

# STRIPCAT



THE STRI-TILL SPECIALIST

Strip-Till

Drill

Fertilise



# STRIP-TILL

## WHY STRIP-TILL ?

Working the soil over an entire field becomes very costly in terms of energy and working time. The strip tillage technique is the meeting point of no-till and full tillage. It is facilitated by GPS guidance technology. We work and fertilize only the future row of the crop to be planted, at the same time the inter-rows remain covered with residue. Thus the soil structure is preserved to maintain the advantages of direct no-till. The STRIPCAT is used alone or combined to allow farmers to maintain a high production objective while significantly reducing their working time and mechanization costs. It also helps preserve their soils and biodiversity.



## STRIP TILLING OFFERS THE SAFETY OF CONVENTIONAL TILLAGE AND THE SAVINGS AND AGRONOMIC ADVANTAGES OF NO-TILL

- ✔ Reduced fuel consumption up to 50L/ha
- ✔ Reduced fertiliser rate up to 30% thanks to localisation
- ✔ Improved water efficiency
- ✔ Improved soil warming compared to direct seeding
- ✔ More even stand
- ✔ Faster establishment
- ✔ Improved root system
- ✔ Easier management of cover crop

## GROW MORE WITH LESS! WHICH CROPS...



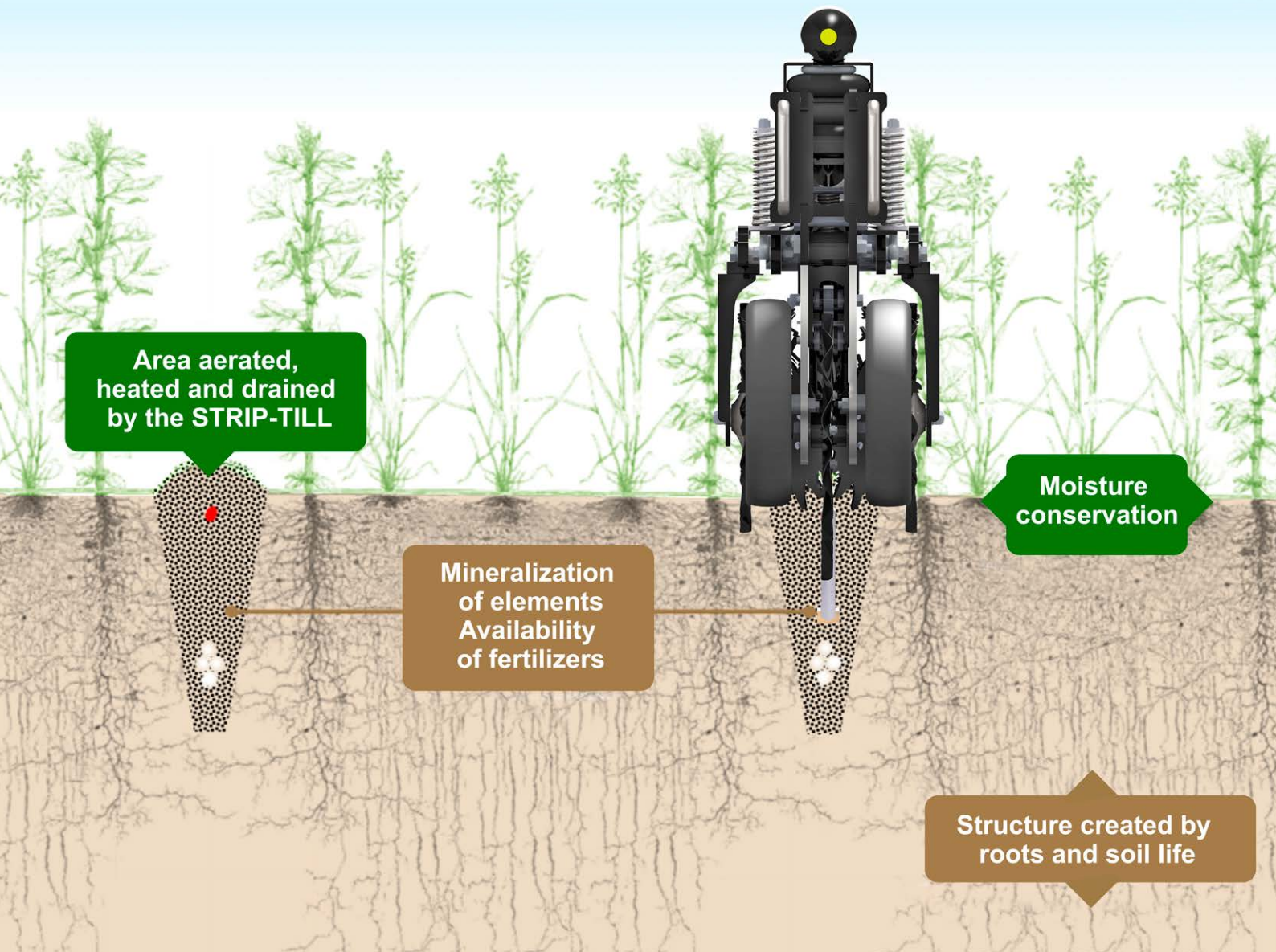
## WHAT IS STRIP-TILL ?

