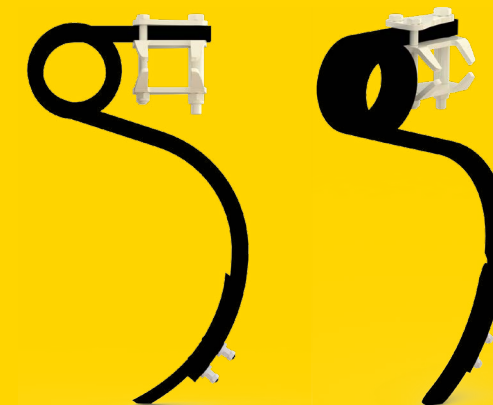
To push the limits and **improve the quality of mulching**, it is possible to equip the machine with a row of hydraulically adjustable front coulter discs that will **cut the longest residues**.

Vibrating tines 70x12, the recognised versatile solution

- > Flexible vibrating tine suitable for intensive surface tillage
- > Curved profile to ensure significant mixing of residues
- > **Vibrating effect** to amplify the crumbling
- > Ensures excellent leveling
- > Suitable for **second stubble cultivation** and **seed bed preparation**



Exclusive AGRISEM tines with 3D safety



- > Safety tines AGRISEM 3D with shock spring 30x30 mm
- > Exclusive profile ensuring maximum travel for difficult conditions and in the presence of stones
- > Percussion / vibration effect created by the «pigtail» spring which improves the **power of penetration in hard ground** and crumbling
- > Curved shape for intensive mixing of residues
- > Efficient frame clamping system
- > Suitable for **first stubble cultivation** and **resumption of plowing**



Depending on the type of work required, the Vibromulch can be equipped with reversible straight shares, which **allow deep cultivation even in hard soil**, and **intensive crumbling** while maintaining a low power requirement.

For shallow stubble breaking, seed bed preparation in healthy conditions and destruction of regrowth, a 180 mm sweep shares ensures full width work with a cross-over of the shares. They provide **intensive mixing of residue** even at shallow depths for a **quality false seeding**.

For greater versatility, the positioning of the tines has been designed so that it is possible to equip the machine with straight shares on the first rows to **ensure cracking in hard soil**, and with sweep shares on the last rows to **increase the scalping width**.

VIBROMULCH® mounted folded 4/5/6 m



The Vibromulch 4.00 - 5.00 and 6.00 m folding mounted range, designed for tractors from 120 to 240 hp, is based on a 4-row tine frame mounted on 80x80 mm section beams **offering 60 cm clearance under the frame.**

The rows are 55 cm apart and the space between each tine is 67 cm on the beam.



The structure is ensured by a **robust frame** whose rigidity at work is reinforced by the kinematics of the 2 folding cylinders which are held on the outside of the frame.

The machine is equipped with a **hydraulic unlocking** for transport.



As an option, the Vibromulch can be equipped with two front stabilising wheels which **ensure accurate working depths** even at high speeds and in difficult conditions.

VIBROMULCH® trailed 6/8/9 m

Depth adjustment is hydraulic and can be **infinitely adjusted from the driver's seat** by operating the roller and the standard control wheels.

A wide range of rollers is available, including a specific U-Sem Ø580 double roller whose profiled rings are coordinated with the tine assembly of the last row.



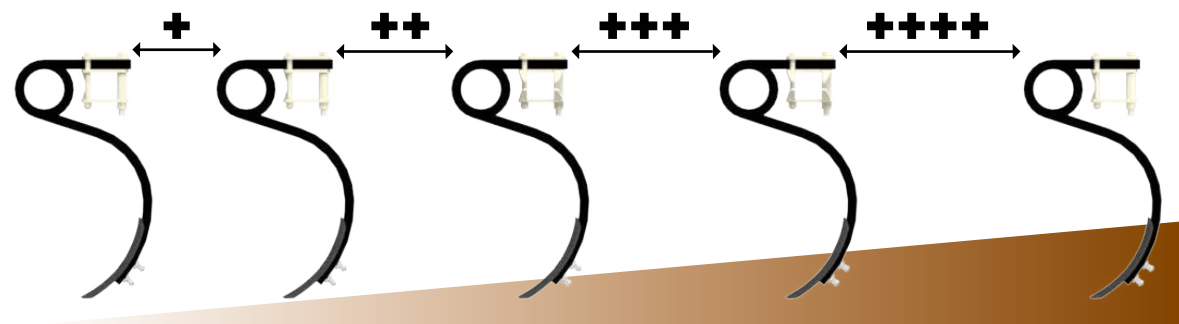
Headland manoeuvres are carried out by turning on the axle between the 4th and 5th row of tines, which allows for a **compact size and great manoeuvrability**.

