

DSF-DSA®



 **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**.

DSF 1000 - 1500

The DSF 1000 and 1500 are compact front hoppers with a single meter of 1000 and 1500 L capacities.



1. For DSF 1000 L.
2. For DSF 1500 L.



Standard metering units
Stainless steel x1 outlet
Ø90



Standard metering units
Stainless steel x2 outlets
Ø70

SIMPLE & ACCESSIBLE

Simple and accessible, it is nevertheless efficient, by incorporating a high-performance technology with a stainless steel meter and a DPAE regulated drive. It is used with tools from 3 to 6 m.



DSF 1600 - 2200



The DSF 1600 and 2000 are hoppers with capacities of respectively 1600 and 2200 L.

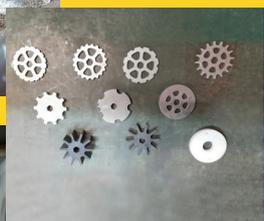


Equipped with 2 metres, they can be compartmentalised to allow the input of fertiliser during sowing (option). They have the ISOBUS electric drive.

DSF 2500



For the uses requiring a high seed/fertiliser flow, the DSF 2500 is equipped with 2 specific meters with a pressurised hopper with 2 compartments.



Pressurised mono bloc meter:

- Interchangeable serration rollers
- Closing guillotine hatch
- Left/right product distribution flap in the pipes
- Increased maximal flow capacity





When the installation at the front of the hopper is not possible, and to allow a greater capacity, the DSA takes 1600/2200 or 3200 L at the rear of the tractor. It has a rear interface to connect a semi-mounted tool.

The choice of the rear hopper allows in particular to improve the grip of the tractor to the rear wheels, which is often required with trailed tool. Manoeuvrability and visibility are maintained.



Frame with reinforced structure meeting the requirements of power of the trailed machines (up to 400 HP):

- Cadre d'attelage 3 points au tracteur CAT.3, CAT.4N ou CAT.4
- Rear coupling frame for the tool (coupling to the lower arms, piton or ball joint K80)

DSF-DSA®



A **DESIGN** developed
for a
DAILY USE

The DSF size is the most compact on the market while offering a large capacity for more autonomy.

The user can choose the passage of the pipes they prefer, to the right of the tractor or between the wheels. At work, the air pressure and hopper-level indicators are continuously visible from the operator's position. **The access to the meter is very simple** on each side of the hopper to ease the adjustment, the calibration and the maintenance.



The hopper design has been specially studied to provide **the best possible visibility** thanks to the forward diving shape.

The DSF 1600 / 2200 front hoppers are equipped with 2 volumetric stainless steel serration meters that allow to distribute the main types of seeds, fertilisers and covers.

They are equipped with an adjustable spoon system and an agitator to ensure an effective filling and to protect the most fragile seeds