Strip-till is a conservation system which uses minimum tillage. It combines the soil-drying and warming benefits of conventional tillage with the soil-protecting advantages of no-till by disturbing only the portion of the soil that is to contain the seed row.

Strip-tilling works by creating a pathway and seedbed through the previous crop residue. Unlike other techniques, it moves the residue between the tilled rows to protect the soil. The strip-till makes a strip from 10 to 20cm wide and 5 to 30cm deep.

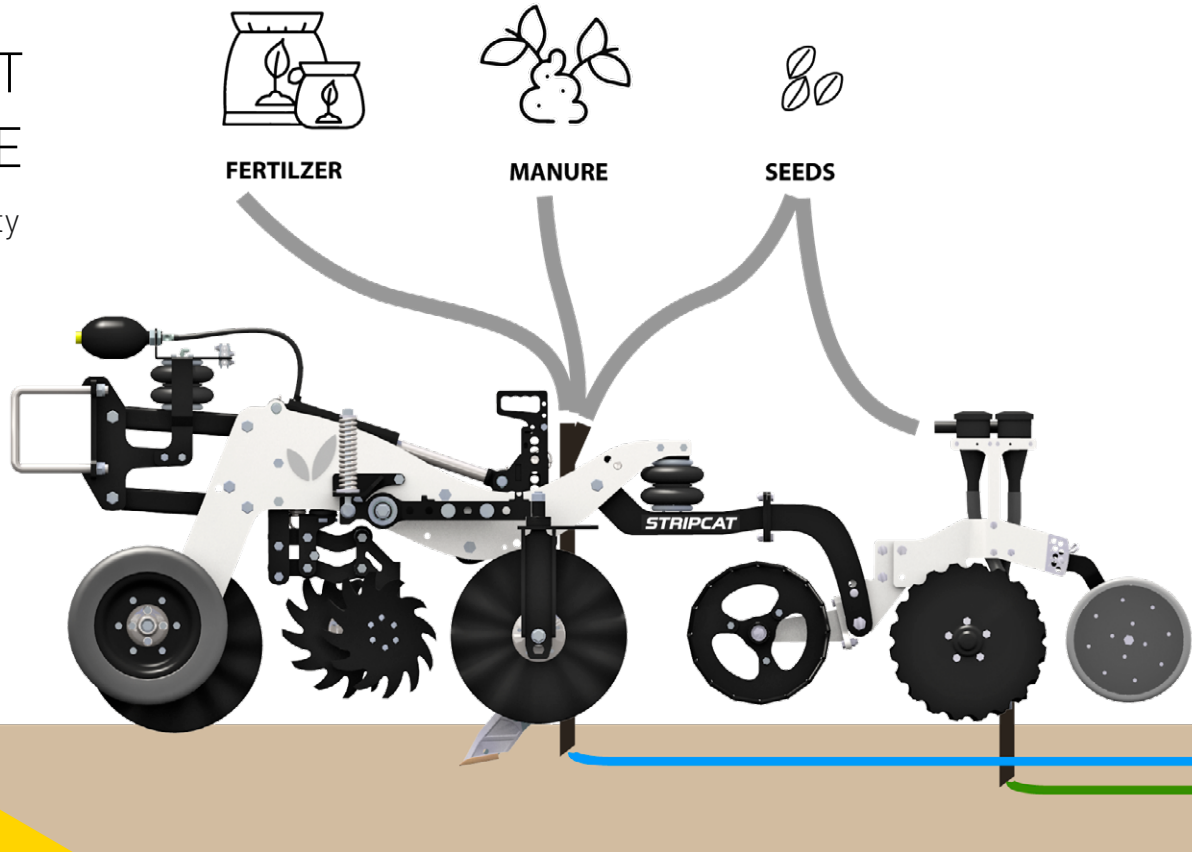
Strip-till time will depend on soil type, like in conventional tillage:

