

CHIEF

PRECISION PLANTER



SPECIALIST OF THE
PRECISION SEEDER

TECHNOLOGY



2015 First mounted



2016 9m mounted precision planter



2018 Telescopic frame



PRECISION PLANTER SINCE 2015



2021 Distribution with
centralised hopper
FILLin1





The **CHIEF, AGRISEM's** precision planter, is the result of 8 years of experimentation and development. It uses the **Precision Planting** technology. This seeder considers the actual challenges the farmers are facing. It provides a **complete**, flexible and **efficient solution** with remarkable accuracy.

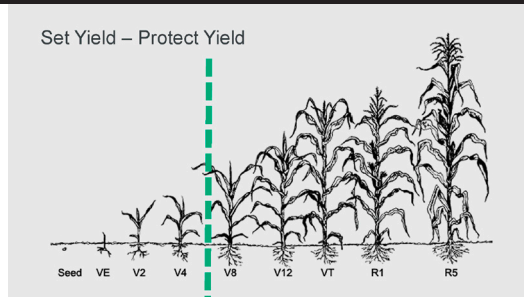
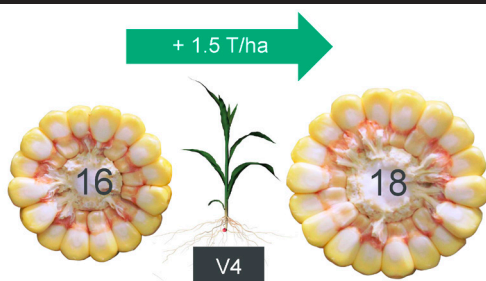
In addition to its advanced features, the **CHIEF**, frames and equipment for solid and liquid fertilization. Our **3D fertilisation** technology allows for all the **possible fertilisation positions** around the seed.

It is also equipped with advanced sensors and software ensuring that each seed is implemented at the right depth, with the right spacing, thus maximising the germination rates and the crops potentials. The monitoring system allows an interaction with the user in order to adjust and to **optimise the planting and fertilisation conditions in real time**.

These technologies can also be equipped on your old seeders, thus it is a cost-effective solution for farmers who want to upgrade their equipment.

The **CHIEF** has unparalleled advantages:

- 1 Improved yields: the **CHIEF** allows farmers to plant seeds at the optimal depth, with the optimal spacing and timing, resulting in more consistent plant emergence and higher crops yields.
- 2 Reduced cost of inputs: with the **CHIEF**, the quantity of seeds, fertilisers and herbicides is optimised, which results in cost savings.
- 3 Better use of resources: the **CHIEF** enables a more efficient use of resources, including water and nutrients, resulting in more sober agricultural practices.



- 4 Increased profitability: by improving the crops yields, and by reducing the input costs, the **profitability of the farming operations increases**.
- 5 Improved environmental quality: precision seeding reduces the use of inputs, and optimises the use of the resources, thus the farmers can limit their environmental impact and promote **more sustainable farming practices**.
- 6 Reduced labour requirements: precision seeding **reduces the need for labour**, allowing the farmers to work more efficiently.

THE CHIEF: A CONCENTRATION OF ADVANCED TECHNOLOGY



20|20® Seeding controller 3rd Generation

The decisions made at the time of the seeding are crucial. Each step of the crop cycle needs some accurate data to provide indications about the decisions to take. With the right data, you can take the right decisions in real time, for the next season and thus for the future of your farm.

High Definition Agronomic Technology The high definition data allows to take decisions with significant impacts. The new 20|20 monitor provides the most advanced agronomic image. Optimise your decisions about seeding, harvesting and fertilising thanks to a smart and intuitive interface that allows you to see the performance and the field conditions in real time; seed by seed, plant by plant, drop by drop.

