What's new in spraying?

STABILIS®: treat your plots on slopes with peace of mind

Stabilis can provide safety and comfortable handling on slopes up to 30%!

100% safe treatment

Are some of your plots complex to treat? Thanks to Stabilis, work on slopes with peace of mind

- Stabilis machines offer maximum safety while compensating for slopes of up to 30%. Reduce the risks of rollover substantially!
- Forget the need to handle complex plots with the tank partially filled: tackle slopes with peace of mind, even with a full load.

A 100% controlled system

- Monitor plot treatment thanks to a digital display: check the angle as a percentage in real time and receive a warning when you reach maximum values.

Patented system:

➔ Thanks to a system of actuators and sensors, Stabilis automatically corrects for the slope under the machine by modifying the angle of its frame, tank and cab. These central components will remain completely horizontal.

➔ Stabilis is the product of genuis thanks to its **slope-dependent spray system**, which matches the lie of the land and remains parallel to the ground at all times.

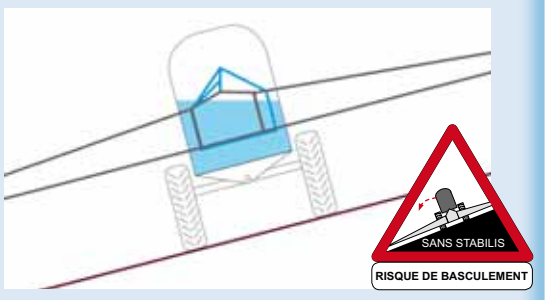
➔ In addition to its super-effectiveness on slopes, Stabilis is also very handy when it comes to **increasing your forward speed** in fields and turning spaces: the frame leans over in turns while the spray system remains stable.

➔ You will also appreciate this application on the road: the mechanism allows you to take turns and roundabouts **while sitting comfortably**, including at high speeds (40 km/h).

Tried and tested effectiveness:

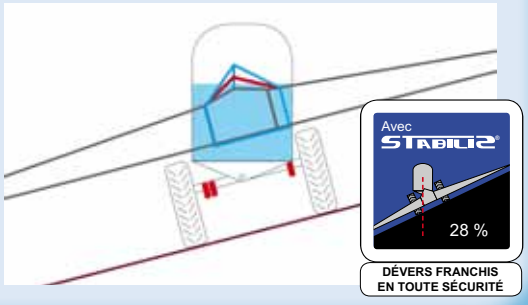
Self-propelled system or unequipped spraying machine:

- On a slope, you correct the position of the boom manually, with the inherent imprecision and risk of shocks.
- The liquid contained in the tank is incorrectly balanced on the slope: the mass will move downstream, contributing to substantial soil compacting, loss of grip and the risk of rollover.



Self-propelled machine equipped with STABILIS:

- Controlled by a system of actuators and sensors, the frame automatically matches the lie of the land and remains horizontal. The boom remains entirely parallel to the soil.
- Spray quality is unchanged,
- Operator safety and comfort guaranteed,
- Masses are balanced, helping to protect the structure of the soil.



What's new in spraying?

STABILIS®, for higher-speed handling and increased performance

100% performance: on flat land, Stabilis can be used to achieve a faster forward speed.

Improved operator comfort

Improved working position, reduced fatigue

- Frame incidence correction on slopes ensures an ideal operator position: you are sitting comfortably and can focus on the current treatment underway without distractions.

Test the effectiveness of Stabilis, including on flat land and on roads

- Other than slopes, a self-propelled machine equipped with Stabilis maintains excellent handling properties on roads and in fields: the driver is less affected by the movements of frames and spraying systems. Handling is more flexible and comfort enhanced, even at high speeds.

SIMA Palmarès de l'innovation

Protect your soil from compacting, one extra reason to opt for STABILIS®

Thanks to the horizontal frame, even when treating a slope, the liquid is uniformly distributed in the tank. Despite the slope, the self-propelling machine maintains an optimised balance for left/right masses, helping to reduce soil compacting.

STABILIS®, only available on self-propelled Matrot machines:

- Maestria 17/39, 21/39 and 21/40
- Xénon 210 and 235 ch

Study of time saved for the treatment of a plot:

➔ If you increase your speed when turning round at the end of the field, you simply need to do the maths: you gain precious minutes with every turn. When you add it all up, do you have any idea how much time that represents for a whole plot?

➔ A quick calculation shows the time saved by using a self-propelled machine equipped with Stabilis compared with a traditional spraying machine with real figures. Let us consider a plot covering 15 ha and a self-propelled machine fitted with a 36-meter boom.

- Plot: 540 m (width) x 278 m (length)
- No. of runs: 15 straight runs + 14 u-turns

➔ Just for one plot, time savings = 16% !

	Without Stabilis	With Stabilis
SPRAYING		
Speed	15 km/h	
Time	1.37 x 15 = 24 min 25 s	
U-TURN		
Speed	8 km/h	15 km/h
Time	1.15 x 14 = 17 min 50 s	0.40 x 14 = 11 min 33 s
TOTAL TIME	42 min 15 s	35 min 58 s