

SULKY® X40+ / X50+

>08/2015-GB  
406022-10



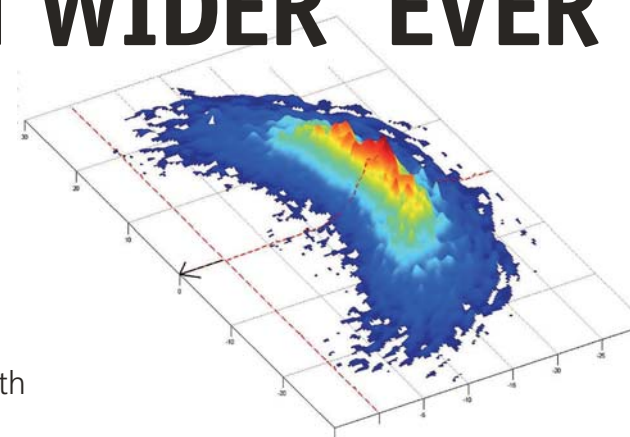




# RANGE X40<sup>+</sup>/X50<sup>+</sup> : EVEN WIDER EVER



- ✓ SULKY is the 1st manufacturer in the world to have worked on the rotary testing bench called CEMIB. This development has revolutionised the understanding of "wide width" centrifugal spreading.
- ✓ Discover quickly the innovation that is ECONOV. It manages precisely the fertilizer spreading pattern taking into account the real shape in croissant. This reality of spreading provides a genuine progressive management of both the left and right hand side of the spreader.



***Say « STOP » to over and under application in headlands and triangular fields !***





# GREATER !

## Contents

• X40+ / X50+: « giant » of spreading .....	4/5	• ECONOV: the most technological section cut-off on the market.....	22/25
• Four equipment levels: you are all concerned! .....	6/7	• Independent Right/Left modulation by GPS: You've been waiting for it.... SULKY has produced it.....	26/27
• Accuracy of spreading pattern: more than words.....	8/9	• FERTITEST® and RTS device .....	28
• Results.....	10	• A production site with a «French tech» signature .....	29
• When setting of « wide width » becomes a breeze!.....	11	• In painting, a new long-term layer for protection for perfect machines in time! .....	30/31
• The « puzzle » of border settings is over! .....	12/13	• Equipment specially for your daily work .....	32
• Control the rate/ha is not anymore a luxury!.....	14/15	• Characteristics of your X40+ or X50+ .....	33
• Sulky Electronics .....	16/17	• XT Trailed fertilizer spreaders: a range simply impressive .....	34/35
• Weighing regulated from the 1st kg spread .....	18/19		
• STOP&GO: simple automatic right/left cut-off.....	20/21		

# « GIANT » OF SPREADING

**X40+** From 12 to 44m  
working width<sup>(1)</sup>



**MODEL 1,900 I**



**MODEL 2,500 I**

**Payload: 3,000 kg**  
**1,900 L • 2,500 L • 3,000 L**

(1)With a fertiliser with physical quality adapted for wide width spreading



**X50+** From 24 to 50m  
working width<sup>(1)</sup>



**MODEL 2,400 I**



**MODEL 3,200 I**

*(here equipped with automatic weighing)*

**Payload: 4,000 kg**  
**2,400 L • 3,200 L • 4,000 L**

(1)With a fertiliser with physical quality adapted for wide width spreading



## CONTROL : Equipment levels which concern ALL of you!

### HYDRAULIC OR ELECTRICAL CONTROL



### X40+ / X50+

Hydraulic or electrical control of the outlet shutters

- TRIBORD 3D border device



Vision console and its remote control

### X40+ / X50+ W weighing

Electrical control of the outlet shutters

- Weighing with 10-ton load sensor, angle sensor and T°C sensor.





SULKY ISOBUS QUARTZ  
800 terminal



Another brand  
ISOBUS terminal

## X40+ / X50+ W Stop&Go

Automatic opening/closing of  
shutters in headlands

- Equipment for the W weighing version
- Guidance bar and GPS antenna

## X40+ / X50+ W Econov

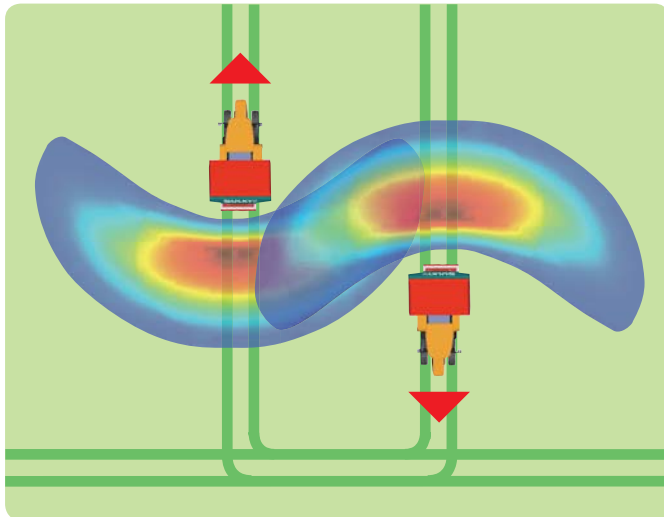
Automatic control of the spreading  
area in sections

- Equipment for the ECONOV weighing version
- From 6 to 12 sections depending on the control terminal chosen
- Control of the real shape of the area... in a curve, unique on the market

# ACCURACY OF SPREADING PATTERN: MORE THAN WORDS ...RESULTS !

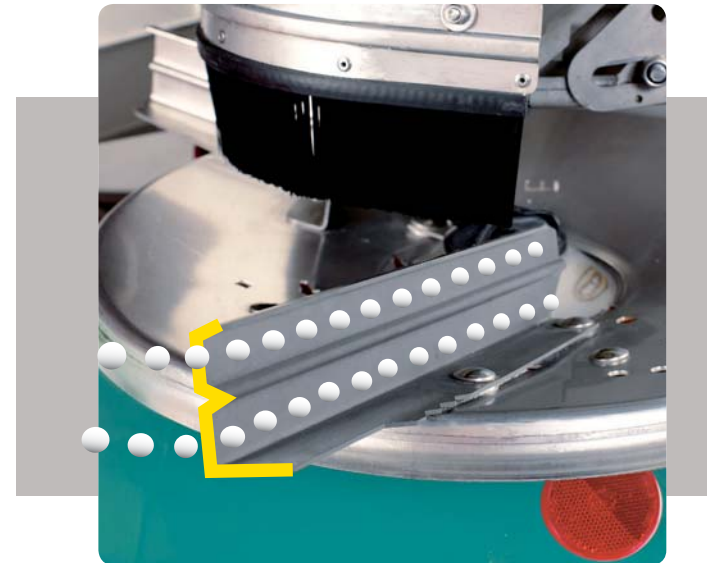


*Digital technology in the service  
of full overlapping*



- ☒ Optimum Overlapping between layers of passes
- ☒ Consistency of spreading in wide width

*4 « pure » layers of fertiliser per disc*



- ☒ Continuous pipeline of granules in 2 flows when vane's taking material
- ☒ Maintenance of this pattern throughout centrifugal acceleration whatever the rate/ha

