

VIBROMULCH® - VIBROSEM® - BIOMULCH®



Agrisem Spirit

AGRISEM is a company born in France in the mid-90s, specializing in **the design, manufacture and sale of TCS tools for tillage, fertilization and sowing.**

Moreover, the STRIPCAT striptill and BOSS direct seed drills, developed in South-West of France by a farmer to meet his economic, agronomic and ecological needs, are now marketed by AGRISEM.

To maintain this spirit of customer-developed solutions, the company has set up a dedicated support team, ensuring that products evolve to meet the challenges of the sector.

Our main goal is to help the farmer get the most out of his most important tool: the soil.



The main innovations of AGRISEM revolve around the main objectives:

- **Surface work** to manage organic matter, soil fertility and seedbed preparation, we have designed a range of machines with this in mind: it's the MULCH range.
- **Deeper loosening** to obtain the best soil structure, without mineral loss, in order to give the plant the right growing conditions: it's the PLOW range.
- **Precision sowing** to plant crops in the best conditions, fertilize as accurately as possible using versatile tools: it's the SEM range.
- **Minimum tillage and conservation farming**, in the search for more sustainable solutions that respect resources : it's the range Conservation Farming.
- the adaptation of AGRISEM's agricultural expertise in tillage and seeding to viticulture: it's the vine range.

A team at your service

The AGRISEM service means being close to you!

Every day, we work to **better support you, anticipate your needs and simplify your work** thanks to ever more innovative machines.

From design to marketing, our teams continually strive to **develop tailor-made tools** for its customers.

Mutual trust and common values, this is how we see our collaboration.

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



The Agriculture of Tomorrow ...

Let nature have the power to do the job!

Composed of a team of enthusiasts, AGRISEM is committed to more responsible agriculture that respects the environment.

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

Nature is our best ally for thinking, creating, nourishing and succeeding.

Together, let us look to the future and anticipate the challenges to be taken up in order **to build the world of Tomorrow**.

VIBROMULCH®



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

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 to 230 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**.

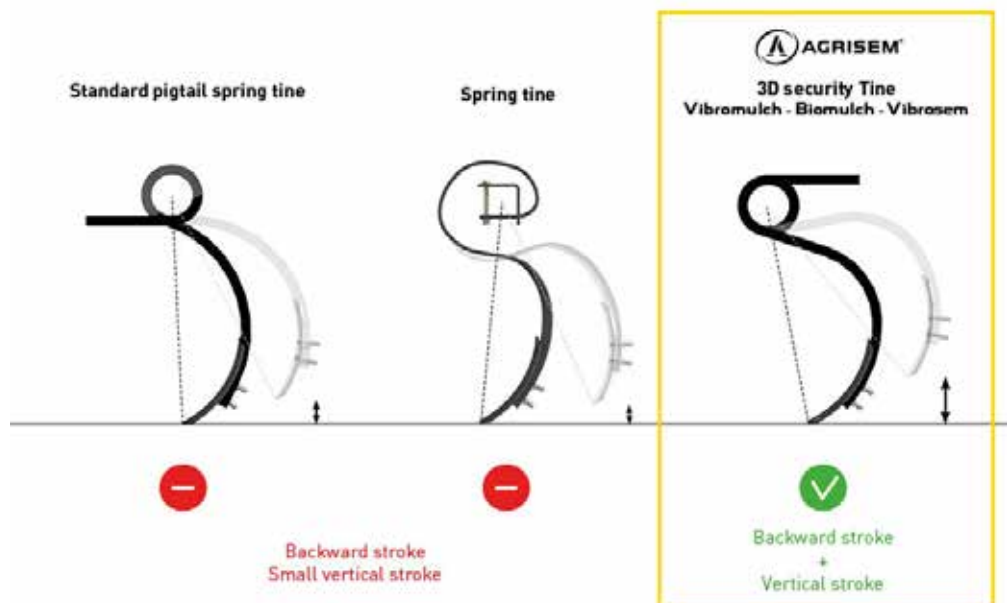
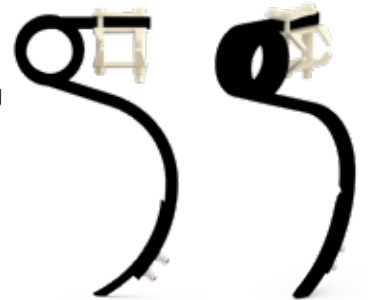


To push the limits and **improve the quality of mulching**, it is possible to equip the machine with a row of hydraulically adjustable front coulters discs that with **cut the longest residues**.



