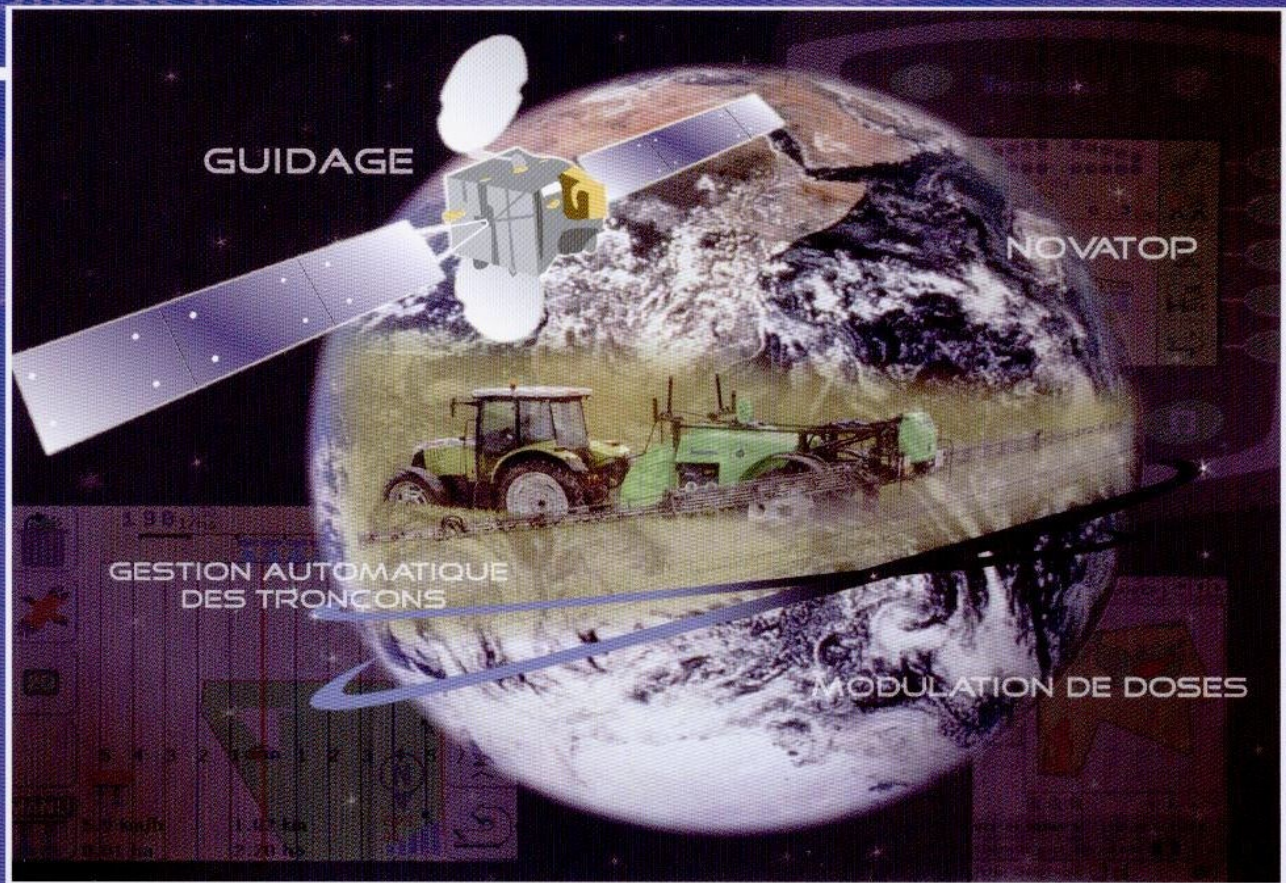


Precision Agriculture



Tecnoma



Precision Agriculture

LOOKING TO THE FUTURE

Managing costs has never been so critical in the world of modern agriculture. **Tecnoma**, one of Europe's leading manufacturers, understand these challenges and is now opening the gates to Precision Agriculture; from DGPS Guidance Systems to automatic boom section control and dosage modulation. **Tecnoma** are in a position to offer you solutions to maximise the profitability of your enterprise.

NOVATOP – NOVATOP VISIO

Access Tecnoma first class technology.

Clear information

- Simple access to all information and functions whilst spraying.
- Press one single key and easily view more information on the screen: area sprayed, spraying autonomy and output.

Easily browse the menus following comprehensive and user friendly icons on the screen.

Friendly colour screen

- Clear colour display enables quick function access to functions and information.
- Logical colour coded light bar integrated in the top of the screen.

Integration of all functions

A single slim console enables the control of all functions: spraying, hydraulic boom functions, DGPS as well as boom lights, foam marker, boom end nozzles, or AUTONET sequential dilution rinse system.

Easy connection

A single cable connection is needed.

Traceability

Monitor up to 20 different plots. Plug the USB key provided to download the information to your PC.

ISOBUS: simple and upgradeable

ISOBUS technology is an international standard that defines a common language for communication compatibility (ISO 11783), enabling a reliable connection between tractor and machines: one console does everything.

ISOBUS multiple benefits :

- Quick hitching of the sprayer.
- Single console in the cab for better vision and cab comfort.
- Universal terminal suitable for a wide range of equipment.
- Keep records using the USB memory key.



Plot contour validation

Bird view or land view

3D or 2D views

Manual or automatic boom section mode



FUTURE – TOMORROWS SOLUTIONS TODAY

EGNOS :

DGPS receiver

Precise location of the sprayer in the field is achieved by the DGPS antenna receiver. The system has an accuracy of plus or minus 30 cm (12") and does not require a subscription to a local service provider. The signal is totally free.

