

**VERION®**

AGRICULTURA



VCOM 7.0 GASEOUS - NH₃ APPLICATION

THE PERFECT COMBINATION BETWEEN
CONTROL, QUALITY AND EFFICIENCY

Automated dosage, with a 100% closed loop control system. Application at fixed or variable rate through the use of a georeferenced map, work log map and applied dose. **Used in sugarcane, corn, citrus and other crops.**



**This computer is upgradeable
to all our PF solutions*

FEATURES OF THE VCOM AS A GASEOUS FERTILIZATION CONTROLLER

The importance of applying NH₃ as fertilizer lies in the efficiency of nitrogen as a nutrient, an important element for growth, formation of chlorophyll, and crop yield.

In conventional gaseous application systems, the application dose is controlled manually by the operator, hence it is not possible to know the final applied dose. Vcom solves all of these problems by providing effective gas regulation, measurement and record of the applied dose.





SYSTEM COMPONENTS

- Guiding computer for dosage control and monitoring as well as yield mapping.
- A proportional valve meters doses the gas flow according to speed and dose to be applied.
- Shut-off valve allows for automatic gas cut-off in headers.
- Flowmeter measures instant flow rate and sends that information to the computer for system feed-back and adjustment according to the pre-set dose, speed, position, etc.
- Valves controller electrically operates regulating and shut-off valves.
- Inclinometers allow for application depth measuring and generate record map.

GPS OPTIONS ACCORDING TO YOUR NEEDS



GM23: GPS L1 1 Hz
*See catalogue GM23



LCGPS: GPS/Glonass L1 10 Hz
Pass-to-pass accuracy 30 cm*
*See catalogue LCGPS



AG-STAR: GPS/Glonass L1 10 Hz
Pass-to-pass accuracy 20 cm*
*See catalogue AG-Star



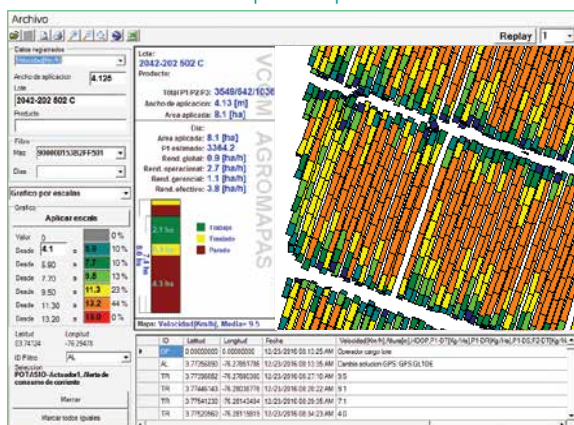
SMART6-L: GPS/Glonass L1/L2 20 HZ /
Terrastar-c option.
Pass-to-pass accuracy 3-5 cm*
*See catalogue SMART 6-L

WORK LOG AND APPLICATION MAPS

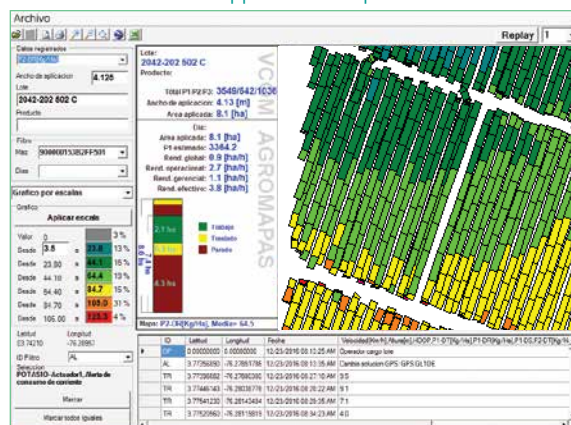
The system generates georeferenced maps that allow you to have a detailed record of the operator's work. While operating, it stores such data as date, starting and finishing working times, applied dose, speed, hectares, terrain elevation, applied

and no-spray area. Our Agromaps Software generates reports and post-application maps of all registered variables, which enables you to visualize and analyze all these data, hence allowing for better decision-making.

Speed Map



Application Map



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