

# Disc-O-Mulch Gold<sup>®</sup>



# 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.



## 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**.

# Disc-O-Mulch Gold®



Disc-O-Mulch Gold is an independent disc harrow that meets high performance needs.

Its characteristics make it suitable both for the destruction of plant residues and for the preparation of the seedbed at high working speeds.

It is very famous in difficult soils because its weight and the vibration of the 3D safeties give it very good efficiency.



Disc-O-Mulch Gold was designed to provide the maximum clearance possible.

It allows the use of the machine in the presence of large quantities of residues such as behind grain corn, sunflower or to incorporate organic matter such as manure or cover crop.



Equipped with two rows of large diameter discs ( $\text{\O}610$  at the front and  $\text{\O}560$  at the rear), the Disc-O-Mulch Gold can work without risk of being filled even in the presence of large volumes of residue.

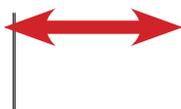


# Disc-O-Mulch Gold®



Disc-O-Mulch Gold is equipped with AGRISEM-patented “3D Safety” spring-loaded discs with spiral against spiral assembly, with a section of 35x35 mm. They offer a vibration and percussion effect on hard floors allowing penetration even on dry ground and incomparable crumbling.

In addition, this safety system allows the disc to retract laterally in the event of an impact against stones. It is a simple and robust system, without articulation parts or any lubrication.





**A Spring section 35 x 35 mm:**

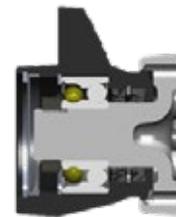
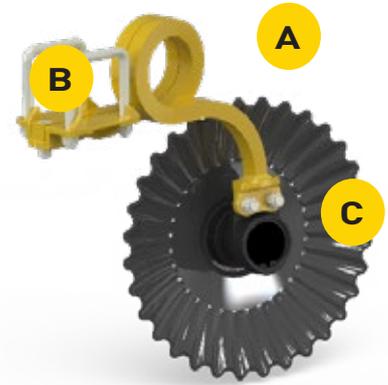
- exclusive AGRISEM coil direction with percussion effect.
- Simple and robust system, without articulation parts or any lubrication.

**B Fixing to the beam:**

- Large section beam 120x120 mm
- Large cast steel connector board and Ø20 mm U-bolt.

**C Oversized hubs developed by AGRISEM**

- SR Ø80 mm or the biggest SRE Ø100 mm hub on the market !
- Double row angular contact ball bearings
- Cassette seal system for total sealing (double on the SRE model)
- Robust cast iron body



**Angle of inclination of the discs = key point of the quality of work**

**Positive and optimal entry angles for excellent penetration capacity in hard soil and incomparable mixing power**

→ Mounting on fixed beam = constant angle whatever the working depth

→ Clearance under frame preserved



Depth adjustment by rotating the tube



Depth adjustment by positioning the tube

# Disc-O-Mulch Gold®



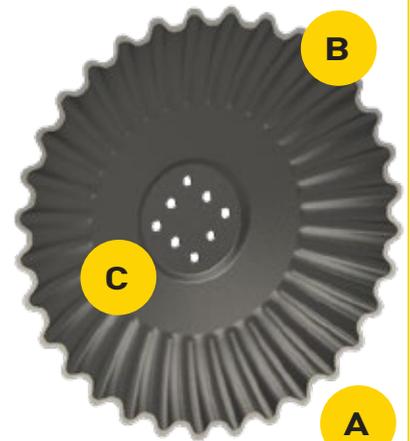
## SLICE FOR THE MULCHING DISC

AGRISEM mulching discs with a fluted profile push back the limits of use and make the work of Disc-O-Mulch incomparable in difficult situations. They also retain their aggressive and sharp profile, which extends their service life. They are associated with a specific heat treatment, reducing wear



**A Profile shape :**

- More regular working depth than with a conventional disc
- Enlarged working groove for better scalping



**B Sharpening over the entire attack zone :**

- More intense cutting and mulching of residues
- Self-sharpening profile that retains its capabilities as the disc wears
- Improved penetrating ability

**C Disc splines :**

- Creation of lateral vibrations which increase crumbling
- More intense cutting and mulching of residues
- Self-cleaning shape that improves passage in sticky conditions
- Greater strength related to undulation which allows greater hardness and longer life