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**



- Better ground following
- Even scalping angle
- Penetrating torque with percussion spring
- Higher reliability and strength



To ensure an efficient scalping even in hard wearing soil, it is also possible to equip with **225 mm carbide sweep shares** :

- Near to 6 cm of crossing to ensure scalping
- Sharpened carbide faceplates with constant penetrating power
- Reduced fuel consumption vs classic carbide protection

VIBROMULCH®

Mounted folded 4/5/6/7 m



The Vibromulch 4.00 - 5.00 - 6.00 and 7.00 m folding mounted range, designed for tractors from 120 to 280 hp, is based on a 4-row tine frame mounted on 80x80 mm section beams **offering 60 cm clearance under the frame.**

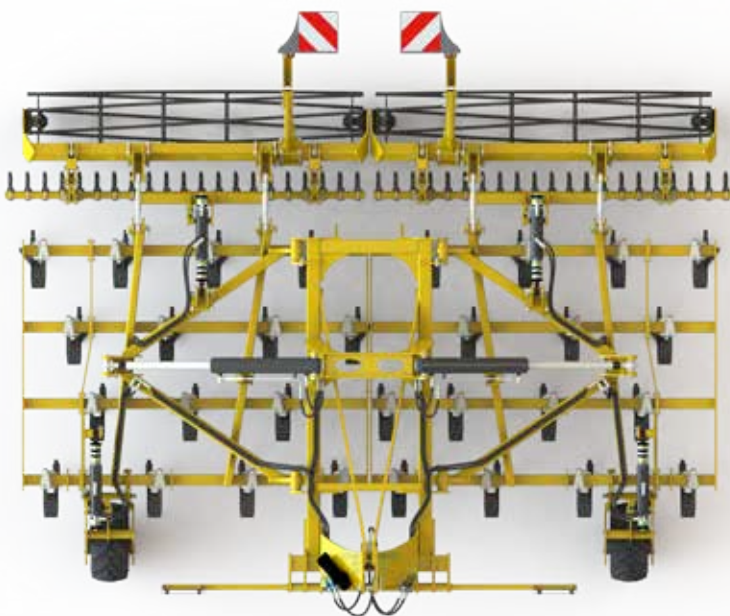
The rows are 55 cm apart and the space between each tine is 67 cm on the beam.





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 depth setting is hydraulic, and it is possible to parameter 2 targets by a going through rod cylinder
It is easy to adjust precisely the depth according to soil conditions, weeds and moisture.



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.

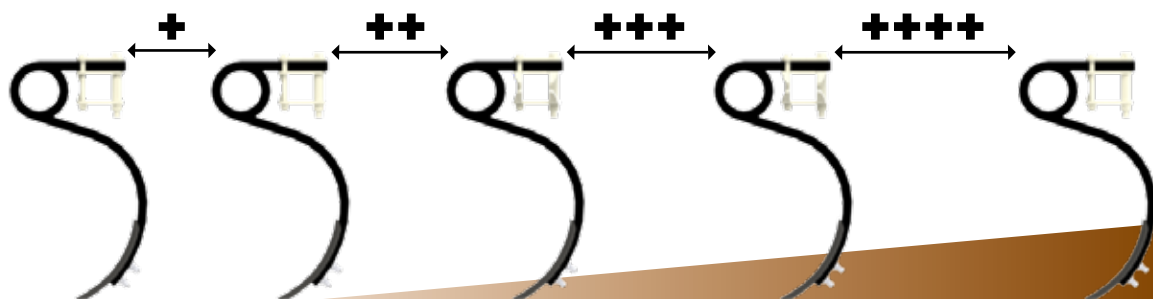
VIBROMULCH®

Trailed 6/8/9 m



The Vibromulch 6,00 - 8,00 and 9,00 m folding trailed range is designed for tractors from 180 to 360 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.





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.



BIOMULCH®

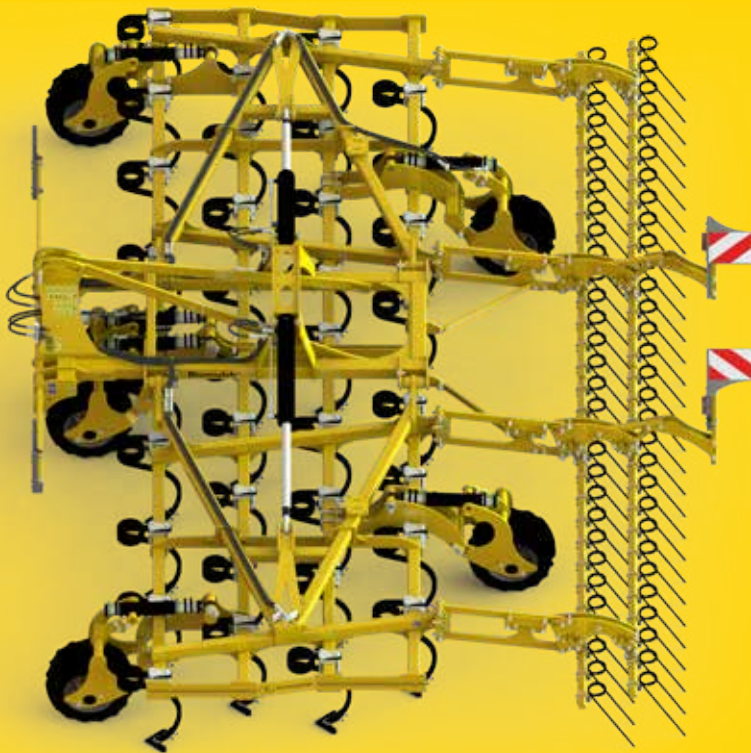


THE SCALPER OF CHOICE FOR WEEDS MANAGEMENT

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.