***Vanes High Resistance EV***

*(« 18-28 m » - « 24-36 m » - « 32-44 m » - « 40-50 m » depending on models)*

***For a reliability without precedent!***

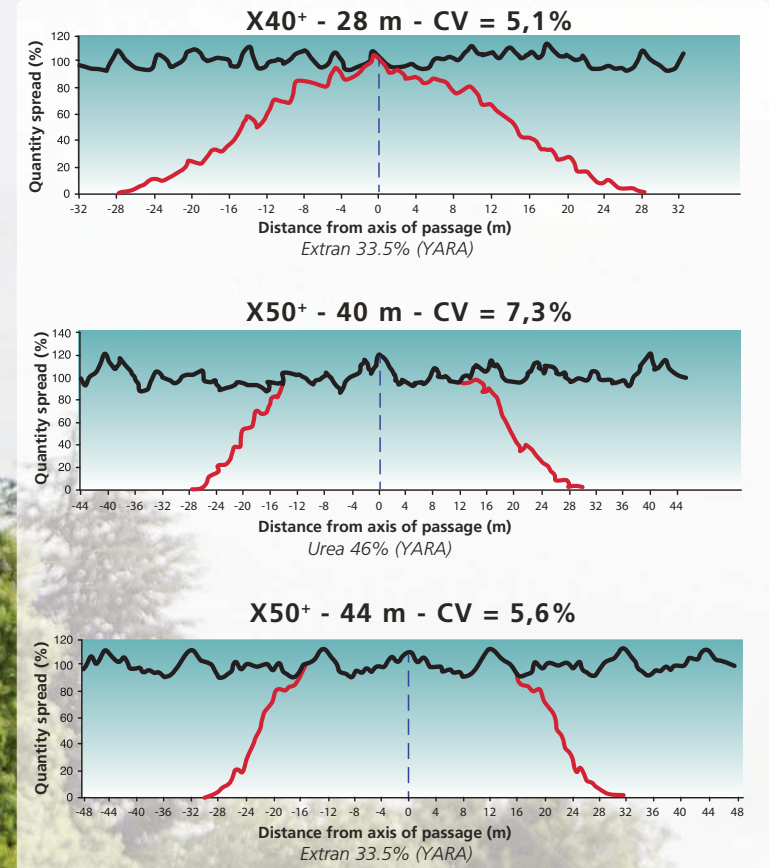






# ...RESULTS!

- ✓ Perfect overlap **spreading pattern** with coefficient of variation (CV) close to 5%.
- ✓ **Ability to very wide width up to 50m.**
- ✓ **Tolerance** to approximate settings, driving mistakes, even cross-wind.





# WHEN SETTING OF « WIDE WIDTH » BECOMES A BREEZE!



## « Continuous » width setting by adjustable spout

*Modification of placement point on the disc*



*Manual setting*



*Electric setting from the cab  
(ECONOV version)*



## *Invest on your safety!*

No gears no discs even no vanes to handle especially in late spreading for top dressing. Setting of working width is done away from moving parts, safely!

## THE ADVANTAGES :



The latest setting infos available via Internet [www.sulky-burel.com](http://www.sulky-burel.com) and your Smartphone!



# THE « PUZZLE » OF BORDER SETTINGS IS OVER!

AS STANDARD

TRIBORD 3D



CONFORM

TRIBORD 3D : N°1 in borders\*

## Top-dress your borders without leaving the tractor!

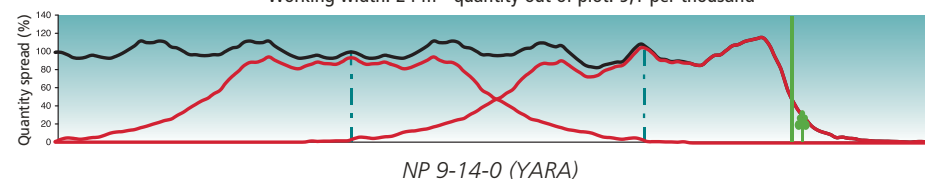
TRIBORD 3D can supply more or less a specific border vane with an electric actuator. Whether your field boundary is next to a river, a house, a road or a cultivated plot, make the border mode choice that suits you!



\*N°1 from european comparative test « borders »  
La France Agricole from 29/04/2011

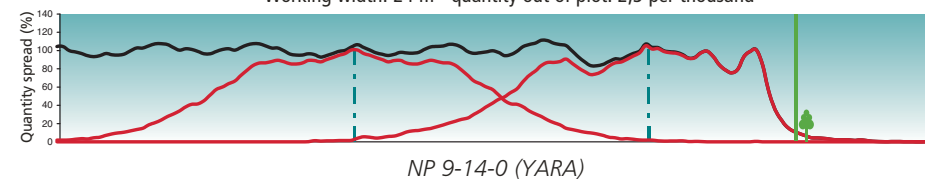
### X40+ - « eco-intensive » border

Working width: 24 m - quantity out of plot: 9,1 per thousand



### X40+ - « environmental » border

Working width: 24 m - quantity out of plot: 2,3 per thousand



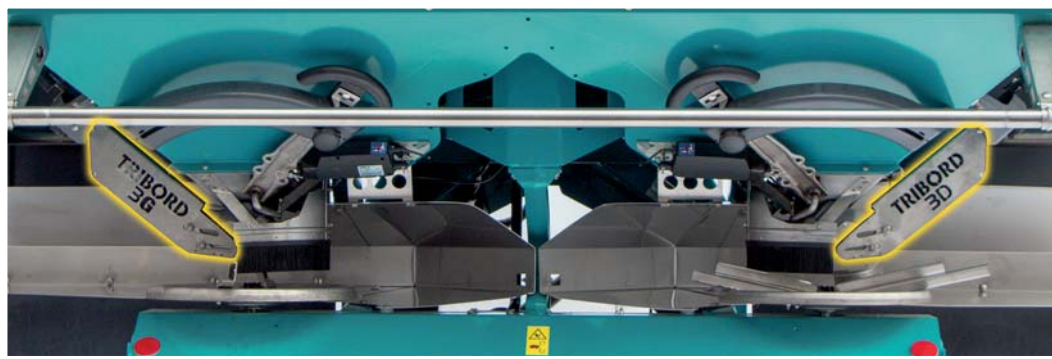




Control integrated into the control console from the W weighing version onwards

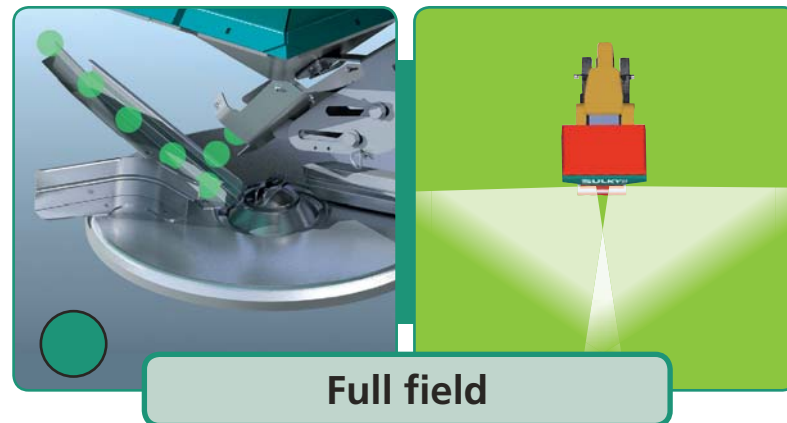
## TRIBORD 3D device = 3 positions of actuator