The result is visible:

- better residue mulching
- more intensive mixing in all conditions
- less sticky in damp soil
- greater efficiency in regrowth scalping
- uniform working depth



# Disc-O-Mulch Gold®

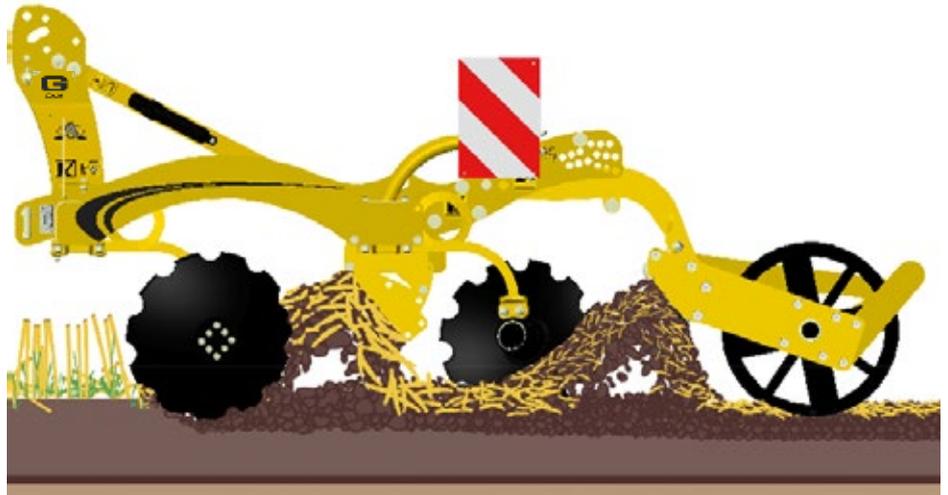


## EXCLUSIVITY AT THE SERVICE OF PERFORMANCE

The clod-breaking board patented by AGRISEM, offered as an option on the Disc-O-Mulch Gold, allows the flow of soil to be channeled between the two rows of discs.

The clods come to burst against this box which accentuates the effect of crumbling, leveling and mixing soil-straw of cultivator. It also avoids excess material in the second row of discs.

Its aggressiveness is adjustable according to speed, residue and soil moisture conditions



Both rows of discs on the Disc-O-Mulch Gold feature larger diameter discs at the front (610mm), and smaller at the rear (560mm as standard).

This assembly, exclusive to AGRISEM, offers more clearance at the front for passing through residues and more wear reserve.

At the rear, the smaller discs rotate faster to refine the soil more intensively. For very wear soil conditions, it is possible to equip the Disc-O-Mulch Gold with Ø610 mm discs on both rows.



# Disc-O-Mulch Gold®

## Rigid models / Folding models



The mounted range is made up of 3 fixed models of 3.00 m – 3.50 m and 4.00 m (intended for tractors from 75 to 180 hp) and 3 folding models of 4.00 m – 4.50 m and 5.00 m (intended for tractors from 110 to 220 hp).

Equipped with a rigid frame with a large clearance, these devices have all the performance of the range, with maneuverability for small fields.

By combining it with a DS 200/500 seeder, the Disc-O-Mulch Gold becomes a **high-performance machine** throughout the fallow period, for stubble cultivation, false seedbeds, cover crop sowing and their destruction.





- 3-point hitch category 3
- frame with notched side rails for maximum clearance
- Deflector and side disc