- heavy land (>20% clay): autumn strip-till
- light soil:  
spring strip-till



# LE STRIPCAT IN PRACTICE

Tillage and versatility



## 4 operations in a single pass:

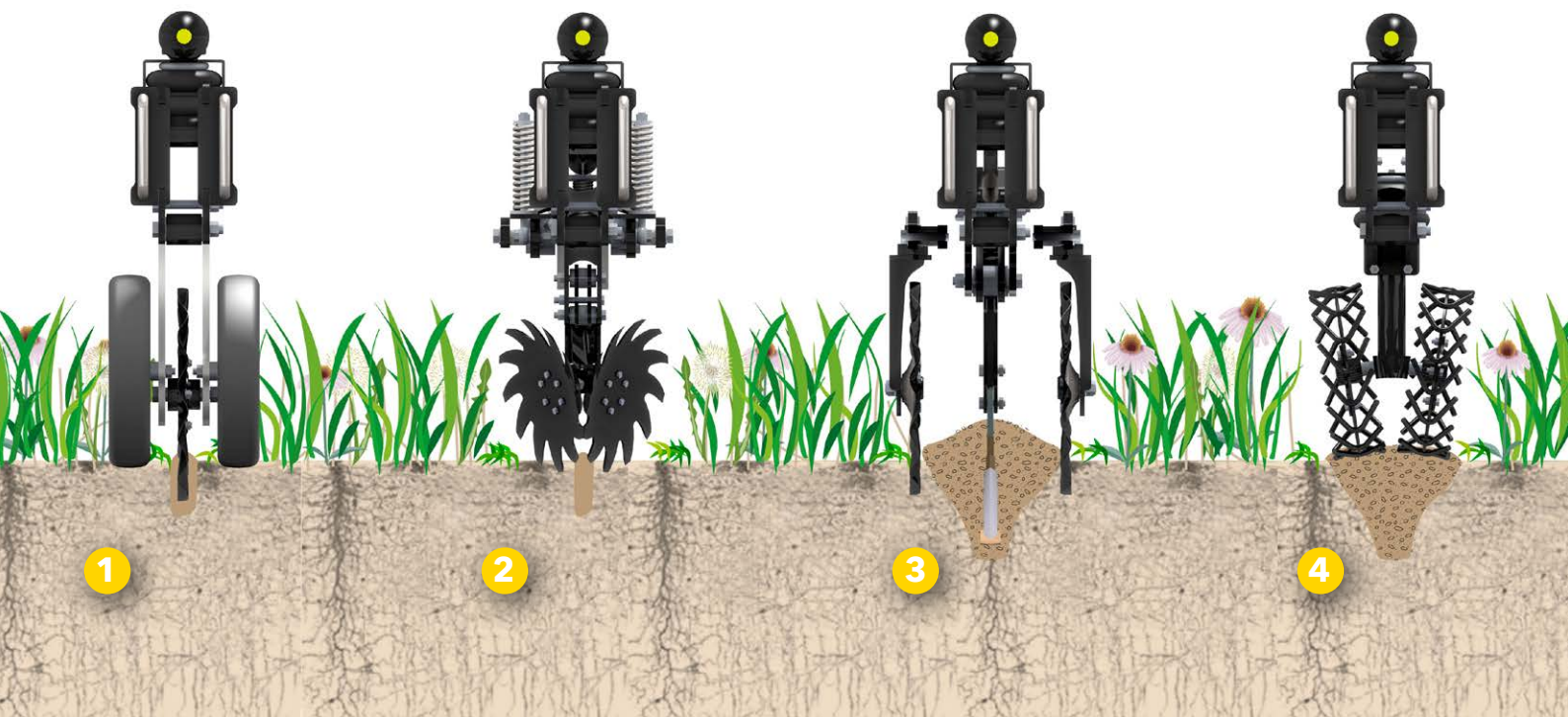
Ground tracking with pneumatic parallelogram and side wheels

The opener disc cracks the ground

Cleaning the seed band with the floating trash wheels on parallelogram

Depth cracking, up to 25 cm and formation of birms with the adjustable discs

Tamping of the strip with finger wheels and pneumatic pressure control





## MANY POSSIBLE CONFIGURATIONS

- STRIPCAT range from **3m to 12m**
- Mounted frame or trailed
- From **4 to 24 rows**
- Spacing : **From 45cm to 80cm**