From the knowledge to the ultimate control The 20|20 console can be used to provide you with the most accurate yield data from the field, and with information allowing you to adjust the seeder in order to maximise the implementation conditions of your seeding. However, it can also pilot the most advanced agronomic systems on the market that control the population, the pressure on the elements, the liquid fertilisation, the seeding of several hybrids and the high-speed seeding. While analysing the furrow, it monitors the seeding quality, checks the pressure of the element, of the downforce and also check the fertiliser or sprayer flow rates. The 20|20 does all this and allows you not only to have accurate data to take crucial decisions, but also to automate the adjustments of your equipment in order to value your decisions for each operation.

vSet2® Full electrical selector

The traditional seed distributions require a continuous adjustment to seed accurately, resulting in gaps, duplicates and, ultimately, loss of yields. The vSet seed distributions accurately separate the seed without any adjustment, allowing a perfect positioning of the seeds in your whole field.



The distribution performance is a key factor of the yield.

Are you using some seed treatments or some inoculants? Is the seed not always properly calibrated? Reaching a satisfying accuracy of the seeding is a must. Not all the distribution can handle these inconsistencies in terms of seed shape, size and density. vSet has more than 99% accuracy for maize!

vSet uses a vacuum system and powerful selectors to properly dispense the seeds of various sizes and shapes. It is not always required to change the disc, nor the selector settings or vacuum.

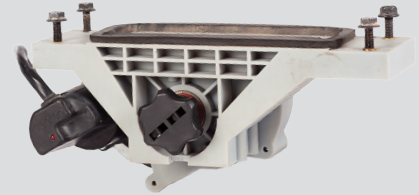
vDrive® Row by row cut



vDrive is a maintenance-free electric drive system that allows you to easily seed without the problems of a mechanical drive system. You also control the population density according to the potential of each area.

vDrive insecticide® Variable Rate Insecticide Dispenser

Control the insecticide flow depending on the speed and your needs.