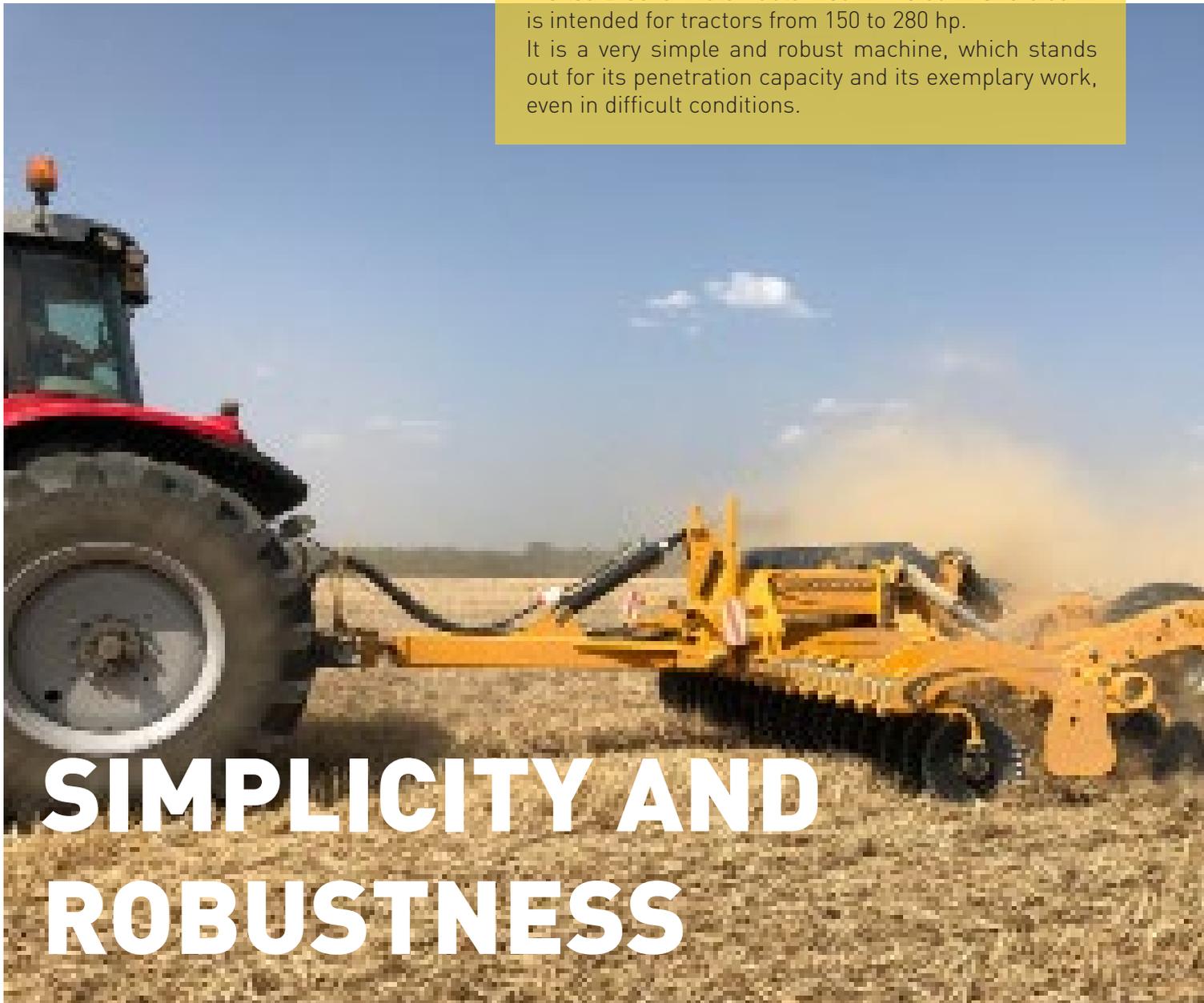
An optional **hydraulic roller folding system**, reducing the overhang, makes transport on the road safer. In particular, this allows mounting with a roller providing strong compaction.



# Disc-O-Mulch Gold®

## Trailed 4,5/5/6 m

Trailed Disc-O-Mulch Gold 4.50 m – 5.00 m and 6.00 m is intended for tractors from 150 to 280 hp. It is a very simple and robust machine, which stands out for its penetration capacity and its exemplary work, even in difficult conditions.



# SIMPLICITY AND ROBUSTNESS

Disc-O-Mulch Gold is distinguished by its ease of use and handling, with quick depth adjustment by Multistop stop pins (or hydraulics as an option) and an articulated drawbar to optimize the tractor-implement connection .





AGRISEM made the choice, when designing the trailed Disc-O-Mulch Gold, to position the axle of the machine between the second row of discs and the roller.

This offers many advantages:

- The wheels are moved forward and maneuverability is better for headland maneuvers and road transport.
- At work, the axle is raised in the center of the machine and brings additional weight which improves penetration in dry ground, unlike kinematics with a rear overhang axle.
- To lift the machine at the end of the field, the axle articulates with a short amplitude, allowing optimal reactivity for maneuvers on the large transport wheels (500/45-22.5).