- **Green button : "full field" spreading**
  - ✓ Not used for border
- **Yellow button « eco-intensive border » mode**
  - ✓ Used close to a cultivated plot
  - ✓ Fertilisation at 100% of the dose up to 2m from the boundary
- **Red button : « environmental border » mode**
  - ✓ Used close to a river or a road
  - ✓ 100% of fertiliser is flowing by the border vane

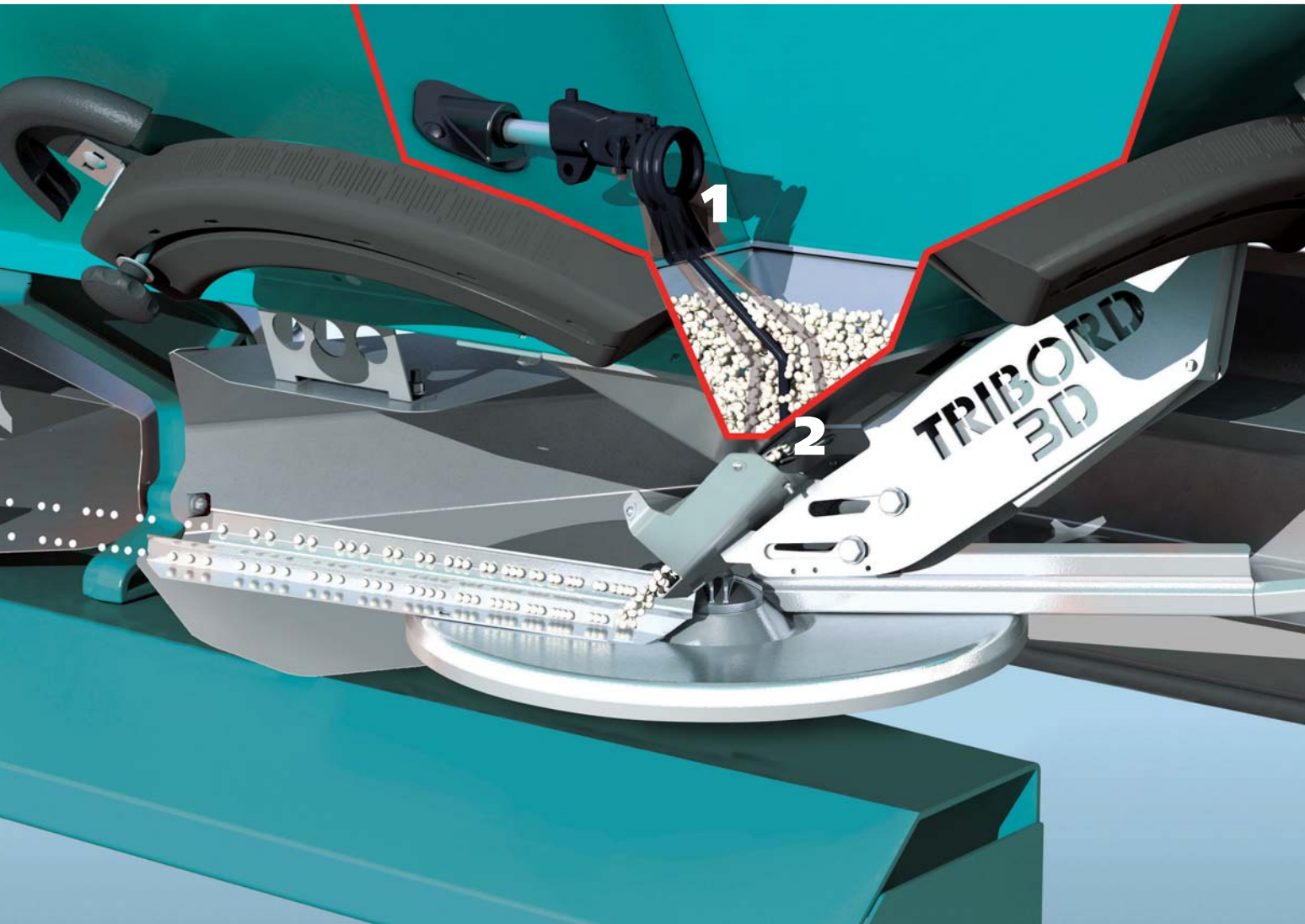


## Left AND right borders on the ISOBUS versions

- TRIBORD 3D available on the left-hand side (option) on versions controlled from an ISOBUS Terminal.
- Go round the field for the 1st time in the direction you would like!



# CONTROL THE RATE/HA IS NOT ANYMORE A LUXURY!



## **1** Oscillating rate regulator:

*Better than agitator, it is self-clutching in headlands*

**PATENT**

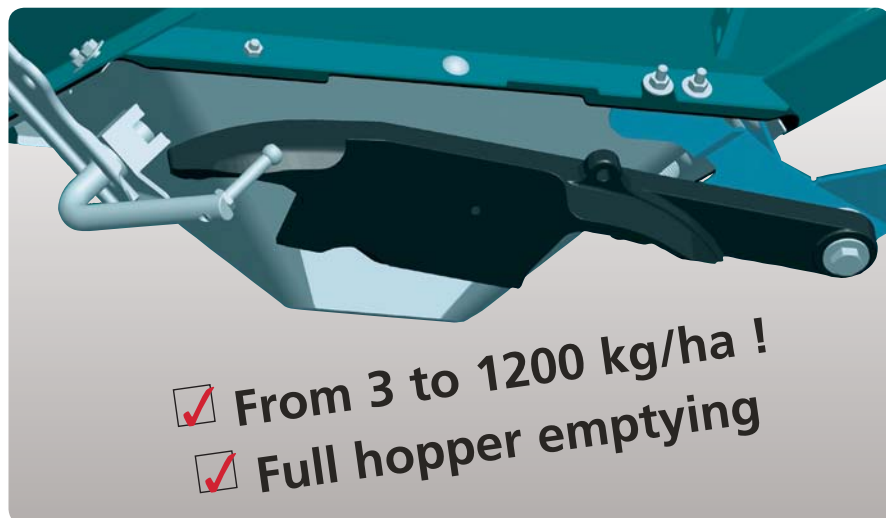
## **2** Record rate:

**Up to 520 Kg/min!**

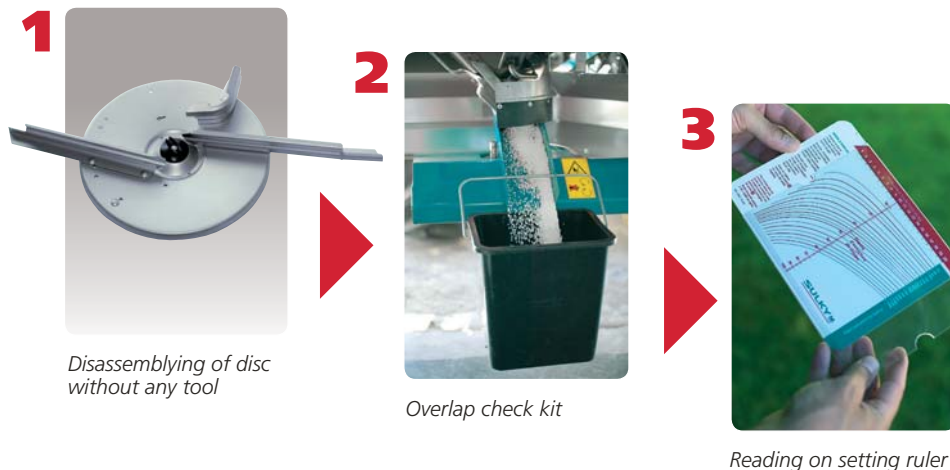




**An original shape of shutter!**



**Quick rate calibration  
(versions without weighing):**

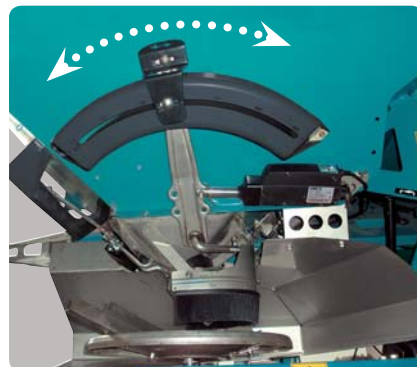


**OU**

**Two possible settings of rate  
depending on models**



Manual adjustment with ergonomic handle for models with hydraulic or electrical control



Electric setting and automatic for models weighing, STOP&GO and ECONOV



Using of setting charts available on user manual, on internet website [www.sulky-burel.com](http://www.sulky-burel.com) or via your Smartphone.

# SULKY ELECTRONICS

Sulky, the fertilising specialist, is at the forefront of technology. The X40+/X50+ range push back the limits of precision farming by offering innovative solutions: from simple weighing to section management, not to mention independent Right/Left dose modulation.



SULKY ISOBUS QUARTZ 800 terminal

## ***ISOBUS : 1 terminal does everything!***

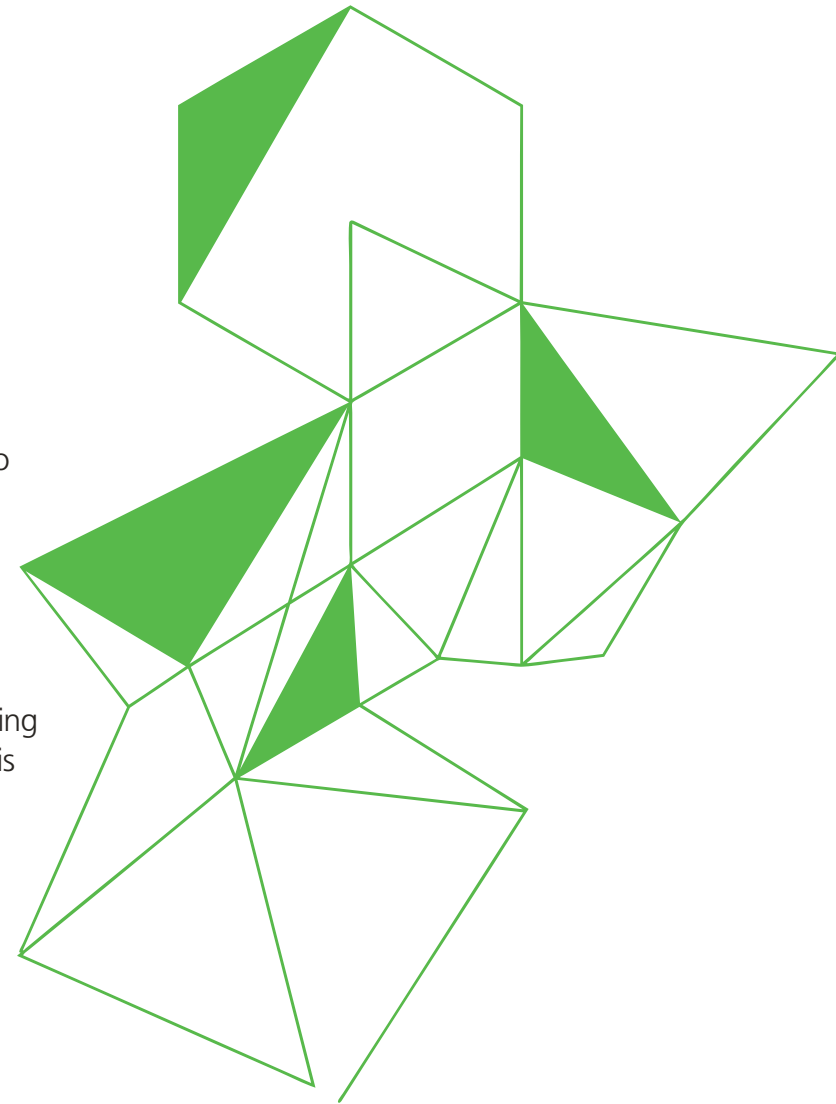
The QUARTZ 800 is the most developed of the ISOBUS terminals in terms of centrifugal fertilising. With 12 spreading sections and every possible closure combination, accuracy is always there.



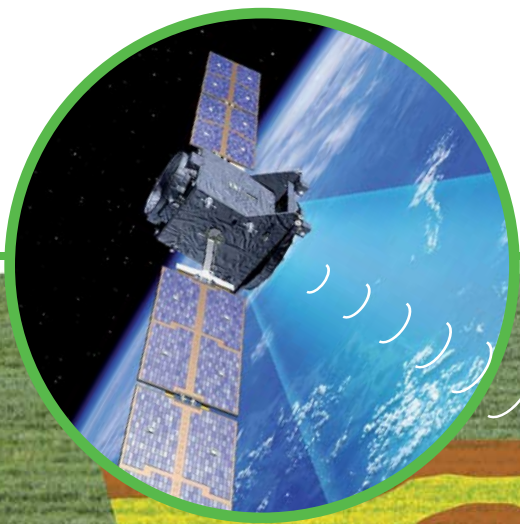
Vision console and its remote control

## ***VISION console and its remote control: simplicity is yours***

This console makes it possible to see machine information using 3 menus: spreading, information and settings. The remote control gives easy control of opening and closing in headlands.