Combinable version mounted or trailed



Slurry Injection kit  
Solid or liquid Fertilization



Seeding unit single (ex. rapeseed) or double row (ex. wheat)

## ADVANTAGEOUS CARBON MANAGEMENT



Better efficiency of localized fertilization, with a possible dose reduction

→ - 125 to 315 kg eq. CO<sub>2</sub>/Ha

A reduction in fuel consumption at the establishment, to reduce the carbon impact

• Strip-Till fall + superficial recovery in spring (GNR consumption ≈ 11+5L/Ha)

→ 52 kg eq. CO<sub>2</sub>/Ha

• Winter plowing + cultivator recovery + rotary harrow (GNR consumption ≈ 18+9+10L/Ha)

→ 120 kg eq. CO<sub>2</sub>/Ha

Introduction of intercropping cover in summer, a simple technique for storing carbon

• Dethatching/seeding

→ 16 kg eq. CO<sub>2</sub>/Ha

• Carbon storage by the cover (≈ 0,15TC/Ha)

→ - 550 kg eq. CO<sub>2</sub>/Ha

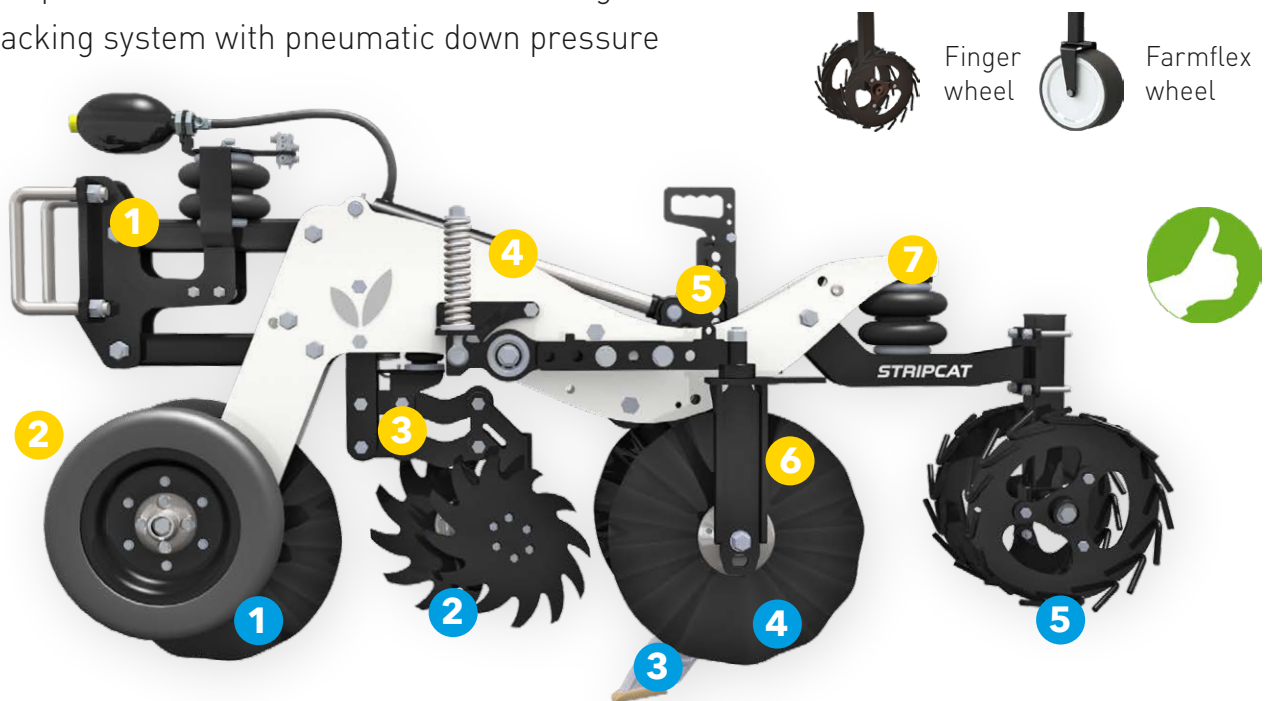
• Destruction/incorporation

→ + 19 kg eq. CO<sub>2</sub>/Ha

**Result: - 515 kg eq. CO<sub>2</sub>/Ha**

# ROW UNIT

- 1 Parallel linkage with adjustable down pressure
- 2 Gauge wheels
- 3 Trash wheels (option: pneumatic parallelogram mount)
- 4 Non-stop hydraulic tripping (option)
- 5 Depth setting without tool
- 6 Independent birm builders with variable angle and width
- 7 Packing system with pneumatic down pressure