A SEED FOR EVERYONE

Maize



Sunflower



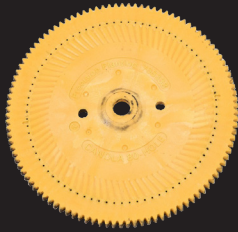
Soy



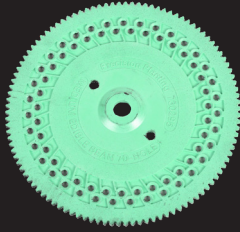
Soy X2



Rape



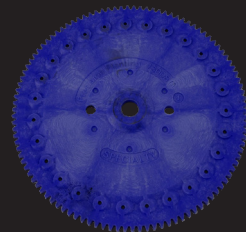
Bean



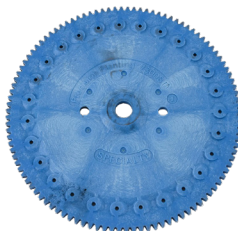
Bean



Broad



Sorghum



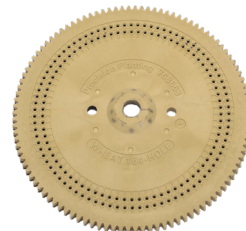
Cotton X3



Cotton



Wheat



Beetroot



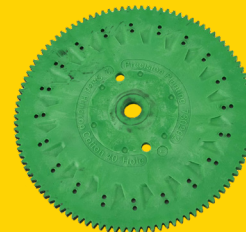
Peanuts



Squash



Peas



MOUNTED FRAME

- **Mounted frame**

From 3 to 9m



- **Mounted folding frame**

From 4,2 to 6,5m
and 2,9m on the road



- **Mounted folding frame HD**

From 6 to 9m and 2,9m
on the road



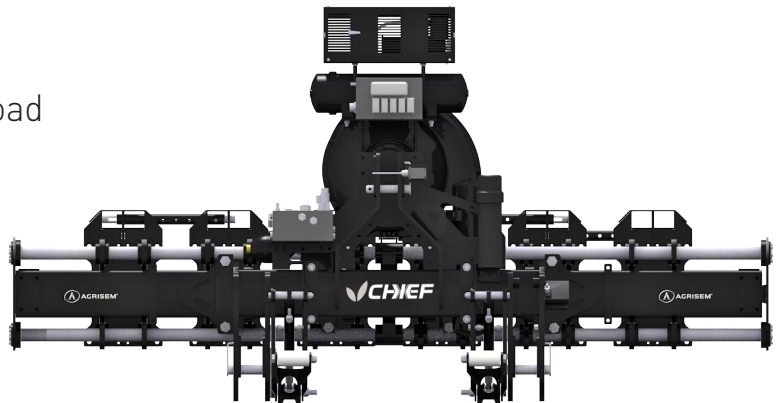
- **Butterfly frame**

From 4,2 to 6,5m and
2,9m on the road



- **Expandable frame, 6 row**

Variable spacing from 40 to 80 cm
From 3 to 4.9 m and 2.9 m on the road



- **Telescopic frame**

From 3.5 to 4.7 m and 3.5 m
on the road



FRAME ACCESSORIES

- **Centralised hopper distribution**

Tank of 700 to 1,200 L

- **Liquid holder**

- **Liquid tank mount**

- **Distribution head kit**

(up to 12 rows)

- **Markers kit**

- **3-point hitch**

- **Rear linkage**

For trailed kit

- **Load transfer**

Mounted frame

- **Gauge wheel**

Number according to request, fixed or adjustable.

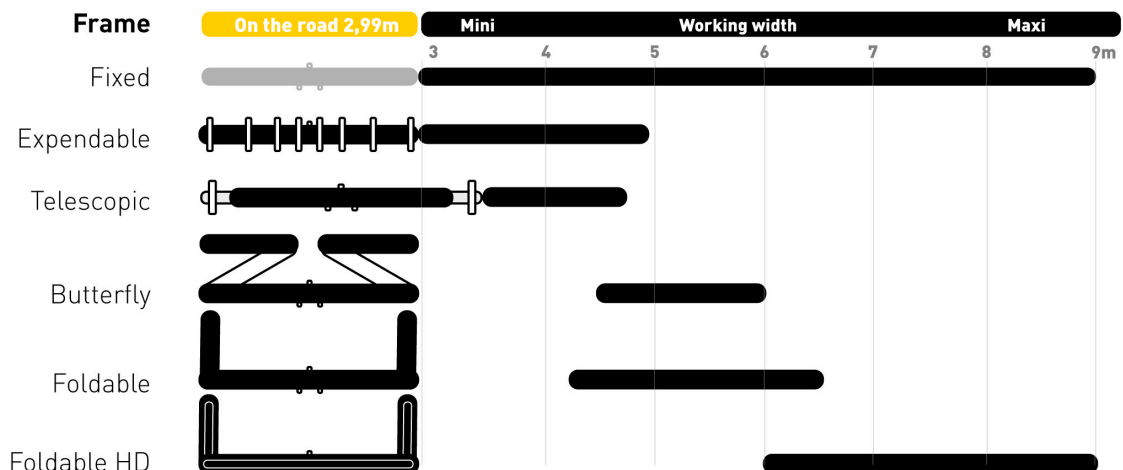


- **APV Support**

Mounted frame



FRAME SIZE



LIFT ASSIST & TRAILED FRAME

■ Lift Assist Frame

Up to 9 m and 2.9 on the road
Lifting assistance for mounted frame



■ Light trailed kit

Up to 6.5 m and 2.9 m on the road
• Without tank or
2 built-in tanks of 300 L
or built-in tank of 1050
+ 750 L for 2 products
Compact machine



■ Trailed kit

Up to 6.5 m and 2.9 m on the road
The most complete trailed frame



UNIT **CHIEF**

- **FieldView®* iPad Application**

Add-on to the 20/20 console, for the data analysis, GPS or real-time visualisation of the row status from your desktop



- **20/20® Seeding controller 3rd Generation**

Global vision interface, real-time calculation of the singulation, ground pressure, spacing, yields. Control of the seeder