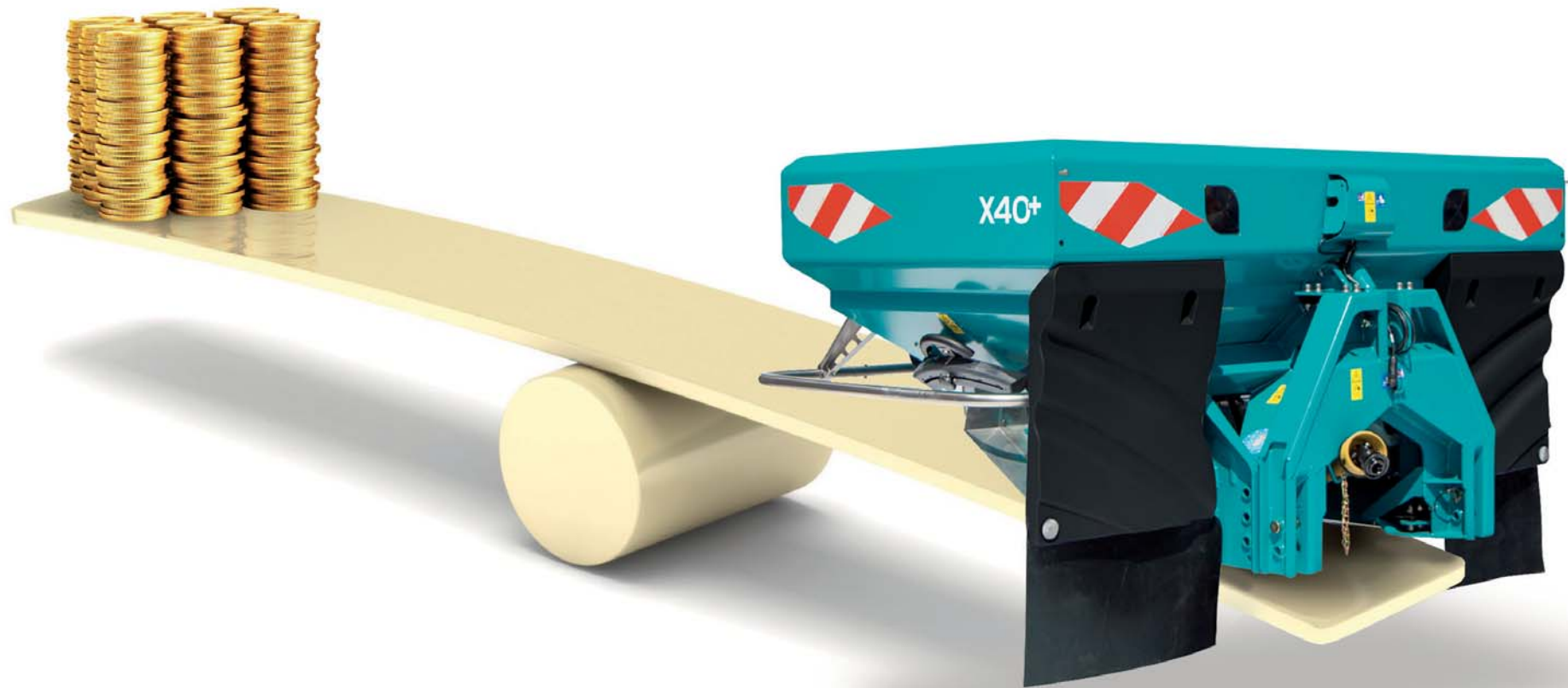








# WEIGHT REGULATED FROM THE 1ST KG SPREAD



## ULTRA-PRECISE EVEN ON THE STEEPEST SLOPES

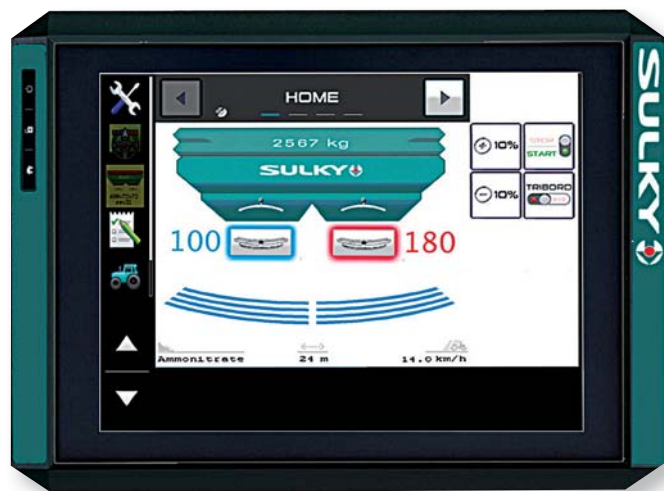
- 10-ton capacity sensor and 4-point attachment of the weighing frame for perfect measurement and reliable display of the weight remaining in the hopper.
- Standard integrated angle sensor on ALL models giving maximum precision on upward and downward slopes and right and left banks.

## WEIGHING REGULATED IN ACCORDANCE WITH THE OUTSIDE TEMPERATURE

- Standard integrated temperature sensor to retain maximum accuracy of weighing information whatever the outside temperature.



► ***With ISOBUS the weighing is displayed on the SULKY QUARTZ 800 terminal:***



**The advantages of the QUARTZ 800 terminal for weighing:**

- The quantity remaining in the hopper is displayed on this 100% touch colour screen.
- Possibility of dose modulation by GPS with independent management of the left and right sides.
- Possibility of adding the STOP&GO and guidance functions later (see Pages 20-21).
- No more repeated calibration tests.
- Fertiliser savings of 5 to 10%.

**Do you want to connect your fertiliser spreader to ISOBUS and NON-ISOBUS tractors?**

*Move you 40+ or X50+ into either configuration in record time!*

**ISOBUS TRACTOR**



**NON-ISOBUS TRACTOR**



**1 single fertiliser spreader**

► ***In non-ISOBUS the weighing is displayed on the Vision console***



Vision console and its remote control:  
simple, practical weighing





## SIMPLE AUTOMATIC RIGHT/LEFT CUT-OFF



Here the left-hand shutter closes automatically at the right moment  
when dropping = reduction in the risks of discharge and fertiliser saving



► ***In ISOBUS, the Stop&Go is displayed on the SULKY QUARTZ 800 terminal:***



**The advantages of the QUARTZ 800 terminal in Stop&Go:**

- No more approximate cut-offs and reopening of shutters because the QUARTZ 800 terminal and its GPS antenna deals with it automatically.
- The guidance is permanently displayed on the same page as the machine information.
- Possibility of dose modulation by GPS with independent management of the left and right sides.
- Additional fertiliser saving and a reduction in the risk of discharge.

**Do you want to connect your fertiliser spreader to ISOBUS and NON-ISOBUS tractors?**

*Move you 40+ or X50+ into either configuration in record time!*

**ISOBUS TRACTOR**



**NON-ISOBUS TRACTOR**



**1 single fertiliser spreader**

► ***In non-ISOBUS, the Stop&Go is displayed on the Vision console and the MATRIX 570 GS guidance bar***



Vision console and its remote control

Guidance bar MATRIX 570 GS





# THE MOST TECHNOLOGICAL SECTION SHUT-OFF ON THE MARKET



Adjusts the working width automatically by changing the dropping point: choose the original!



► **In ISOBUS, ECONOV is displayed on the SULKY QUARTZ 800 terminal**



**The advantages of the QUARTZ 800 terminal in ECONOV:**

- **12 spreading sections** whatever the working width with ALL the possible closure combinations
- Control of the real shape of the area... **in a CURVE**, unique on the market!
- High performance control of the area and the targeted application rate right into the corners of the field and the headlands.
- The guidance is permanently displayed on the same page as the machine information.
- Possibility of dose modulation by GPS with **independent management of the left and right sides**.

Achieving a 15% saving in fertiliser is now within your grasp.