- 1 DISC OPENER Open the line and cut the mulch
- 2 TRASH WHEEL Clean the trash to create a clean strip (patented SUNCO sabertooth)
- 3 SHANK (6 models available) Work the soil and place dry and/or liquid fertiliser
- 4 BIRM BUILDERS Maintain the soil in place to create a nice birm
- 5 PACKING WHEEL (2 models available)

Pack the strip and crumble the soil to create an homogeneous seedbed

The advantage of the STRIPCAT is its pneumatic regulation of the elements using pneumatic lungs. The main frame beam serves as an air reserve.

Thanks to the Control-Box or an ISOBUS box, the user controls the pressure of:

the elements  
trash wheels  
packing system  
of the air reserve.



# BUILT TO WORK & LAST IN THE TOUGHEST CONDITIONS



## **New birm builders**

allow an adjustment of the angle, width, and position of the discs without tools. This system of shims allows repositioning to give a wider or narrower strip, and a row spacing down to 45cm.



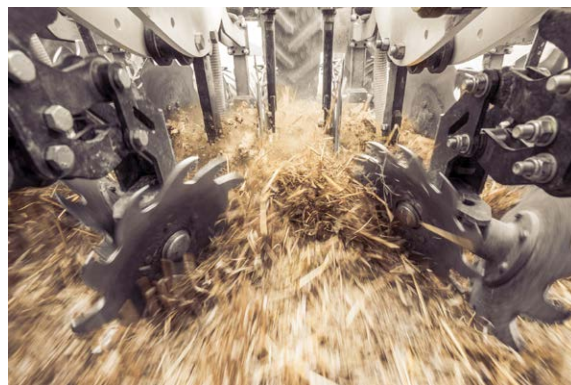
## **Tool free**

adjustment of the working depth



## **Pneumatic springs**

allow adjustment of both down pressure on the parallel linkage and lighter or harder packing on the rear.



## **Floating SUNCO trash managers**

adjustable from the cab

## **Patented teeth and chisel spikes**

Wear points adapted to both liquid and solid fertilisers. Interchangeable points allow a flexible and low cost approach to maintenance. Now available with tungsten carbide tip.



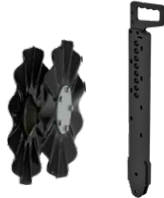


# ADDITIONAL EQUIPMENT

## UNIT

Advised for strip freshening or light strip-till applications. Mounting on shank holder, instead of the shank.

- **Dual disc kit & shank holder**



- **Flat birm builder**



- **Vibrotine Kit**



## FERTILISATION KITS

- **Tank**

Available capacity  
700, 1100, 1200,  
1500, 1850  
(2 products) or 2000L

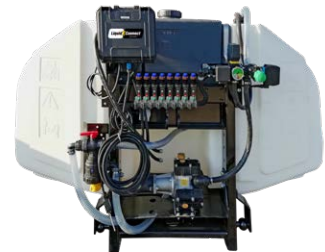


- **Liquid fertilisation kit**



- **LiquidXConnect**

- 2 models, 15 or 75l/mn
- Fittings, couplings
- GPS and on/off switch
- Software for IOS



- **Slurry Injection kit**

- Hexacut head mont
- Teeth equipment



- **Solid fertilisation kit**



## SEEDING UNITS

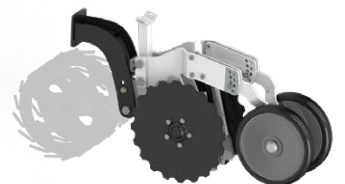
- **Single row seeding unit**

Centered or offset seeding. Packing wheel measurements: 300x100mm

- **Twin row seeding unit** Seed in the edges of the strip for dual cover crops or rape seed: spacing from 17 to 23cm. Packing wheel measurements: 300x50mm

- **Twin row (no bogie)**

Allow you to seed while leaving a smooth birm (autumn work).



Bogie seeding system tailored to rape or cover crop seeding. Can be mounted with packing unit or without to leave a smooth birm fall tillage.

## FRAME EQUIPMENTS

### ■ Hopper

Please consult us for further information



## OPTIONAL FRAME

### ■ Three point hitch mounted folding frame

From 3 to 9m, 2,9m on the road



### ■ Trailed kit

Up to 6m



### ■ Lift Assist

Up to 9m



### ■ Trailed Folding frame

Over 6m





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