In addition to the classic 480/45-17 wheel assembly, the Vibromulch can be equipped with 500/50R17 radial wheels for applications requiring high transfers.



The Vibromulch 6,00 and 8,00 m folding trailed range is designed for tractors from 180 to 320 hp.

It is equipped with 5 rows of tines mounted on 80x80 mm section beams offering a clearance of 60 cm under the frame. The spacing of the rows is progressive and allows a **better clearance** on the last rows where the flow of soil and mixed residues is the most important.



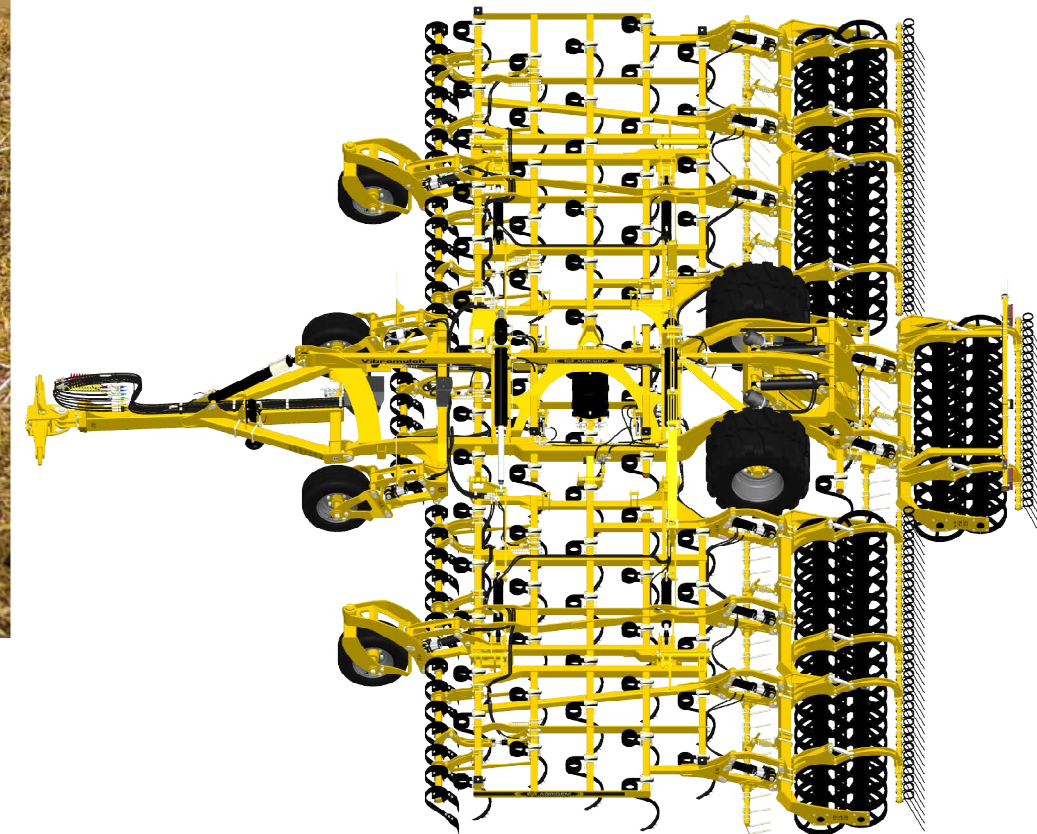
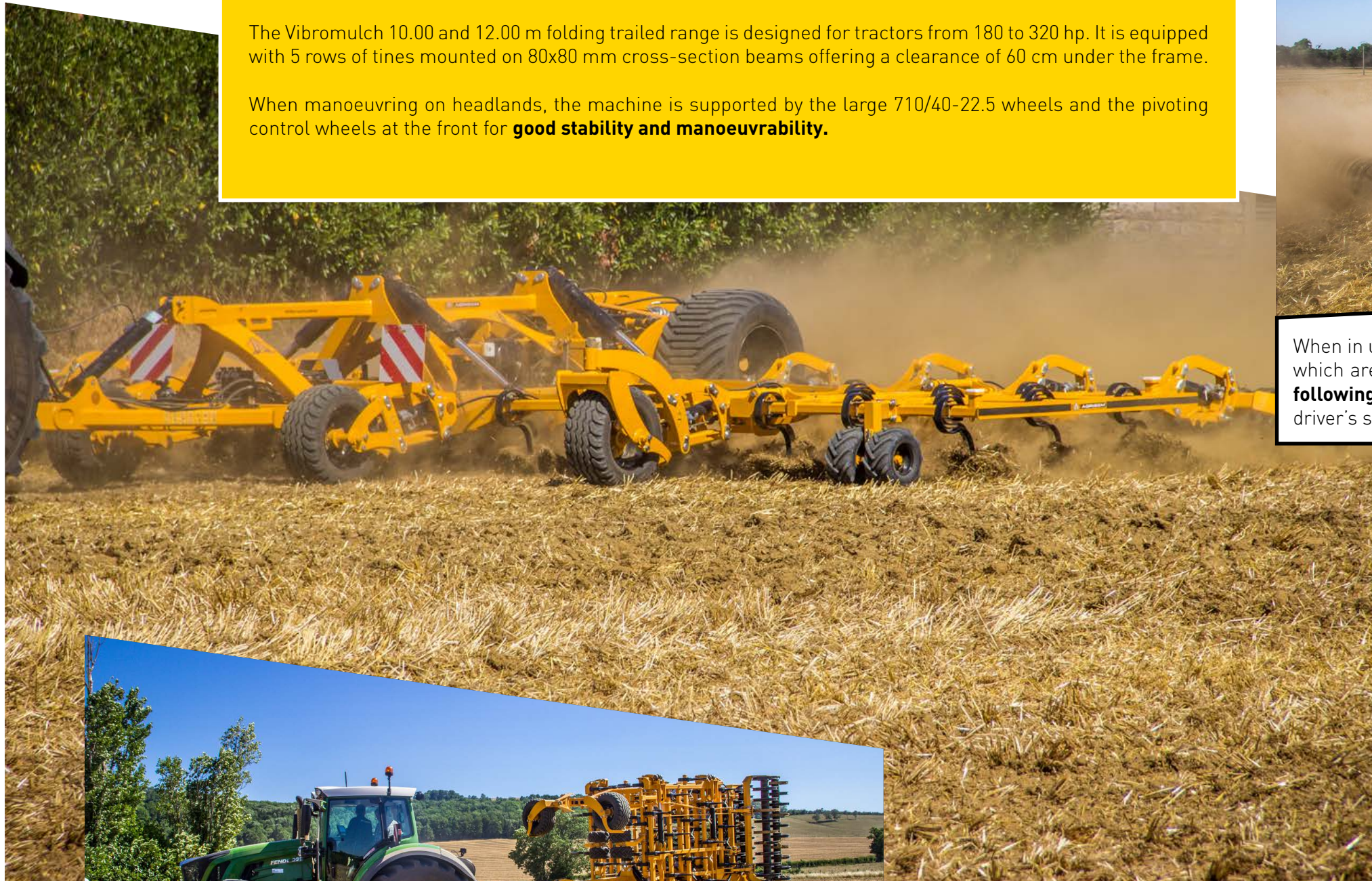
VIBROMULCH® trailed 10/12 m