**Do you want to connect your fertiliser spreader to ISOBUS and NON-ISOBUS tractors?**

*Move you 40+ or X50+ into either configuration in record time!*

**ISOBUS TRACTOR**



**NON-ISOBUS TRACTOR**



**1 single fertiliser spreader**

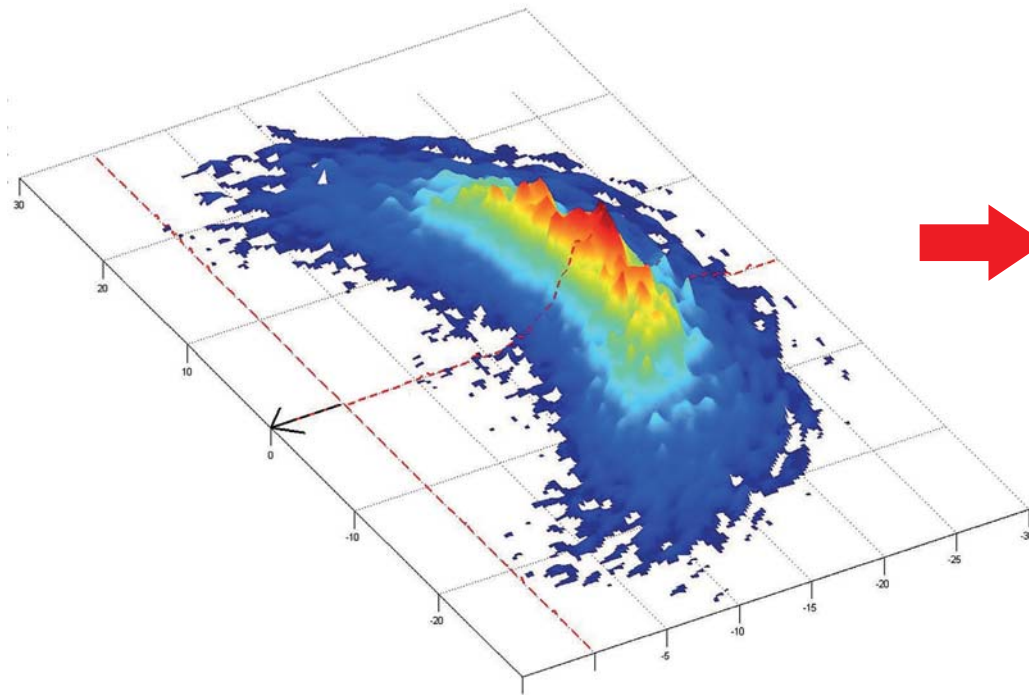
► **In non-ISOBUS, the ECONOV is displayed on the Vision console and the MATRIX 840 GS guidance bar**



Vision console and its remote control

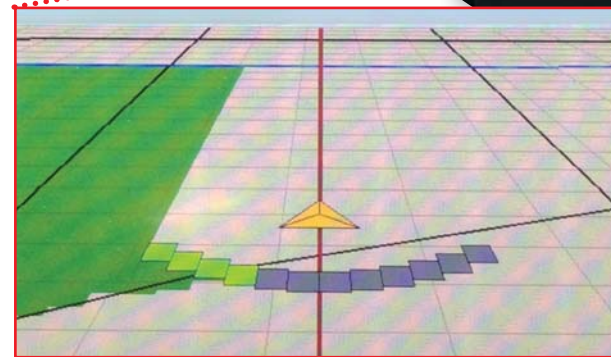
Guidance bar MATRIX 840 GS

► **ECONOV**, the only technology which controls the real shape of the area... in a **CURVE**!



Every fertiliser distribution area spread using centrifugal fertilising is in a curve (as shown below) and not in a straight line.

**SULKY  
PATENT**



SULKY is the only manufacturer in the world to manage this curved shape from its ISOBUS (QUARTZ 800) and non-ISOBUS (Matrix 840 GS) terminals.

**You will only see this curved area on the screens of SULKY terminals because they are the only ones which are able to manage spreading like this!**



► ***In ECONOV ALL the combinations of section opening and closing are possible...***



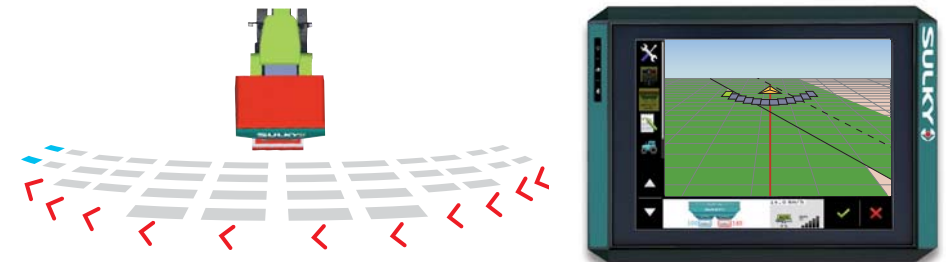
*In ISOBUS ECONOV controls 12 equal sections whatever the working width (here in full width with the 12 sections open)*



*If the spreading width is reduced, during the last pass for example, the sections close automatically according to the width remaining to be spread (here 3 sections are closed on the right-hand side)*



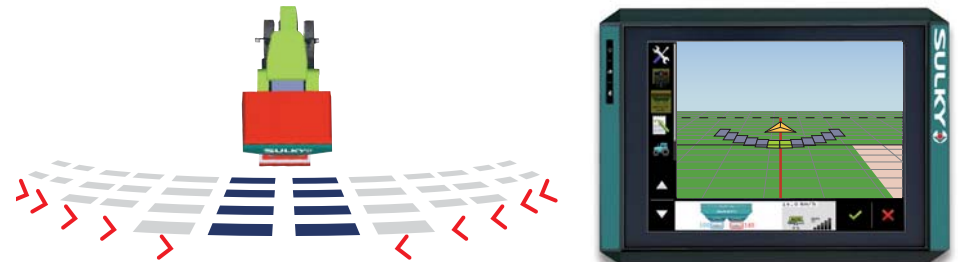
*Right-hand side closed, progressive closing of the left-hand sections, from the centre to the outside*



*A single section open at the end during the final spreading in the corners of the field*



*On arriving in a straight headland the sections close progressively from the outside to the inside, thus respecting the real shape of the spreading area... in a CURVE!*



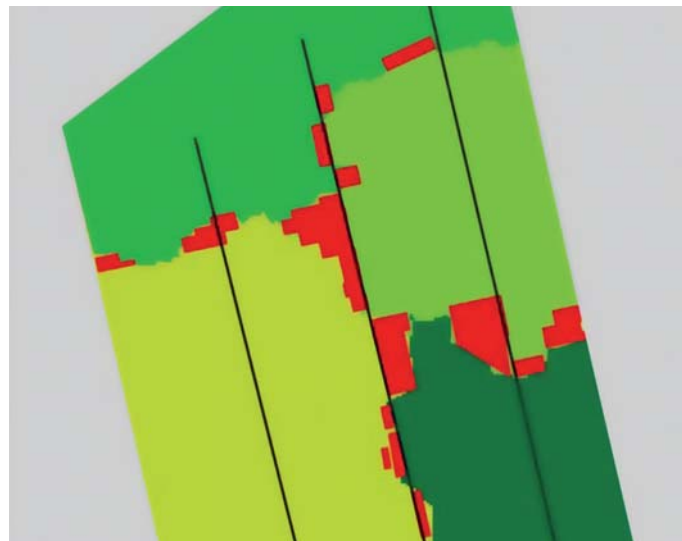
*In a straight headland, before the complete closure of the distribution area, only the 2 centre sections remain open... so the accuracy of spreading in a curve is maximal.*

# INDEPENDENT RIGHT/LEFT MODULATION BY GPS YOU'VE BEEN WAITING FOR IT.... SULKY HAS PRODUCED IT!



The independent dose modulation on the right and left sides by GPS, so eagerly awaited by farmers in the forefront of precision farming, makes it possible to control the application of fertiliser better in the transition areas, the areas where the recommended application rate changes.