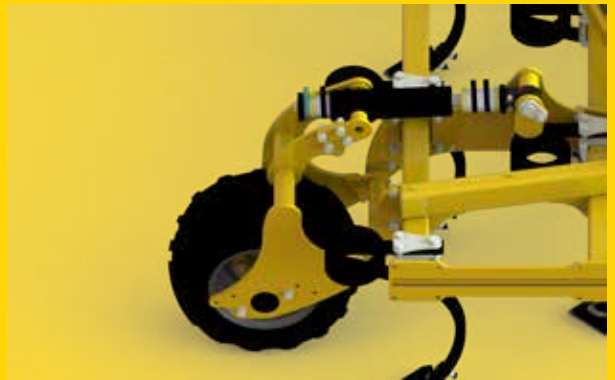
Important clearance

The BIOMULCH 4,00 ; 5,00 ; 6,00 and 7,00 m foldable mounted is equipped with 4 rows of tines mounted on beams of 80x80 mm section offering a clearance of 60 cm 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.**

The depth is controlled hydraulically by 2 to 6 wheels, and it is possible to parameter 2 targets by a going through rod cylinder, like :

- Grass scalping at 5 cm
- Perennial scalping in small areas at 10 cm



Levelled work without replanting

The 3 rows harrow of $\varnothing 13\text{mm}$ 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.**





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



- Percussing and vibrating effect = **fine clay inside the furrow**
- Vertical stroke of the tine = ground following
- 60 cm under frame clearance
- Layout on 4 rows (mounted machines) or 5 rows (trailed machines)
- Wide range of shares with narrow tip, reversible or sweep



VIBROSEM SD®



SIMPLE AND EFFICIENT NO-TILL



Equipped with a narrow tip and a specific seed tube designed for No-Till, the properties of clearance and capacity of Vibroseme SD allows to ensure a **high-quality seeding** with an **excellent seed emergence** even in difficult conditions.



- Narrow « low-disturbance » share designed for narrow furrow with a precise seed drop thanks to the long heel
- Carbide edged faceplate for protection of the front
- Clean furrow without residues, covered by fine clay made by vibrating of tine
- Available row-spacings : 16,7 – 20 – 25 cm (mounted machine)
- Compatible with dual product hoppers seed + fertilizer or associated crops



No-till and low disturbance of soil

- No clods lifting between the row
- No straw inside the seedbed
- Shallow vertical soil fissuring and mineralization

Specifications

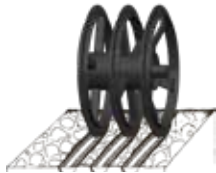
SPECIFICATIONS	Vibromulch mounted				Vibromulch trailed			Biomulch mou	
Working width (≈ m)	4,00	5,00	6,00	7,00	6,00	8,00	9,00	4,00	5,00
Transport width (≈ m)	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00
Weigh with standard configuration (≈ kg)	2 200	2 500	2 800	3 200	5 360	6 090	6 520	2 310	2 640
Power req. min-max (hp)	120 - 160	150 - 200	180 - 240	200 - 280	180 - 240	240 - 320	270 - 360	120 - 160	150 - 200
Number of tines	24	30	36	42	36	48	54	24	30
Transport height (≈ m)					2,80	3,80	4,20		

Rollers

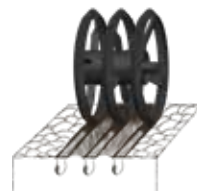
Cage Ø450/526



T-Sem Ø620



V-Sem Ø600



U-Sem Ø580



Cage roller Ø526 +
Finisher Ø460



Flexi-Roll Ø600



Double U-Sem Ø600
(trailed model only)



Flexi-Sem Ø310



nted 4/5/6 m		Biomulch trailed			Vibrosem SD mounted				Vibrosem SD trailed		
0	6,00	6,00	8,00	9,00	4,00	5,00	6,00	7,00	6,00	8,00	9,00
0	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00
10	2 980	4 900	5 400	5 600	1 840	2 160	2 475	3 200	5 450	6 180	6 340
200	180 - 240	180 - 240	240 - 320	270 - 360	120 - 160	140 - 200	160 - 230	180 - 260	180 - 240	240 - 320	270 - 360
	36	36	48	54	24	30	36	42	36	48	54
		2,80	3,80	4,20					2,80	3,80	4,20

Accessories

Vibromulch

Tine 3D 30x30 mm



Biomulch

3D tine + sweet share



Vibromulch - Biomulch

Right share



Sweep share
180/200 or 230 mm



Carbide sweep share
225 mm



Vibrosem

Right share



Narrow share 18 mm



Narrow share 12 mm
+ SD descent





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