The Vibromulch 10.00 and 12.00 m folding trailed range is designed for tractors from 180 to 320 hp. It is equipped with 5 rows of tines mounted on 80x80 mm cross-section beams offering a clearance of 60 cm under the frame.

When manoeuvring on headlands, the machine is supported by the large 710/40-22.5 wheels and the pivoting control wheels at the front for **good stability and manoeuvrability**.



When in use, the machine is controlled by the roller and the support wheels at the front, which are placed on the central frame and on the extensions to **ensure better ground following**. The working depth can be adjusted hydraulically and continuously from the driver's seat.



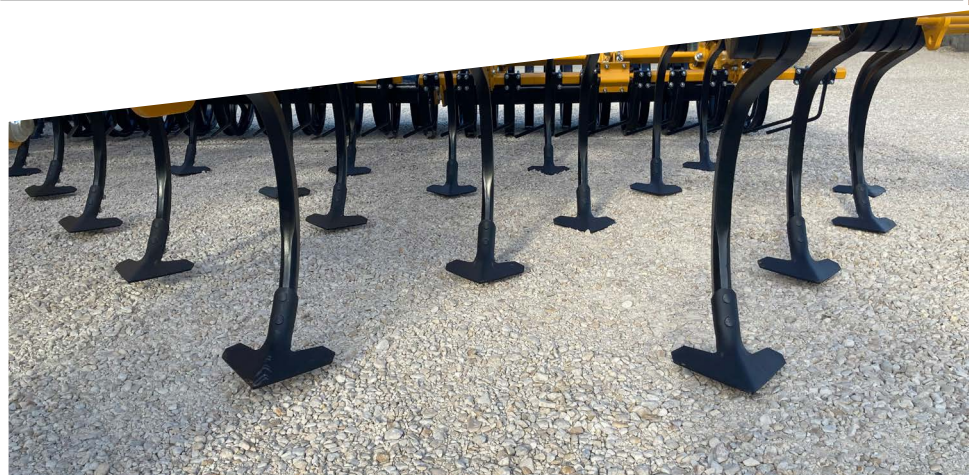
In transport, the Vibromulch remains compact with a size of less than 3 m in width and 4 m in height.