Equipment of the machine, such as an extension locking system using hydraulically operated latches, or LED road lighting, can be completed with radial profile tires, for safe road travel.

Similarly, a wide choice is possible between different coupling systems to meet the preferences of each user.

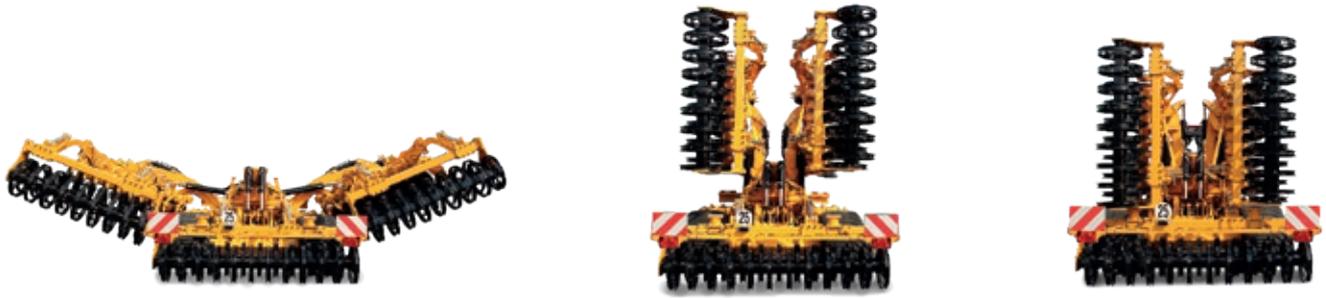


# Disc-O-Mulch Gold®

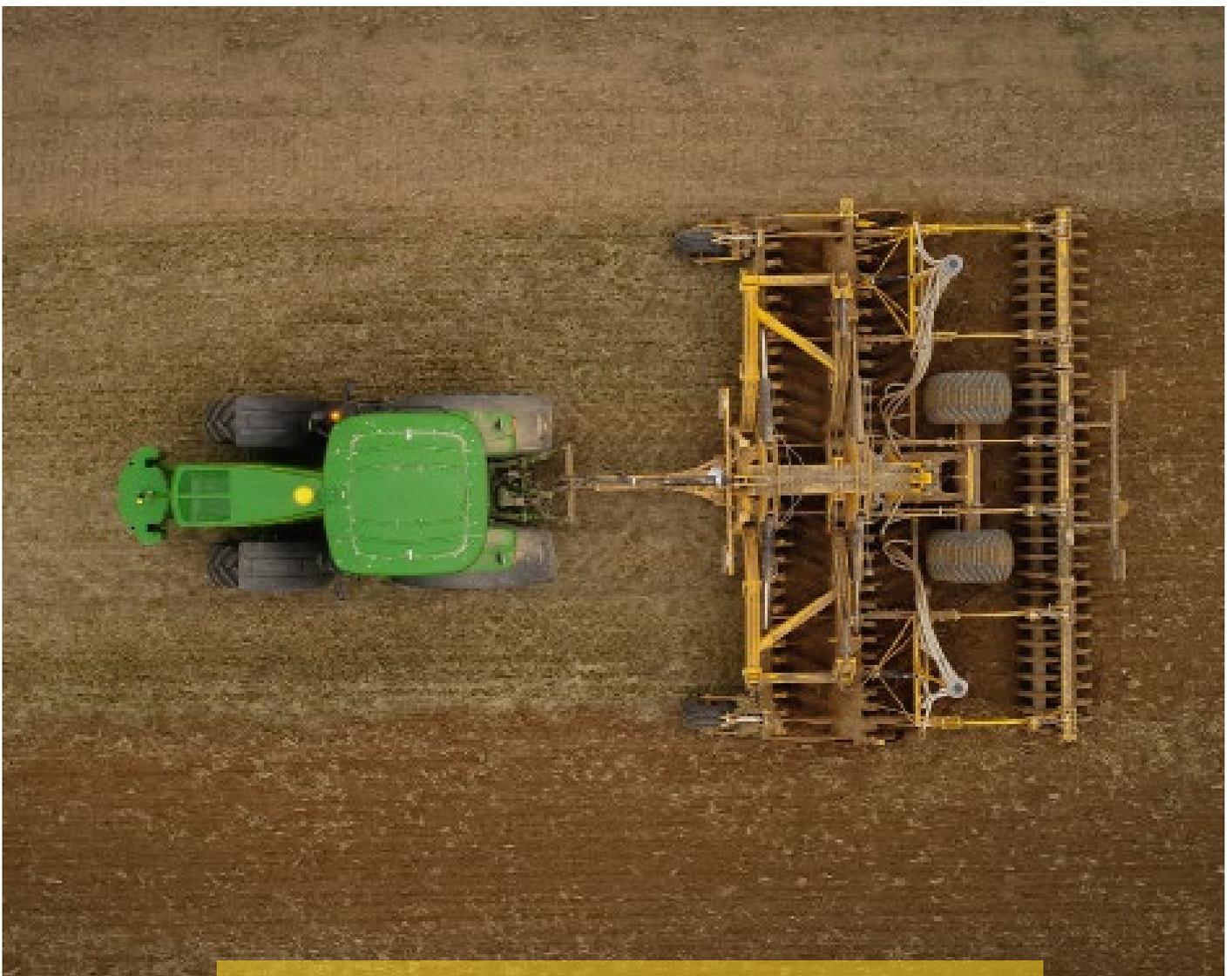
Trailed 7,5/8/9 m



Equipped with front control wheels and rollers directly connected to the frame, Disc-O-Mulch ensures precise monitoring of the working depth over the entire width, allowing in particular the use for sowing or superficial stubble cultivation.



