

# Disc-O-Mulch Série R®



# 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**.

# Disc-O-Mulch Série R®



## EFFICIENT AND ECONOMICAL STUBBLE CULTIVATION

- Quick and efficient shallow stubble cultivation.
- Aggressive discs for use even in the first pass.
- A high forward speed and a contained need for power for an optimized site cost.



The Disc-O-Mulch Série R is a stubble cultivator that excels in residue management, thanks to its capacity **for mixing and distributing straws, its cutting power, and its high clearance.**





## Organization of cover crop

By combining it with a DS200 / 500 seeder, the Disc-O-Mulch Série R becomes a powerful machine for the management of cover crop throughout the intercrop period for stubble cultivation, false sowing, sowing of CIPAN and their destruction.

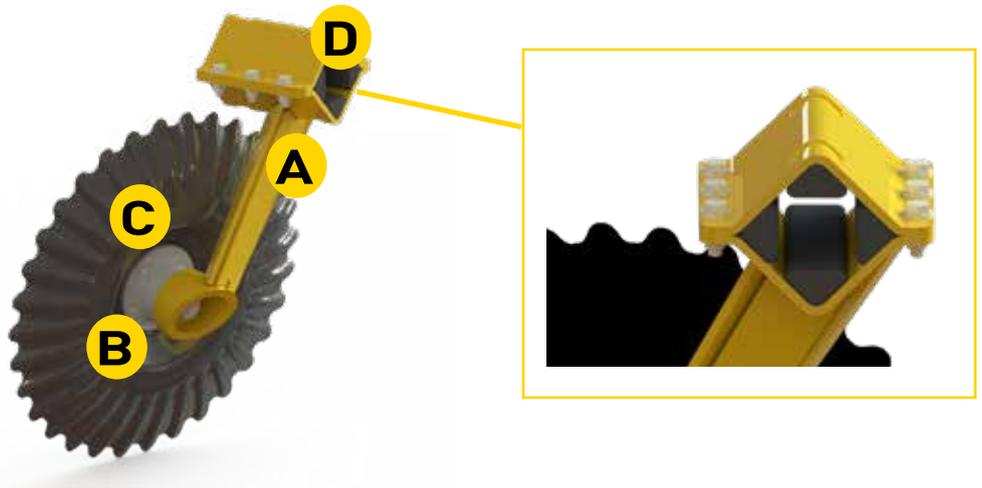
## An excellent seedbed preparer thanks to:

- Its ability to heat, level and refine the soil.
- Its wide choice of rollers to improve tamping or crumbling.
- Its lightness and its need for moderate power allowing it to be used in the spring with light tractors.