SULKY is the **1st manufacturer in the world** to provide the solution with its **ISOBUS QUARTZ 800 terminal** or the John Deere Green Star 2630 ISOBUS terminal.



WITH RIGHT/LEFT MODULATION



WITHOUT RIGHT/LEFT MODULATION

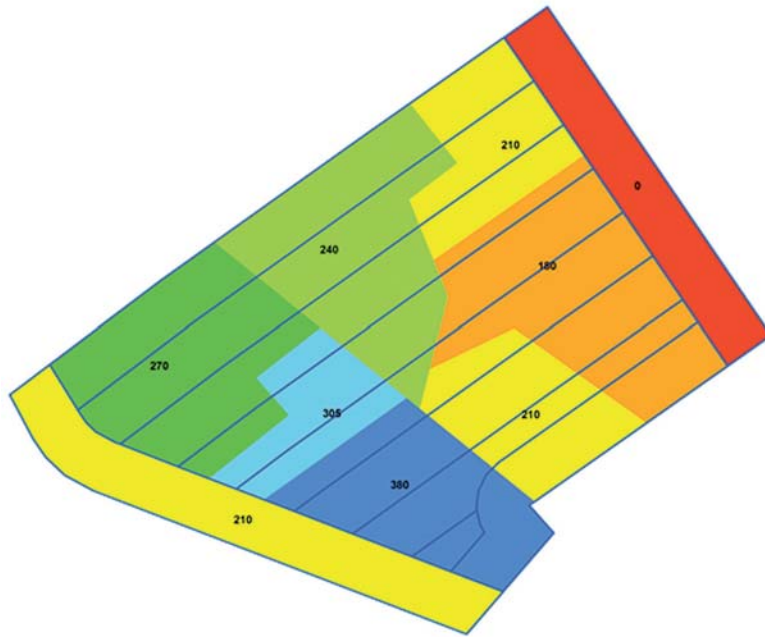
 Areas of over- or under-application

## Technology which makes it possible:

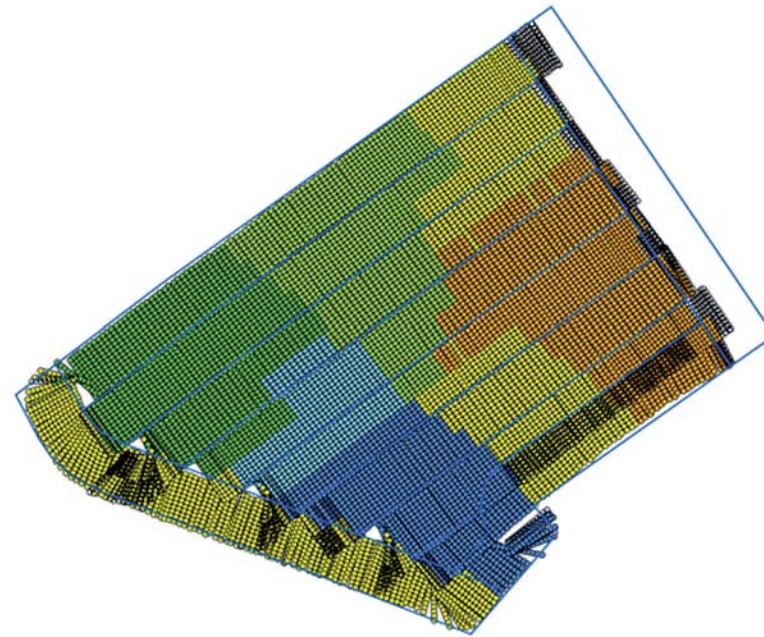
- to reduce areas of over- and under-application of fertiliser
- to reduce intra-plot divergences
- to optimise yield in all points on the plot



- ***With the Right/Left modulation, no more differences between the spreading carried out and the recommended maps***



*Recommendation Maps*



*Maps obtained (which are very close to reality) after spreading with the independent Right/Left dose modulation by GPS device.*

## **So many compatibilities with mapping solutions:**

FARMSTAR, CERELIA, AIRINOV...

## **Other possibilities for variable rate:**

- With the VISION console and its SD card reader in non-Isobus
- With the unit from a GPS provider as contractor to the VISION console

# FERTITEST : SETTING ASSISTANCE AVAILABLE 24H/7

- ☒ Continuous updating
- ☒ More than 500 fertilisers referenced
- ☒ The « search approaching » gives you the appropriated settings for a fertiliser not referenced



Find Fertitest on  
**[www.sulky-burel.com](http://www.sulky-burel.com)**

- ☒ Access to FERTITEST via your Smartphone and QR code:



Scan this QR code  
to reach directly  
to Fertitest®.



**RTS : Ready To Spread®**

***Imagine your X40 or X50 ECONOV  
which adjusts on its own !***

- ☒ Save your setting parameters via Internet and FERTITEST
- ☒ Transfer these settings on SD card
- ☒ Insert your SD card into the VISION box and your machine is set ! Easy no ?