A 3-part folding kinematics with extension retractability system for a **compact transport size**.



Trailed Disc-O-Mulch Gold 7.50 m – 8.00 m and 9.00 m is designed for tractors from 250 to 420 hp. It allows a high work rate, while maintaining a compact size.

# Disc-O-Mulch Gold®

## Trailed 10/12 m

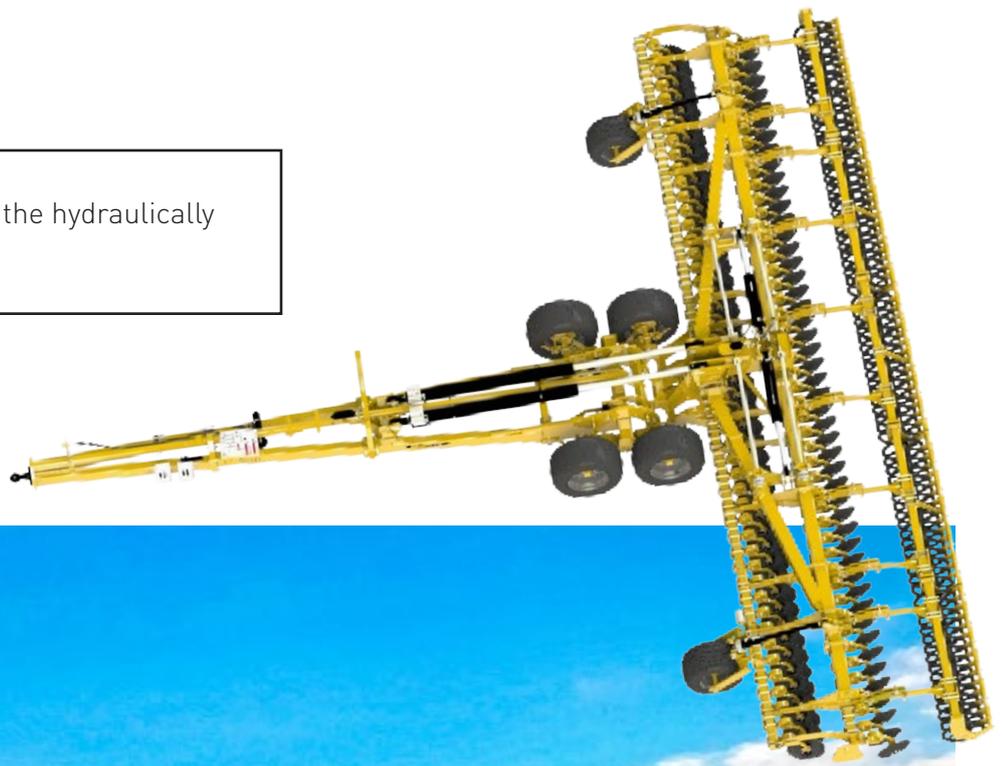
Designed for high-powered tractors and large farms, Disc-O-Mulch Gold 10 and 12 m allows quality stubble cultivation with excellent ground following, and exceptional work rates.