# Disc-O-Mulch Série R®



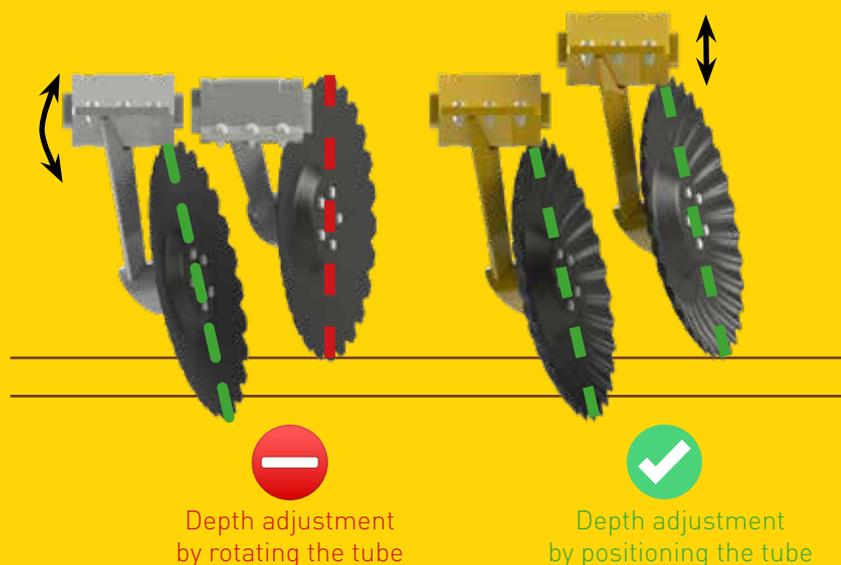


- A Discs assembled one by one on the machine using an individual suspended arm:**
  - Higher penetration pressure
  - Greater working precision.
- B Sealed bolt-on hub:**
  - Large Ø72mm bearings and cassette seals = reliability and perfect sealing
  - Nord-Lock ® fine pitch screws and anti-vibration safety washers = reliable assembly and easy maintenance
- C Exclusive stamped shape of the disc:**
  - Straw winding protection
  - Hubs protected from projections of sand, mud or stones.
- D Triangular elastomer coil safety:**
  - + 28% contact surface with the beam = high torque
  - No deformation or risk of damaging the flange during assembly
  - Mechanical lock to lock the disc laterally

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

→ Penetration capacity even with a light machine

→ Installation on a fixed beam = constant angle whatever the working depth



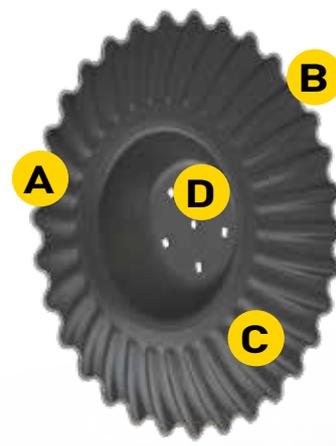
# Disc-O-Mulch Série R®



## Slice for the Mulcheur Disc

The AGRISEM mulching discs with fluted profile allow to push the limits of use and make the work of the Disc-O-Mulch incomparable in difficult situations.

They also retain their **aggressive and sharp profile**, thereby extending their useful life, associated with a specific heat treatment reducing wear.



- A Profile shape:**
  - More regular working depth than with a conventional disc
  - Widened working groove for better scalping
- B Sharpening over the entire attack zone:**
  - More intense cutting and chopping of residue
  - Self-sharpening profile that retains its capabilities as the disc wears out
  - Improved penetration ability
- C Fluted disc:**
  - Creation of lateral vibrations which increase crumbling
  - More intense cutting and chopping of residue
  - Self-cleaning shape improves passage in sticky conditions
  - Greater strength due to corrugations which allows greater hardness and longer life
- D Stamping in the center of the disc:**
  - «Mouldboard» effect to reorientate the flow and improve the soil / straw mixture
  - Rear hub protection

The result is visible:

- **Better hashing** of residues.
- **A more intensive mixture** in all conditions less sticky in damp soil.
- **Greater efficiency** in scalping regrowth.
- **Uniform** working depth.



# Disc-O-Mulch Série R®

## Rigid/foldable mounted



The fixed reach range is available in 3.00 m - 3.50 m and 4.00 m and is intended for tractors from 70 to 140 hp.

Intended for small and medium-sized farms, it is very efficient despite its lightness and compactness, benefiting from all the strengths of the other models.



### Edge discs

The adjustable side edge discs retract during transport in order to comply with road dimensions.

The hydraulically operated working depth adjustment can be continuously adjusted from the operator's station.





The folding reach range, available in 4.00 m - 5.00 m and 6.00 m and intended for tractors from 140 to 220 hp. Its compactness and maneuverability while allowing a high work rate are the strengths of this stubble cultivator intended for medium and large farms.



The structure is provided by a **robust frame**, the rigidity of which 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 release for transport, and hydraulic adjustment of the working depth.



Optionally, you can add side deflectors for **optimal leveling**.

# Disc-O-Mulch Série R®

## Trailed 4,5/5/6 m



The Disc-O-Mulch Série R trailed 4.50 m - 5.00 m and 6.00 m is intended for tractors from 140 to 200hp. It is a very simple and manoeuvrable machine, which can be fitted with additional equipment, without stressing the tractor lift during road transport.