Standard stainless steel
meter x1 outlet Ø90



High flow meter x2
Outlets Ø90

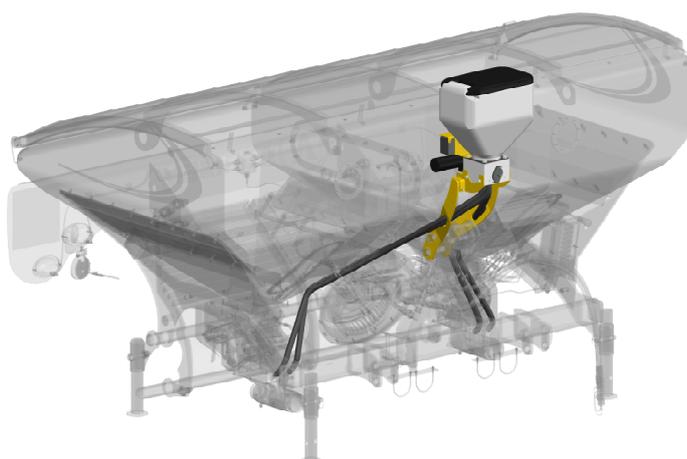
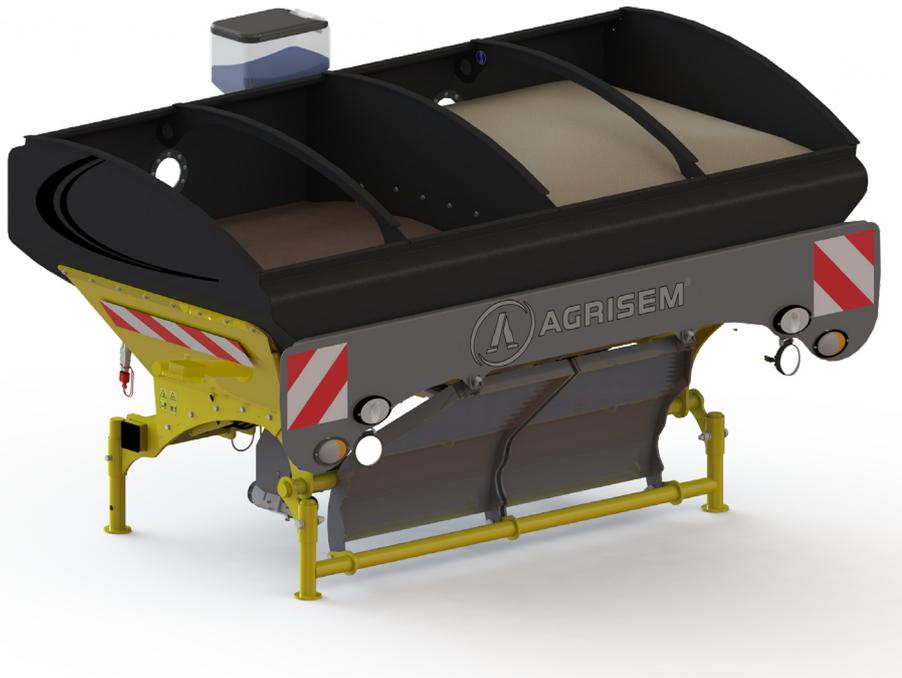


Standard stainless steel
meter x2 outlet Ø70



The hopper with dual compartments: a solution adapted for every need

The DSF 1600/2200 front hoppers and DSA 1600/2200/3200 rear hoppers can receive in option a partition with an independent electrical drive for each meter. This allows to distribute 2 products which dosage, grain size and density are completely different.



Small seeds / micro granular 22 L for applying a third product (small seeds, microgranules, starter fertiliser, insecticide, etc).



The whole hopper can be dedicated to the distribution of a high volume of fertiliser such as fertilisation on the seeding line with a single-seed seeder or a strip-till.



The 2 compartments can be used to distribute 2 different types of fertilisers for an accurate management of the fertilisation according to the various elements (N-P-K).



The 2 metres can also be used for seeding very different intercropping without having to mix them and thus to optimise the accuracy, the serration and the coulter settings.



The user can use their hopper to perform localised seeding and fertilisation in a single passage.



The entire hopper can be used for seeding in a conventional way to optimise the capacity of the tank and increase the work output with a greater autonomy.

Electronic management of the meters

	A-Controller	Isobus	
		Without terminal oo Smart 430 	A-Touch 800 & 1 200 
	DSF 1000 - 1500	DSF / DSA 1600 - 2200 - 2500 - 3200	
DPAE seedling dose regulation	●	●	●
Control of the system	●	●	●
Driving speed measured by GPS receiver	●	●	●
Automated Calibration Test	●	●	●
Tramline Management	●	●	●
Early departure	●	●	●
Management of 2 types of products at the same time	-	○	○
Management of a 3rd metres from small seeds / microgranulates	-	○	○
ISOBUS connection	-	●	●
Automated shutdown	-	○	○
Compatible with the various ISOBUS terminals	-	●	●
Use with the tractor terminal	-	●	●
Traceability of your utilisation data	-	●	●
Dose modulation by mapping 1 product	-	○	○
Dose modulation by mapping 2 independent products	-	-	○
Row plugging sensors and seeding controller	-	-	○
Analogue camera	-	-	○
Road lighting with low beams	●	● (DSF)	● (DSF)
LED work lights	-	● (DSF)	● (DSF)