Even more clearance between the rows of discs with the EXTRA version (+170 mm), as well as between the discs (285 mm pitch) for use even in wet conditions with a lot of residue.



Depth control and U-turns on the hydraulically adjustable front wheels.



Compact transport with road gauge 3.00 m with bogie axle.

# Disc-O-Mulch Gold® Seeder



With Disc-O-Sem® sowing unit equipment, the Disc-O-Mulch Gold becomes a versatile sowing seeder by covering:

- Drop tubes position the seed on the back of each rear row disc. This makes it possible to place the seeds in the furrows dug by the discs for sowing in strips, spaced 25cm apart.
- With entry angle of the discs, the flow of soil is projected upwards, and then comes to cover the seed before being pressed by the roller
- Seeding depth is adjusted simply by adjusting the roller, which increases or decreases the amount of soil that covers the seed.
- There are no working parts added to the cultivator, thus maintaining the capabilities of Disc-O-Mulch Gold in the presence of large amounts of residue.
- The result is a very robust seeding device, with reduced maintenance, which, due to its high speed, allows an impressive work rate.





### **Organization of cover crop**

Disc-O-Mulch Gold can be combined with the DS200/500 seeder, efficient for sowing cover crop. A ramp of stainless steel breakers distributes the seeds in front of the roller.

# Specifications

	Rigid models			Folding models			Trailed
Working width (≈ m)	<b>3,00</b>	<b>3,50</b>	<b>4,00</b>	<b>4,00</b>	<b>4,50</b>	<b>5,00</b>	<b>4,50</b>
Transport width (≈ m)	3,00 <small>with retractable side deflector</small>	3,50 <small>with retractable side deflector</small>	4,00 <small>with retractable side deflector</small>	3,00	3,00	3,00	3,00
Weight in standard configuration (≈ kg)	2 134	2 304	2 618	3 146	3 593	3 853	5 566
Power req. (hp)	75 - 130	90 - 160	110 - 180	110 - 180	130 - 200	150 - 220	150 - 210
Number of discs	24 + 1	28 + 1	32 + 1	32 + 1	36 + 1	40 + 1	36 + 1
Distance between beams	1 070	1 070	1 070	1 020	1 020	1 020	1 070
Step between beams	250	250	250	250	250	250	250

# Rollers

**Cage Ø526**



**T-Sem Ø620**



**V-Sem Ø600**



**U-Sem Ø580  
(mounted model only)**



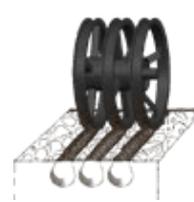
**Agrix Ø500**



**Steel-pack Ø600**



**Double U-Sem Ø580  
(trailed model only)**



**Cage Ø526 + Finisher Ø460**



**Levelling harrow**



4,5/5/6 m		Trailed 7,5/8/9 m			Trailed 10/12 m					
5,00	6,00	7,50	8,00	9,00	10,00	10,00 extra	10,00 extra ++	12,00	12,00 extra	12,00 extra ++
3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00
6 070	6 374	9 100	9 320	10 020	14 550	14 100	14 580	15 450	15 000	15 480
170 - 250	190 - 280	250 - 360	280 - 390	300 - 420	350 - 450	350 - 450	350 - 450	400 - 500	400 - 500	400 - 500
40 + 1	48 + 1	60 + 1	64 + 1	72 + 1	80 + 1	72 + 1	80 + 1	96 + 1	84 + 1	96 + 1
1 070	1070	1 270	2 170	1 270	780	950	950	780	950	950
250	250	250	250	250	250	285	250	250	285	250

# Accessories

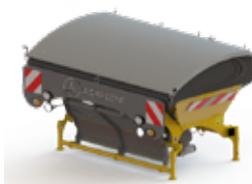
**DS 200/DS 500**



**DSF 1000**



**DSF 1600/2200**



**DSA**





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