* Subject to the subscription of FiledView®

High capacity hopper
From 56 to 100 L
Single or bi-compartment

Hydraulic parallelogram long travel

Choice of opening

Choice of closing wheels



Wheels 400x110
Steel

Body made of high density cast iron

- **Doseur et accessoires**



insecticide dosing unit

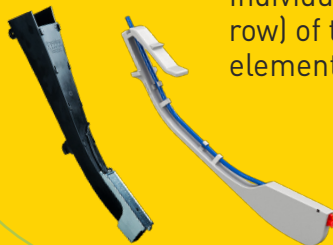


vSet2®
Metering/Full electric selector

Built-in Precision Planting® Hydraulic depth control
Individual measure (row by row) of the pressure of the element



HF Wave Meter
Enables an extremely accurate real-time measure



Downforce + Nitrogen
The help of the gardener

■ **20/20®**
Seeding controller
3rd Generation



■ **FurrowForce®**

Dual effect closing system. The pressure sensor allows to adjust the strength of the downforce row by row according to what has been defined on the 20/20. Depending on soil moisture, a greater or lesser downforce will be applied to control the evaporation and manage the soil density around the seed.



■ **DeltaForce®** Automatic depth control: with one stress sensor and one hydraulic cylinder per row, it ensures that all the seeds are planted with the optimal pressure for depth control, thus ensuring a constant depth while eliminating the compaction of the furrow edges



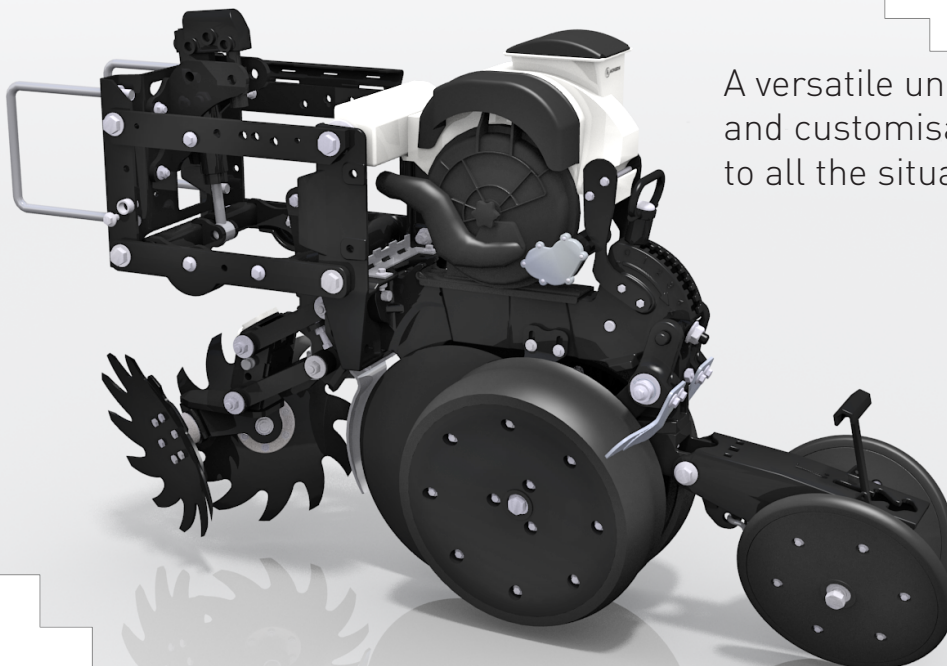
■ **AirControl**

Pneumatic depth control with individual ground pressure sensor. It allows a row by row control from the cabin.



