

# Vineyard



 **AGRISEM®**

# 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.**

# COMBIVIGNE - CULTIVIGNE®

The Combivigne and the Cultivigne have the experience and the know-how of AGRISEM in the field of soil loosening and cracking with **the patented offset tipped blade**.



With the succession of climatic hazards, the orientation of the row of vines, sometimes with a slope and the soil compaction due to the repeated passages of machines make the soils subject to the risk of runoff, pollution or erosion. These different phenomena penalise the yields and the production quality.

## Restructuring without Overturning

The patented offset tipped blade lifts the soils in a wave pattern, thus **creating a vertical cracking**. The lifting of the soil strip is homogeneous over the entire working width, and is then refilled without overturning the horizons.

This allows to keep the fertile elements, including the organic matter, at the surface.

The soil is so little disturbed that it is possible to crack and level the soil, while keeping the gassing or the cover in place.



Depending on the sought work, a cracking or a decompaction, it is possible to equip the Combivigne and the Cultivigne with the 15x50 or the 20x590 TCS blade.



### 15X50 TCS blade

- Decompaction of 10-25 cm
- Ploughshare reinforced with CARBI-PROTECT carbide
- Removable ploughshare



### 20X590 TCS blade

- Cracking of 10-25 cm
- Cutting edge and ploughshare reinforced with carbide
- Removable ploughshare



The Combivigne has a frame that can be combined with a rear tool such as a power harrow. The articulated coupling system reduces the cantilever and ensures the adjustment of the depth thanks to position stop axles.



For a work by itself, the Cultivigne is equipped with a cage roller to control the depth and the soil closure.

# DISC-O-VIGNE®



The Disc-O-Vigne is an independent disc cultivator specially designed for tillage in vineyards.

It is particularly suitable for a **mechanical weeding of the inter-row with a perfect levelling of the soil** for an easy passage with a straddle.

The Disc-O-Vigne uses the proven know-how of AGRISEM of the Disc-O-Mulch field crops disc cultivator.

This machine exists with different widths from 1.05 m to 2.40 m with the assembly of the 2 rows of discs in V or in X.



The Disc-O-Vigne is equipped with a 3D security with a pigtailed percussion spring that ensures a strong penetration of the disc even on hard ground.

The 3D securities are combined with the Mulcheur Ø510 mm discs, whose serrated shape and self-sharpening profile enhances the ability to cut residues, and the penetration in dry soil.

The discs are assembled with sealed bearing hubs with dual rows of angular balls, and the sealing is made by a cassette seal Ø80mm.

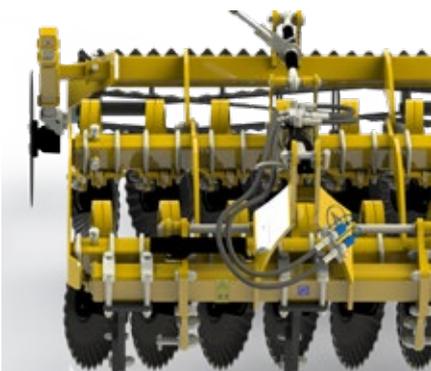


Thanks to this equipment and the assembly of the extra cracking blades, the Disc-O-Vigne keeps its stability and its efficiency at high speed. Thus, the offset tipped blades that lift the soil to loosen without overturning the horizons, reduce the risk of erosion and keep the fertility in the area.

# DISC-O-VIGNE®



The two rows of Mulcheur discs, whose angles are adjusted for a **better penetration/scalping ability ratio**, allows an excellent levelling, which can be improved by the action of the blades at the front. It is also possible to equip the machine with a notched bar roller for more crumbling or with the V-Sem roller to get the output tampered.



The frame of the Disc-O-Vigne has telescopic extension allowing to add some discs and to expand the machine according to the planting distances of the vine rows.  
On the sides, an adjustable circular coulters channels the soil flow for a clean finish of the inter-row.



Thanks to its system of discs assembled on percussion springs, the Disc-O-Vigne keeps its stability and its **efficiency** at high speed, providing an **unparalleled work output**. This is a key feature to **control the working costs and times**.



To facilitate the turnaround manoeuvres, the Disc-O-Vigne can be equipped with a hydraulic cylinder to raise the machine frame and thus reduce the cantilever.



# THE SPECIALIST OF THE COVER CROPS

The implantation of a cover crop on the inter-rows brings many advantages:

- Reduction of the erosion and of the runoff
- Input of organic matter and redistribution of the minerals with vines
- Optimisation of the water resources during drought periods
- Positive impact on biodiversity



To seed the cover crops and the grassing of the inter-row, the Disc-O-Vigne and the Gold Activigne harrow can be equipped with the DS 200 versatile pneumatic seeder. The seeds are distributed in front of the roller thanks to a ramp with 8 adjustable spark gaps.

As an option, it is possible to add a radar with DPAE regulation.

As standard, the machine comes with two sets of serrations for small or large seeds.

With the DS 200 pneumatic seeder, the Disc-O-Vigne becomes an **all-in-one machine** for the **management of cover crops**, for the **superficial preparation**, the **fast seeding**, and for the **destruction of the cover**.



Mounting on disc-O-Vigne instead of the cylinder kit.



Seeding ramp to be adapted on roller.



The DS 200 can also be mounted on the Gold Activigne power arrow for a seeding on a levelled ground, and firmly tamped thanks to the Packer roller.