The front **Cross-Board kit**, with hydraulic adjustment, allows you to level the soil before the discs pass, and to drive in the clods for more efficiency in resuming plowing and preparation of the seedbed.



The machine's equipment, such as an extension locking system using hydraulically operated latches, is supplemented by **LED road lighting**, for safe driving on the road.



The transport axle is positioned between the second row of discs and the roller.

This offers many advantages:

- When working, the axle is raised in the center of the machine and provides additional weight which improves penetration in dry ground, unlike a kinematics with a rear cantilever axle.
- The wheels are advanced and the handling is better for headland maneuvers and road transport.
- To raise the machine at the end of the field, the axle is articulated with a short amplitude, allowing optimal responsiveness for maneuvering on the large transport wheels (480 / 45-17).
- The possibility of equipping the Disc-O-Mulch with a double roller and a rear comb harrow.



To increase the capacity for crushing and destroying plant cover and rapeseed or sunflower stubble, for example, the front cutter roller kit is available as an option. Equipped with hardened and sharp steel blades, a hydraulic pressure system ensures soil tracking and regular pressure. It also makes it possible to reinforce the defibration of corn canes, to fight against pests such as the corn borer and sesamia.

# Disc-O-Mulch Série R®

## Trailed 7,5/8/9 m



The 7.50 m - 8.00 m and 9.00 m trailed R Series Disc-O-Mulch is designed for use with tractors from 190 to 325HP, and **allows efficient stubble cultivation with a high work output**, to meet to **the requirements of large farms**.



The Disc-O-Mulch is equipped with large front wheels, which participate in the control of the working depth which is hydraulically adjusted.



### The rear comb harrow

Available as an option for:

- Perfect the distribution of residues on the ground.
- Ensure perfect leveling.
- Avoid transplanting weeds.

### Side stabilizer wheels

Available as an option. They ensure **perfect stability** of the machine when turning around at the end of the field. The kinematics of the chassis are also designed in such a way as to allow the follow-up of the unevenness of the ground.



Despite its large working width, the Disc-O-Mulch retains a compact size during transport, with very simple folding kinematics.

# Disc-O-Mulch Série R®

## Trailed 10/12 m

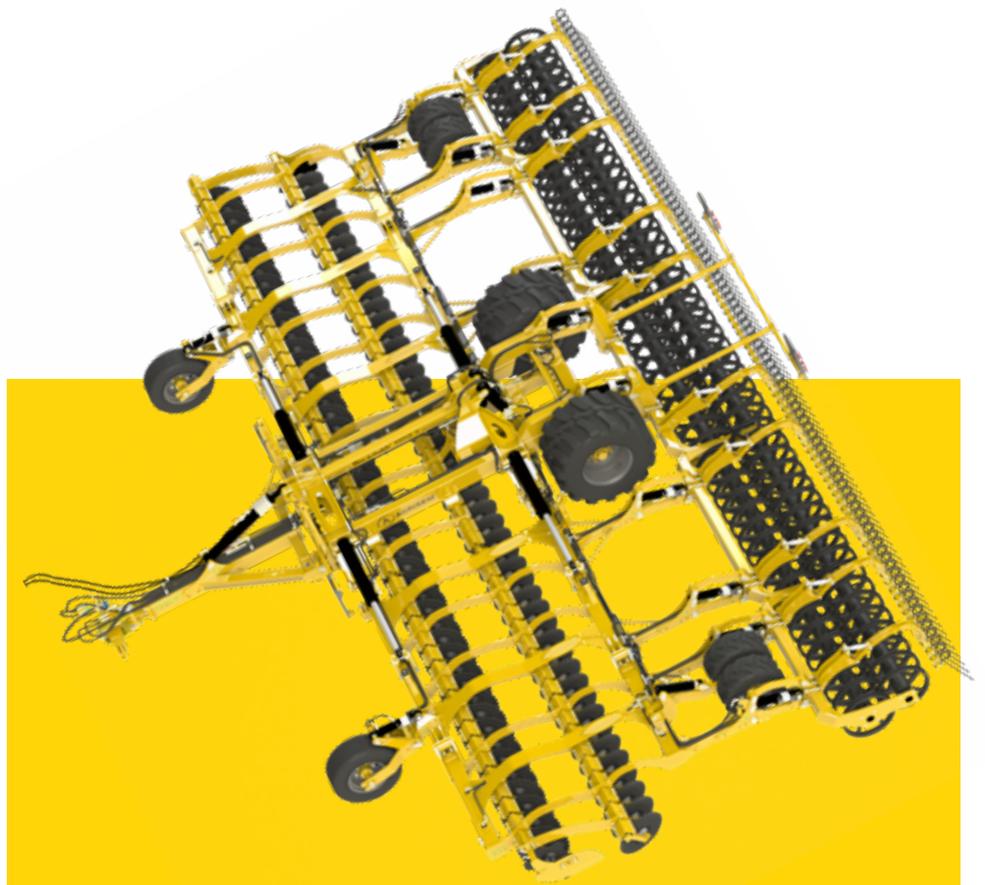
With a power requirement that can vary from 270 to 430 hp, the Disc-O-Mulch R Series 10 - 12 m allows, with high speed, to achieve site throughputs of around 15 hectares per hour.