The scalper of choice for Weeds management

As an alternative to chemical inputs, shallow scalping is an effective solution for **weed control**.
AGRISEM has therefore developed the BIOMULCH, specific to this role.

Equipped with 3D security tines and wide crow's feet shares, it **ensures effective work over the entire width**, even at shallow depths.



Important clearance

The BIOMULCH 4 ; 5 et 6m foldable mounted is equipped with 4 rows of tines mounted on beams of 80x80mm section offering a clearance of 60cm under the frame.

The pitch of the tines is 16.7 cm and the row spacing is 550 mm, which allows **easy passage in the presence of crop residues**.

Levelled work without replanting

The 3 rows harrow of Ø13mm with big clearance allow **the soil to be levelled** without the risk of stuffing or weed subbing .

When a roller is sometimes limited in wet conditions, the 3 rows harrow kit allows you to work **without the risk of blockages**.

For **precise scalping** on the first soil horizons (from 3cm), stabilising wheels are distributed throughout the machine.





The efficient and profitable TCS tine seed drill

In addition to being able to be equipped with a ramp with folding scale to be associated with a seed drill for seeding cover crops, AGRISEM has developed the Vibroseme seed drill, which has all the characteristics of the Vibromulch and Biomulch models, but **is specialised for TCS seeding**.

- High work rate and limited power requirements
- Quality seeding even in dry or stony soil
- Large clearance for passage through residues
- 3D security tine ideal for direct seeding in combination with fine-tip coulters
- Ideal partner for the DSF and DSA double metering hoppers, allowing the application of localised fertiliser during seeding




Specifications

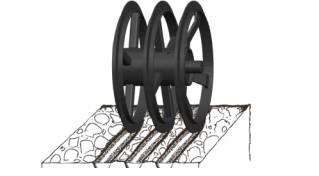
SPECIFICATIONS	Vibromulch mounted 4/5/6 m			Vibromulch trailed 6/8/9 m			Vibromulch	trailed 10/12 m	Biomulch mounted 4/5/6 m			Biomulch traîné 6/8/9 m			Vibrosem 4/5/6 m		
Working width (≈ m)	4,00	5,00	6,00	6,00	8,00	9,00	10,00	12,00	4,00	5,00	6,00	6,00	8,00	9,00	4,00	5,00	6,00
Transport width (≈ m)	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00
Weigh with standard configuration (≈ kg)	2 200	2 500	2 800	4 900	5 500	5 800	10 160	10 700	2 310	2 640	2 980	4 900	5 400	5 600	1 840	2 160	2 475
Power req. min-max (hp)	120 - 160	150 - 200	180 - 240	180 - 240	240 - 320	270 - 360	300 - 400	360 - 480	120 - 160	150 - 200	180 -240	180 - 240	240 - 320	270 - 360	120 - 160	140 -200	160 - 230
Number of tines	24	30	36	36	48	54	60	72	24	30	36	36	48	54	24	30	36
Transport height (≈ m)				2,80	3,80	4,20	3,93	3,93				2,80	3,80	4,20			

Rollers

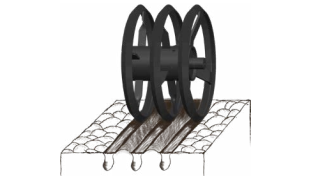
Cage Ø450



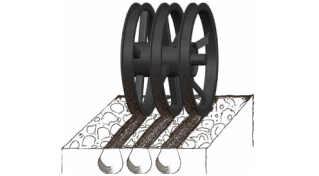
T-Sem Ø620




V-Sem Ø600




U-Sem Ø580



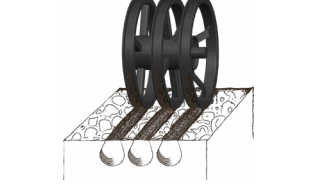
Cage roller Ø526 + Finisher Ø460



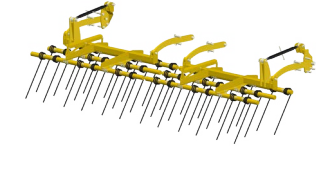
Flexi-Roll Ø600



Double U-Sem Ø600 (trailed model only)




Harrow with 3 rows




Accessories

Vibromulch


Tine 70x12 mm




Tine 3D 30x30 mm



Right share




Sweep share 180/200 ou 230 mm




Vibrosem


Right share



Narrow share 18 mm




Narrow share 12 mm + SD descent



Biomulch

3D tine + sweet share





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