# VIBROSEM Viti

**Vibrosem Viti** is a seed drill featuring the 3D safety tine technology triple-spiral «pigtail» tine technology already found on the Vibrosem range, as well as on Vibromulch and Biomulch stubble cultivators and scalpers.



The front of the tine is fitted with sharpened carbide inserts for **greater wear resistance**. For users wishing to use the machine on prepared ground, it is also possible to fit **more versatile plowshares and coulters**.

For the specific need of direct seeding, the tine is equipped with a **12mm fine-tipped share**, whose angle and shape have been specially developed **to limit upheaval**, while ensuring precise seed placement in a residue-free furrow. The percussion of the tine ensures the creation of the minimum amount of fine soil necessary for germination.



Vibrosem Viti is based on a 3-row modular frame, allowing the scalable installation of **6, 8 or 10 tines, with a row spacing of 22 cm**. Depth control is provided either by support wheels, or by a rubber roller with profile or cage.

Thanks to its high clearance under frame (60 cm) and the spacing between the rows of tines, **the Vibrosem Viti is at ease with heavy residue and avoids blockages**.

Finally, a 1 or 2 row comb harrow is available as an option, to level and close the furrow for optimum finishing work.



The seed distribution system is **electric** and can be optional radar-controlled speed control or data transfer from the tractor. The 2X 150L dual-product version can also be fitted with side-shooters for broadcast seeding between vines.





## Circular Turbo Coulters

To ensure seeding even the soil is already covered with grass, or for seeding a second cover crop, the seeder can be fitted with Turbo circular coulters, **which cut residues in front of each tine.**

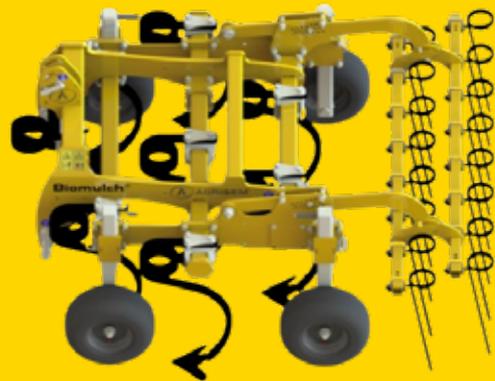
They are centrally adjustable, allowing them to be retracted if required. The seeder can be fitted with 3 models of pneumatic hopper : 200L, 500L or 2X150L. An electric blower is fitted to the 200L version, while the 500L hopper and the 2X150L double product version are equipped with a hydraulically-driven blower **to ensure sufficient flow of large seeds and/or fertilizer.**

Hoppers	DS 200	DS 300	DS500
Capacity (= L)	200	150x2	500
Blower	electric	hydraulic	hydraulic
Maximum row number	8	10 (with distributor head) 10+4 (distributor head + spreaders)	8 10 (with distributor head)
Control box A-Organiser +	5.2	5.7	5.2

## BIOMULCH Viti

A version specially designed for scalping, called Biomulch Viti, has also been developed. In this version, the tines are fitted with straight shares or sharpened crow's feet **to reduce tine wear.**

- 3D safety scalper 30x30mm
- Modular 3 row frame 80x80mm
- Clearance under frame 60cm
- Straight reversible plinths or 200mm crow's feet
- Multistop depth control
- Row spacing 22cm
- 3 point linkage cat. 1-2



# Specifications

Specifications	Combivigne				Cultivigne			
Working width (≈ m)	1,20	1,50	1,70	2,20	1,20	1,50	1,70	2,20
Standard configuration weight (≈ kg)	235	310	320	365	310	340	370	430
Power req. min-max (hp)	-	-	-	-	55 - 90	60 - 95	65 - 100	70 - 110
Number of blades TCS 15x550	2	3	3	4	2	3	3	4
Number of blades TCS 20x590	3	4	4	5	3	4	4	5

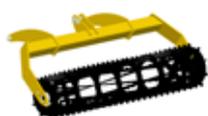
	Disc-O-Vigne V							
Working width (≈ m)	1,05	1,20	1,42	1,70	1,81	1,91	2,40	1,22
Weigh without blades (≈ kg)	660	750	840	940	1 010	1 020	1 200	640
Power req. min-max (hp)	35 - 75	40 - 80	45 - 85	55 - 85	55 - 95	60 - 100	70 - 110	40 - 80
Number of discs Ø510	8	10	12	14	16	16	20	6

	Vibrosem Viti					Biom...		
Number of tines	6	6 + 2	8	8 + 2	10	6	6 + 2	8
Seed width (≈ m)	1,32	1,32	1,76	1,76	2,20	1,32	1,32	1,76
Overall width (≈ m) with roller	1,30	1,61	1,70	2,16	2,25	1,30	1,61	1,70
Overall width (≈ m) with harrow	1,30	1,70	1,70	2,25	2,25	1,30	1,70	1,70
Weight with crumbling roller without seeder	521	544	576	655	690	515	536	568

## Rollers

### Disc-O-Vigne

With toothed bars Ø460



V-Sem Ø470



### Vibrosem Viti

Flexi-Sem



## Accessories

### Disc-O-Vigne

Vérin hydraulique de repliage



Kit extension 4 disques







535 rue Pierre Levasseur - CS 60263  
44158 ANCENIS - FRANCE

T. +33 (0) 2 51 14 14 40

[www.agrisem.com](http://www.agrisem.com)  
[agrisem@agrisem.com](mailto:agrisem@agrisem.com)

*#YellowTeam*



Your dealer :