GUIDANCE

Easy guidance from the eye to your finger tip

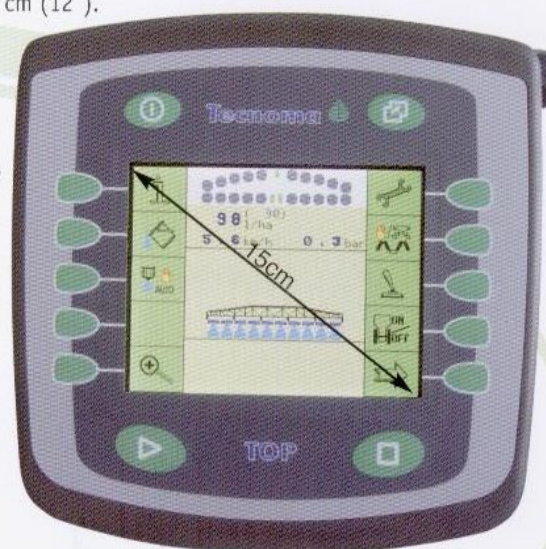


Integrated light bar in the top of the screen

- Colour coded signals steer you through the field.
- Possibility to use the system for other applications: (i.e. fertiliser spreading, tillage equipment etc) independently from the sprayer.
- Accuracy to 30 cm (12").



NOVATOP



External light bar

- LED colour display.
- Easy fitting on the windscreen by mean of a vacuum cradle.



Outstanding visual comfort
Userfriendly color coding

How is it working?

Select your guidance mode :

- **Parallel** : log the reference point when you start and finish the first spraying pass. The software automatically joins these points into a straight reference line. The system then guides you in parallel to this reference line.

- **Contour** : log several points to make a curved reference line for parallel guidance.

Select the **intervals** if you do not wish to spray every pass.

Adjust your spraying width / path.

The contour of each field can be recorded in a USB key and used for future references.

Ability to store spraying jobs for future reference.



Plot obstacle recording

Plot marks recording

Differential GPS correction

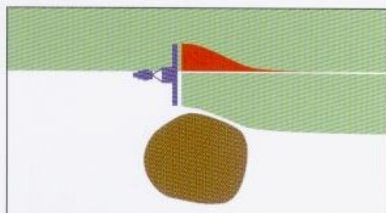
Sprayed area marked in green

NOVATOP VISIO

DGPS positioning may change over time. To manage these potential changes, a reference point / mark can be memorised in each plot. This reference point will be used for future spraying jobs as a reference to neutralise any potential map switch.

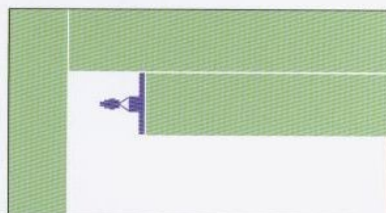
AUTOMATIC BOOM SECTION CONTROL

The operator starts spraying. All sections are turned ON.



Avoiding field obstacles

Each boom section will be automatically turned OFF if the system is detecting an area that was already sprayed



Headlands

The operator has first sprayed the field contours. When reaching the headlands already sprayed, the relevant section is automatically turned OFF.



Tapered fields

When reaching the headlands, each section will automatically be turned OFF / ON in sequence.

Individual settings

The overlapping of the automatic boom section control can be set to :

- > 0% (no overlap): no risk of over dosage (e.g. with liquid fertilizer)
- > 100% overlap: to ensure good crop protection
- > 50% overlap: for the application of most chemicals.

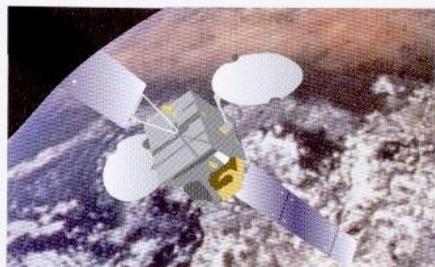
Benefits :

- Dosage accuracy
- Spraying precision
- Ergonomic – environmentally friendly
- Operator's comfort

SERVICE

Tecnoma Service and Support :

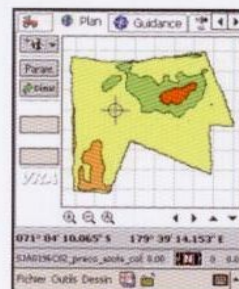
A wide network of qualified dealers.



DOSAGE MODULATION

High precision spraying application

Configure your spraying maps on the farm PC.



Once in the field, the application rate will be automatically adjusted for each geographic point in the field.

AUTOMATIC BOOM HEIGHT ADJUSTMENT

Automatic boom lift on the headlands

Once boom sections are turned OFF, the boom is automatically lifted to clear any potential obstacles at the headlands.

Automatic boom height control

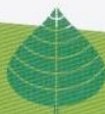
Before turning the boom sections ON, a simple "Press" of the Joystick switch enables the boom to return to its pre-programmed spraying height. Another "Press" of the Joystick turns the sections ON. These actions can also be combined in one "Press" of the Joystick control. If equipped with AUTOMATIC BOOM SECTION CONTROL, the NOVATOP will monitor the boom height at the headlands automatically

- Benefits :
- Safe turning at the headlands
 - Optimum boom height for optimum spray coverage.
 - Operator's comfort
 - Ergonomic – environmentally friendly



Boom height

Tecnoma



S.A.S. - Capital 1 174 400 euros - R.C.S. EPERNAY B 350 484 309
 54, rue Marcel Paul - F-51206 EPERNAY CEDEX
 Tél. : 33 (0)3 26 51 99 99 - Fax 33 (0)3 26 51 83 51
 Site : www.tecnoma.com - E-mail : tecnoma@tecnoma.com