■ **CleanSweep®**

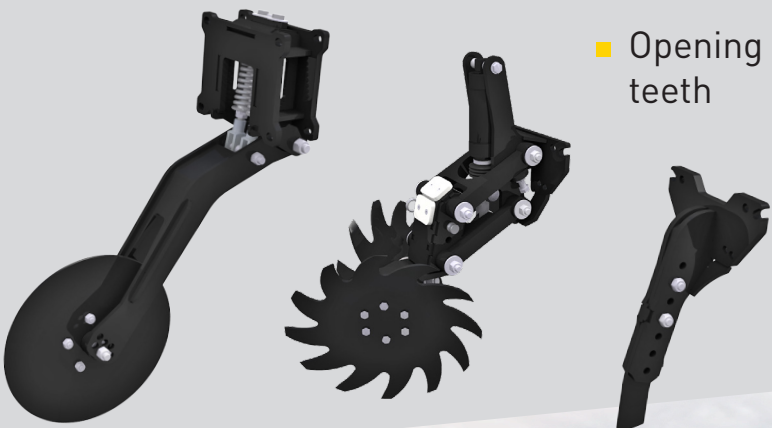
Setting the ground pressure of the trash wheels from the cabin on the 20/20 console.




A versatile unit configurable and customisable to adapt to all the situations

ROW ACCESSORIES

No-Till Full Options


- Opening disc
 - Floating trash wheel
 - Opening teeth
- 

No-Till Simple

- Combo opening disc + fixed row cleaner
 - Adjustable row cleaner
- 

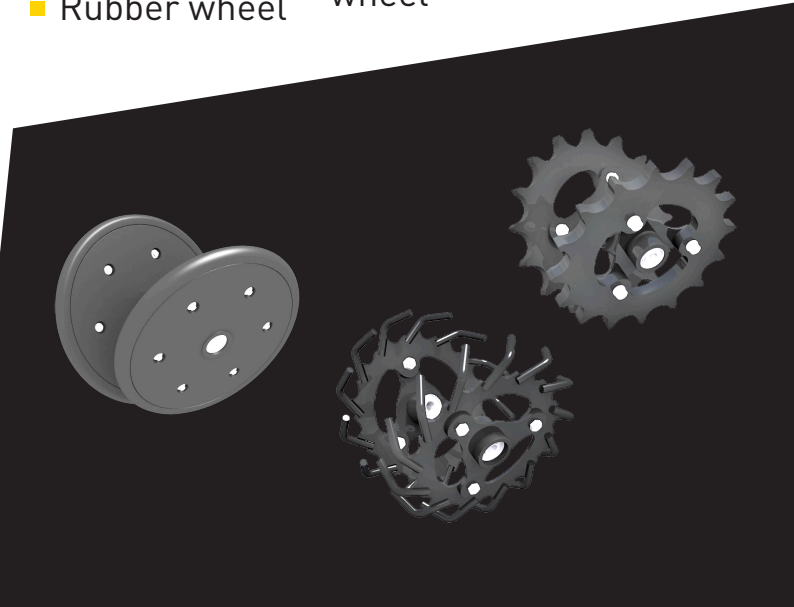


Clod clearers

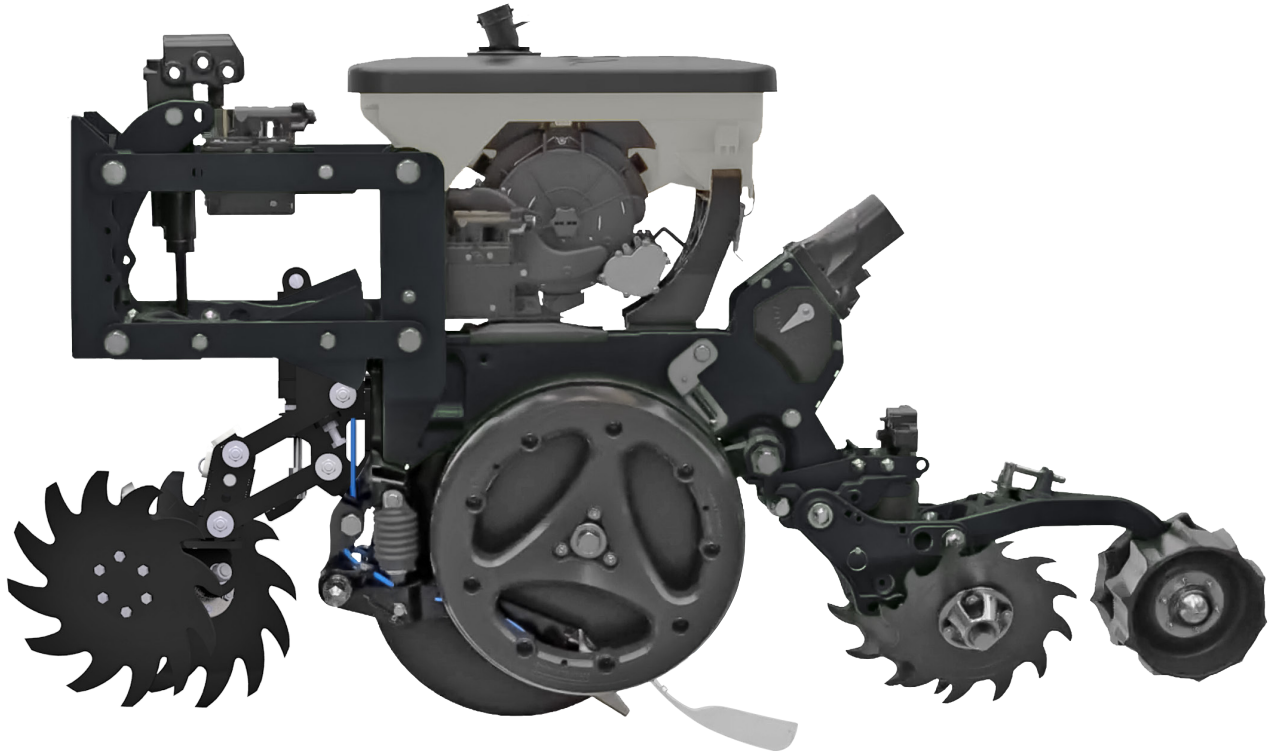
- Adjustable