● Standard accessory
 Optional accessory
 - Unavailable





	300.0 kg/ha		100%	
	350.0 kg/ha		100%	
	9.2 km/h		3	
	2822 1/min		6	





THE IMPORTANCE OF LOCALISED FERTILISATION

-  Optimisation of the input of fertiliser by reducing the risk of evaporation or of burning the plant.
-  Optimum availability for the plant with the fertiliser solubilised in the soil at the disposal of the roots even in dry conditions.
Possibility to fertilise only near the plant to ensure a better domination against weeds. This phenomenon is even more marked in Conservation Agriculture where the organic matter of the cover can create a hunger for nitrogen at the surface and in the inter-row which harm the rise of the weeds.
-  Better start of the plant, increase of the number ears and improved yield.
-  **Time saving** with one less passage

Possible reduction of the input of fertiliser because of a better consumption of the fertiliser.

Reduction of the risk of air pollution (evaporation) and water pollution in case of runoff.

THE PERFORMANCE WITHIN THE FERTILISATION

The standard stainless steel meter with serration and agitator system allows to effectively distribute the main types of fertilisers, whether dusty or not, with a tendency to agglomerate or not, or very light such as organic fertiliser pellets.

The stainless steel hopper in option prevents the risk of corrosion in case of intensive use with aggressive fertilisers.

The loading is facilitated by the wide flared hopper with a large opening by winding the cover sheet. This allows to load directly with a bucket or with a suitable trailer.

The cover does not risk to be damaged when the bucket or the big-bags get closer.

The hopper grille effectively prevents any risk of blockage due to blocks or torn pieces of bag.

It is possible to use the front ramp associated with the DSF to arrange the fertiliser in full with spark gaps or localised on the seeding lines with straight descents.

Dosing control compatible with the mapping systems, the GPS receivers and the calculation of the needs (Yara Nsensor type) for intra-parcel dosing modulation – automated shutdown – data tracking.

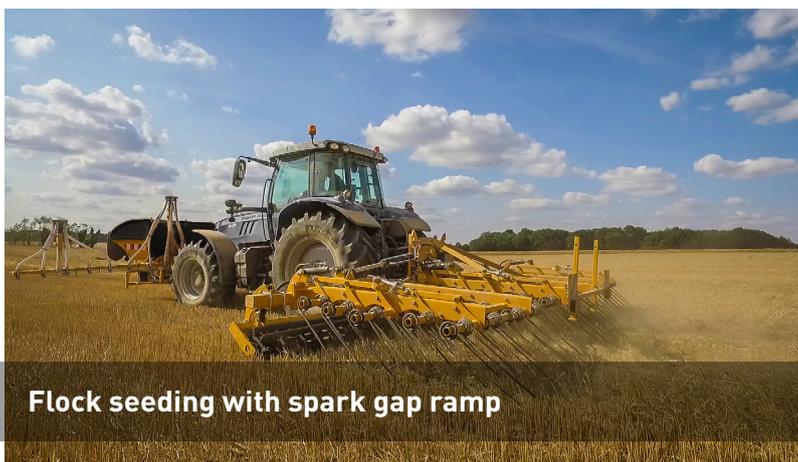


The perfect partner for any coultter solutions.

Our range of front hoppers can be adjusted with any AGRISEM seeding solutions. **This allows a use all year long and a high level of profitability.**



Vibrosem TCS seeding with teeth



Flock seeding with spark gap ramp



Traditional seeding with Combisem Smartsem



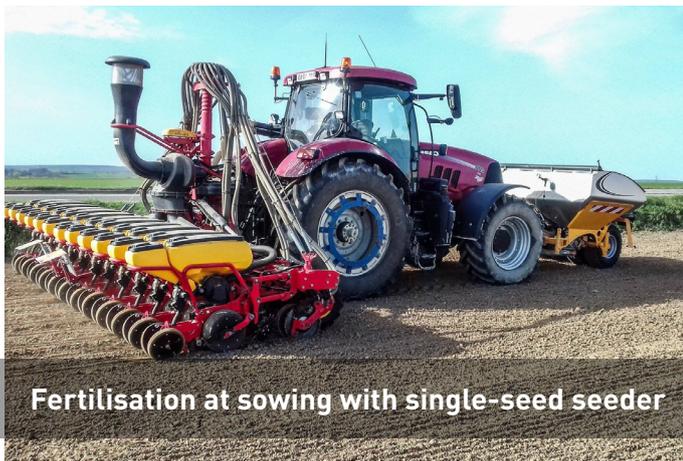
Cipan seeding with spark gap ramp on the cultivator