# A PRODUCTION SITE WITH THE «FRENCH TECH» SIGNATURE



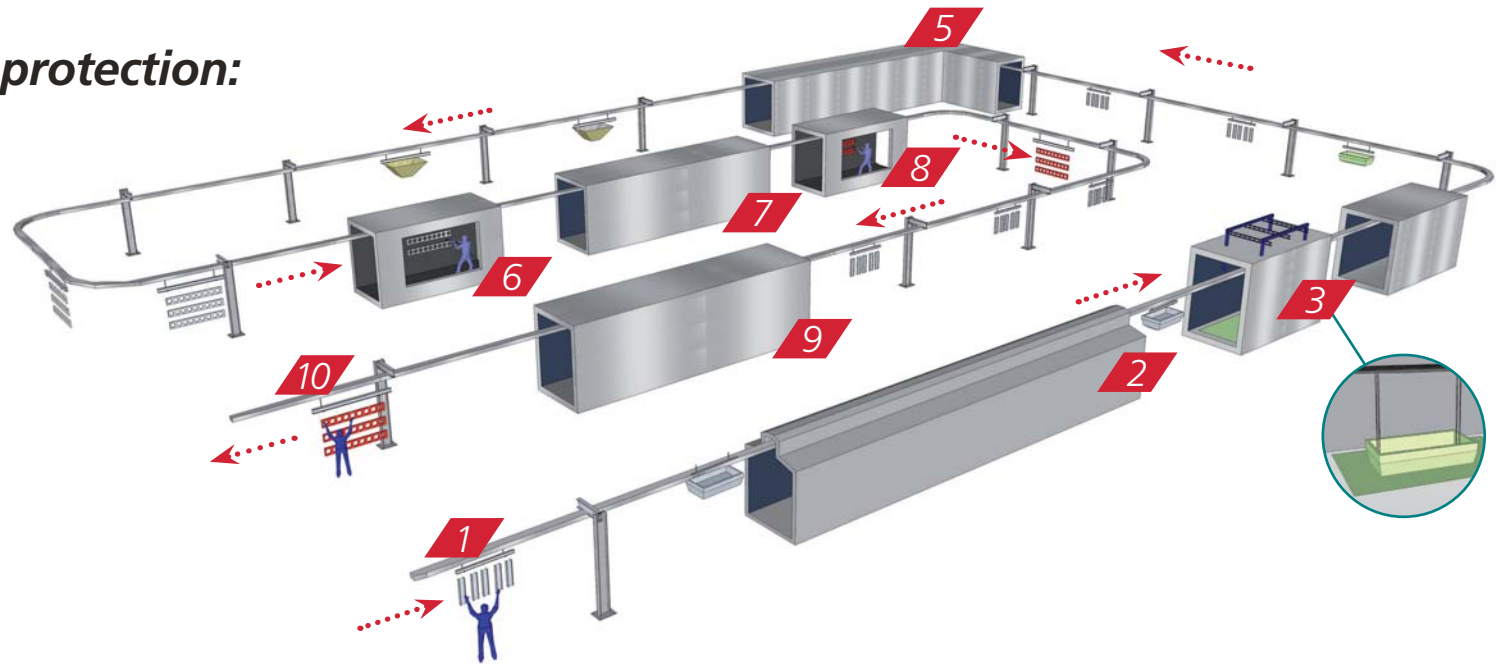
ISO 9001 certification since 1994



# IN PAINTING, A NEW LONG-TERM LAYER FOR PROTECTION...

## 10 steps and 3 layers of protection:

- 1 Hanging
- 2 Surface treatment by nano particles
- 3 1<sup>st</sup> layer coating by electrophoresis
- 4 Double rinse with filtered water
- 5 Baking at 160C°
- 6 2<sup>nd</sup> layer coating anticorrosion
- 7 Drying at 55C°
- 8 Lacquer finishing
- 9 Final drying at 120 C°
- 10 Unhooking



Zero discharge and  
water-soluble paint



## Electrophoresis it's:

- ☒ An electrodeposition of paint by dipping the part
- ☒ A uniform layer of anticorrosion coating
- ☒ Full protection even in corners
- ☒ A very long-term protection



**...FOR PERFECT MACHINES IN TIME!**





# EQUIPMENT SPECIALLY FOR YOUR DAILY WORK



*Mud guard protectors in imperishable composite material (as standard) and supple extensions (option): total protection against projections of earth during high speed spreading in wet conditions and easier cleaning*



*Highly resistant carbide-coated blades as standard on all the X50+ and the X40+ W weighing, X40+ Stop&Go and X40+ ECONOV versions*



*TRIBORD 3D border device available on the right-hand side (standard) AND left-hand side (option on ISOBUS versions)*



*Hopper access ladder:*

- Placed on both left and right on X50+ (standard)
- Placed on the rear left on X40+ (option)



## Characteristics:

Equipements (● Standard - ○ Option)

	X40+/X50+	X40+/X50+ PESEE	X40+/X50+ ECONOV
Cat. II clevis hitch with 3 positions	●	●	●
Parking stands for filling	○	○	○
Transmission by PTO shaft WALTERSCHEID with friction clutch	●	●	●
3 year warranty on gearbox	●	●	●
Double-opening anti-clog sieve	●	●	●
Full road lighting kit into the hopper and reflectors	●	●	●
Chute for emptying and calibration test	●	●	●
Granulometer	●	●	●
Bucket for calibration test and ruler	○	○	○
Overlap check kit	○	○	○
Indicator for late top dressing	●	●	●
Right-hand TRIBORD 3D system with control in the cab	●	●	●
<b>Left-hand TRIBORD 3D system</b> (only on ISOBUS versions)	-	○	○
Automatic continuous weighing	-	●	●
<b>SULKY ISOBUS QUARTZ 800 terminal</b>	-	○	○
Section cut-off + guidance + Right/Left dose modulation by GPS functions controlled from the ISOBUS QUARTZ 800 terminal	-	○	●
Guidance bar MATRIX 570 GS et Right/Left boom section unit	-	○	-
Guidance bar MATRIX 840 GS and boom section unit in 6 sections	-	-	○
Hopper extension	○	○	○
Folding hopper cover	○	○	○
Anti-compaction baffle for crystalline fertilizer and ray-grass	○	○	○
Storage wheels	○	○	○
Set of vanes Hight Resistance	● <sup>(1)</sup>	●	●
Safety guard tube in stainless steel	●	●	●
<b>Protective guards in imperishable composite material</b>	●	●	●
<b>Rubber mud guard extensions</b>	○	○	○
<b>Hopper access ladder</b>	○ X40+	● X50+	

(1) Except with set of vanes 18-28 or 24-36

## X40+

<b>working width</b>	<b>12 - 44 m</b>		
Payload	3 000 kg		
Hopper capacity	1 900 l	2 500 l	3 000 l
Overall width	2.70 m*		2.98 m
Loading width	2.31 m		2.81 m
Loading height	1.23 m	1.41 m	1.52 m
Loading depth	1.17 m		
Weight (approx.) Weighing version	540 kg	570 kg	585 kg

\* 2.55 to the hopper, 2.70 to the safety guard

## X50+

<b>working width</b>	<b>24 - 50 m</b>		
Payload	4 000 kg		
Hopper capacity	2 400 l	3 200 l	4 000 l
Overall width	2.98 m		
Loading width	2.81 m		
Loading height	1.26 m	1.44 m	1.62 m
Loading depth	1.32 m		
Max rate flow	520 kg/min		
Weight (approx.) Weighing version	565 kg	600 kg	635 kg

# XT TRAILED FERTILIZER SPREADERS: A RANGE SIMPLY IMPRESSIVE







**XT 100**



**XT 130**



**XT 160**



**XT 160H**



**XT 210H**



**XT 240H**

The new XT generation breaks over the limits. With working width up to 50 m with granules fertilizers and maximum hopper capacity of 15.500 liters, these trailed fertilizer spreaders offer unmatched productivity. Farmer or contractor, efficiency is for you !



## Our services contribute to your success

### Sulky is a leading manufacturer of seed drills and fertiliser spreaders.

As a manufacturer and service provider, our primary objective is that our equipment should always help farmers to achieve greater productivity and quality. Your personalized order corresponds to your yield requirements... all that remains to be done is to deliver to you as soon as possible, explain to you how your machine works and provide the spare parts necessary for maintenance. We've got it covered !

Our dealers are there to explain the advantages of your Sulky to you. Our technicians guide them with advice and produce the instruction manuals for your equipment. Customer service is our priority.

**At Sulky, we do everything possible to help you to succeed.**



Les Portes de Bretagne - P.A. de la Gaultière  
35220 CHATEAUBOURG France  
Tél. : (33) 02 99 00 84 84  
Fax : (33) 02 99 62 39 38  
E-Mail : [info@sulky-burel.com](mailto:info@sulky-burel.com)

**Postal address:**  
SULKY-BUREL – CS 20005  
35538 NOYAL SUR VILAINE CEDEX, France



The drilling and fertiliser  
spreading specialist