 - Floating
- 

Closing wheel

- Rubber wheel
- Finger wheel
- Picot wheel

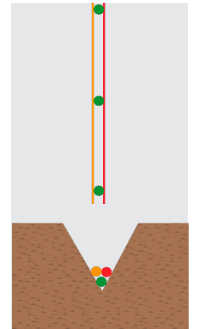
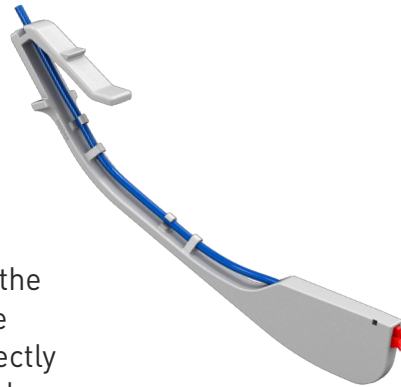


LIQUID FERTILISATION



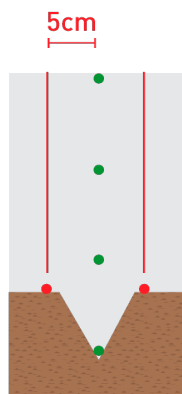
Keeton® Fertiliser & insecticide injection

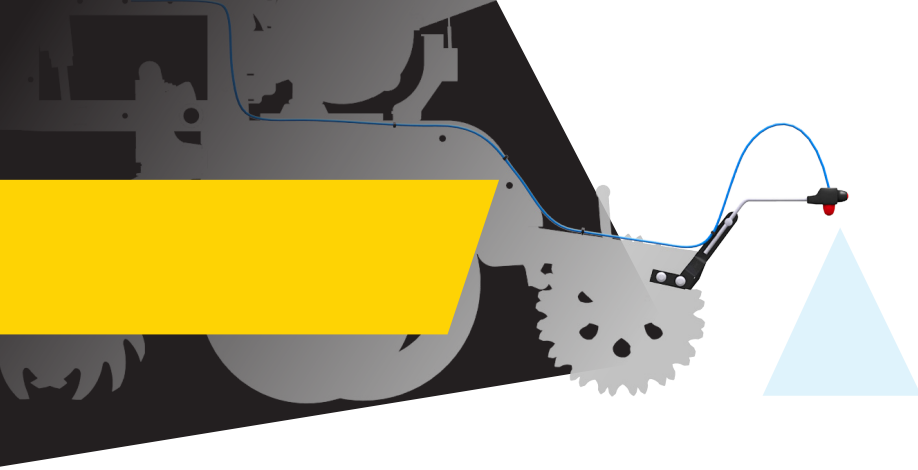
The Keeton tabs press each seed at the bottom of the furrow for an optimal contact. It can also apply one or two liquid products, fungicides or fertilisers directly on the seeds or with a separator to divide the liquid flow.