Tri-0-Sem direct seeding with teeth



Deep fertiliser incorporation Agromulch/ Maximulch



Fertilisation at sowing with single-seed seeder



Localised fertilisation /seeding of covers with Stripcat



Localised fertilisation



Localised fertilisation

Combine our front hoppers with other AGRISEM machines:

- MULTI-TILLAGE
- VIBROSEM
- TRI-O-SEM
- DISC-O-MULCH
- SMARTSEM
- MAXIMULCH / AGROMULCH
- STRIPCAT
- FERTILL

Accessories



The use of the front hopper allows to ensure and optimum balance of the tractor, without requiring heavy ballast at the front of the tractor. To improve the mass distribution, the DSF can be

optionally equipped with the 4-wheel directional front pack. If needed, an extra mass kit (8x35kg) can be added.



The DSF are also equipped with reflective signs, low beam, position lights and flashing lights to ensure a safe transport. Some LED work lights are also available and an analogue camera as well. A step allows secure access and loading. Some stands facilitate the storage.

THE SOLUTION TO MULTIPLY THE POSSIBILITIES

The front ramp kit

The front ramp kit integrated into the front hopper allows to multiply the solutions of uses for the sowing of intermediate crops, the localised spreading or the crop flock sowing of flock of culture.

This equipment is available with various versions of widths, several types of spark gaps according to the need.



The front ramp kit can be adapted on the whole range of front hoppers, from 3 to 12 m large.

Specifications

	DSF 1000		DSF 1500	DSF 1600			DSF 2200		
Hopper capacity	1 000 L		1 500 L	1 600 L			2 200 L		
Outlets (number and Ø)	1x90	2x70	2x90	2x90	4x70	4x90	2x90	4x70	4x90
Metering units	1		1	2			2		
Number of engines for the distribution	1		1	1 (2 optional)	2		1 (2 optional)		2
Computer	A-Controler			Isobus			Isobus		
Air flow	700 L/h		1400 L/h	1 600 L/h	2 800 L/h		1 600 L/h		2 800 L/h
	Hydraulic driven fan with								
Flow rate	26 L/min		26 L/min						
Front-Pack	Optional			Optional					
Pneumatic	4x 7.00-12			4x 11,5/80-15,3					
Coupling	CAT. 2			CAT. 2					
Hopper width	1,90 m		1,90 m	2,50 m			2,80 m		
Filling height / with Front-Pack (m)	1,34 m / 1,60 m		1,44 / 1,70 m	1,22 m / 1,28 m			1,33 m / 1,39 m		
Empty weight (kg)	515 kg		554 kg	850 kg			885 kg		
Empty weight wih Front-Pack	772 kg		811 kg	1 310 kg			1 345 kg		

DSF 2500	DSA 1600			DSA 2200			DSA 3200		
2 500 L	1 600 L			2 200 L			3 200 L		
2x100	2x90	4x70	4x90	2x90	4x70	4x90	2x90	4x70	4x90
2	2			2			2		
2	2			2			2		
Isobus	Isobus			Isobus			Isobus		
3 500 L/h	2 000 L/h		3 000 L/h	2 000 L/h		3 000 L/h	2 000 L/h		3 000 L/h
flow regulator (need a hydraulic fonction + free return)									
30 L/min									
	-								
	-								
	CAT. 3 / CAT.4N / CAT 4								
2,80 m	2,50 m			2,80 m			2,80 m		
1,48 m / 1,59 m	1,34 m			1,45 m			1,70 m		
1 010 kg	1 200 kg			1 280 kg			1 420 kg		
1 470 kg	-			-			-		



535 rue Pierre Levasseur - CS 60263
44158 ANCENIS - FRANCE

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

www.agrisem.com
agrisem@agrisem.com

#YellowTeam



Your dealer :