The result is **perfect stubble cultivation**, at a **very attractive site cost** for large farms.



Despite its compact size, the frame has been designed to ensure **maximum clearance between components**, making the machine comfortable even with large amounts of residue.





The Disc-O-Mulch is very manoeuvrable thanks to its **axle positioned** behind the discs.

U-turns are performed on the low pressure wheels as well as on the side stability wheels allowing quick maneuvering in complete safety. This concept also allows a wide choice of rollers, single or double, with the possibility of adding a rear harrow.



For excellent monitoring of working depth, the Disc-O-Mulch is equipped with **hydraulically adjustable control** on the front wheels and on the roller.

The folding kinematics of the floating frame allow adaptation to the relief of the terrain for regular work. 17

# Specifications

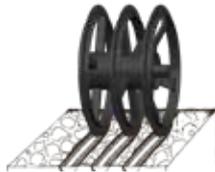
	Rigid models			Foldable mounted models		
Working width (≈ m)	3,00	3,50	4,00	4,00	5,00	6,00
Transport width (≈ m)	3,00	3,50	4,00	3,00	3,00	3,00
Standard configuration weight (≈ kg)	1 290	1 430	1 615			
Power req. min-max (hp)	70 - 110	80 - 130	90 - 140	140 - 190	150 - 200	170 - 220
Number of discs	24	28	32	32	40	48
Transport wheels		-			-	

# Rollers

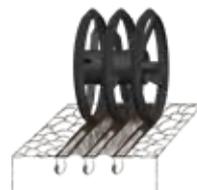
Cage Ø526



T-Sem Ø620



V-Sem Ø600



U-Sem Ø580



Agrix Ø500



Flexi-Roll Ø600



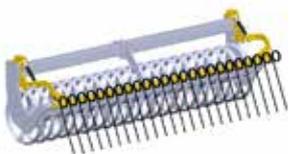
Double U-Sem Ø580  
(only trailed model)



Cage Ø526 + Finisher Ø460



Levelling harrow



Trailed 4,5/5/6 m			Trailed 7,5/8/9 m			Trailed 10/12 m	
4,50	5,00	6,00	6,00	8,00	9,00	10,00	12,00
3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00
3 926	4 125	4 494	7 940	8 200	8 650	10 930	11 613
140 - 190	140 - 190	150 - 200	190 - 265	210 - 290	240 - 325	270 - 360	310 - 430
36	40	48	60	64	72	80	96
480/45-17	480/45-17		600/50-22,5 (radial en option)			710/40R22,5	

# Accessories

**DS 200/DS 500**



**DSF 1000/1500**



**DSF 1600/2200**



**DSA**





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