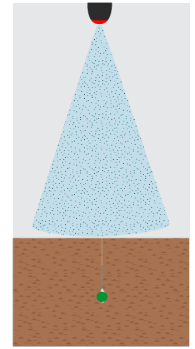
Applicator on FurrowForce®

Application of the fertiliser on the surface





Cone from 5 to 30 cm

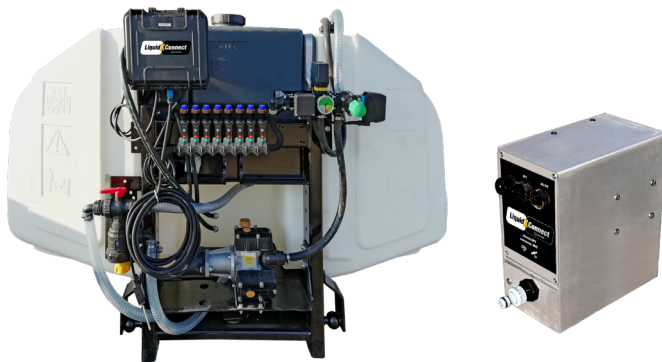


Liquid applicator in strip.
Adjustable diameter of application from 5 to 30 cm



Regulation

15 or 75 l/mn (combinable from 15 to 150l/ mn), Wifi connection, GPS and in cab control by application on tablet



- Cut row by row

Liquid tank

Single or bi-product from 700 to 2200 L



- **Liquid fertilisation kit**
Wilger Flow Controller

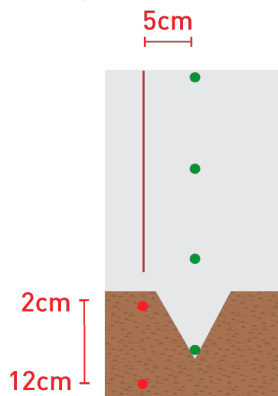


SOLID FERTILISATION

Solid applicateur

● Solid applicator for the nitrogen or any other fertiliser

- The fertiliser is buried 5 cm from the row and at a depth between 2 and 12 cm.
- Pneumatic control of the penetration.
- Adjustment of the depth without tools.
- The decompressor allows to control the fall and to avoid jams.



DSF/DSA

Front or rear tank. Capacity of 1000, 1600, 2200 or 3200 L.
Electric or hydraulic engine (1, 2 or 4 outputs).
Control box.
GPS speed input.

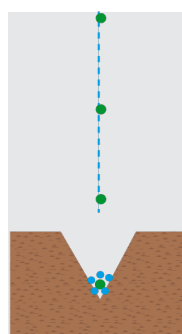


Insecticide bin

Micro insecticide or slug control. Single or dual compartment, with dose modulation. Cut row by row

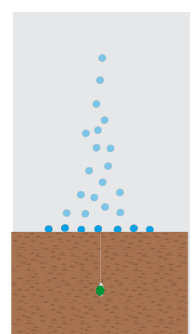
Insecticide

● Application around the seed



Slug control

● Application on the surface



ONE CHIEF FOR EACH FARMER





BELIEVE IN **BETTER**



WITH THE **CHIEF** PLANTER

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