ControlAgro®

PRECISION AGRICULTURE

PRODUCTS CATALOGUE 2021 ■

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The adoption of new technologies in agriculture provides increased yields and profitability, as well as better costs control.

The technology of our Smart Crop Monitors, together with the engineering and development solutions we offer, and our after-sales service, make us the best cost-benefit option available in the market.

Our Products:

CAS 5100T
CAS 4500
CAS 2700
CAS 2500
CAS 1500

CAS 5100 T

CAS 4500

CAS 2500

CAS 2700

CAS 1500

SMART CROP MONITOR
CAS 5100 T

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Wi-Fi Link to the Implement

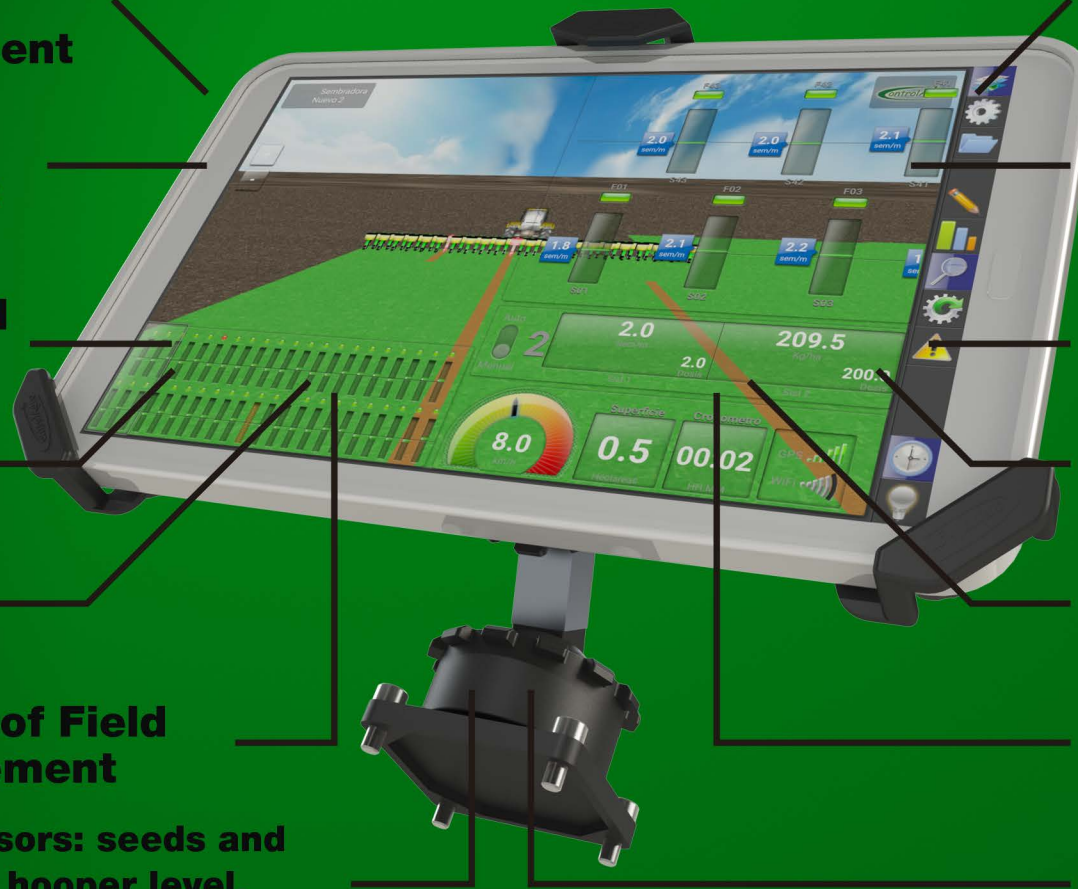**Tablet Format**

Android OS

GPS

Quick Menu

Record of Field Management

Crop sensors: seeds and fertilizer, hooper level, turbine, rotation, air pressure

Keep Information organized by Customer, bath and date

Save the implement´s setting

GIS Mapping Tools (Shapefile)

Online Software Update

3D Tractor and Implement 3D Tracking
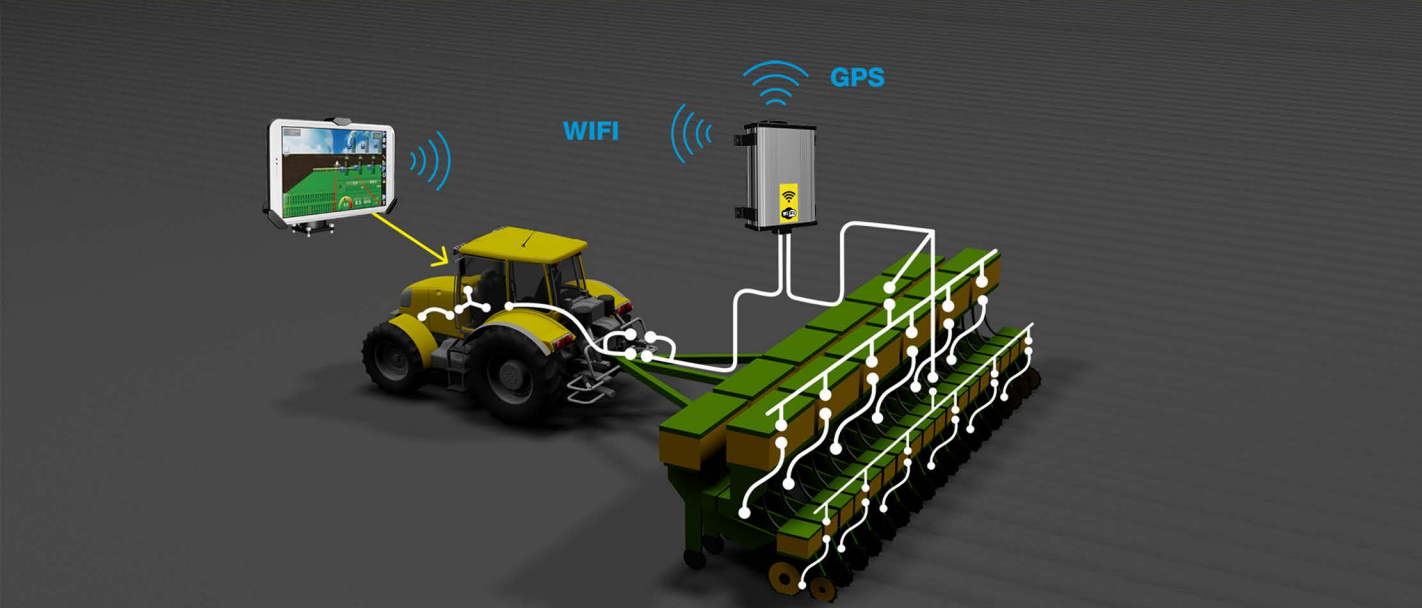
Single-Wire Connection Sensors

Variable Rate Crop and Fertilization Control

"The CAS 5100 T is the evolución of technology at the service of farmers since it makes sowing easier, reduces cost and increases profitability!

Receiver/Transmitter
WIFI

CROP MONITOR
CAS 5100

Wi-Fi **Wi-Fi Link to the Implement** ControlAgro®

The Wi-Fi Link between the Monitor and the Implement is one of the main technological innovations of the CAS 5100 T Smart Crop Monitor.

GPS

WIFI

Single-Wire Connection Sensors ControlAgro®

The single-wire connection of all the Implements' sensors (seeds and fertilizer, rotation, hopper level, etc.) is another technological feature of the CAS 5100 T.
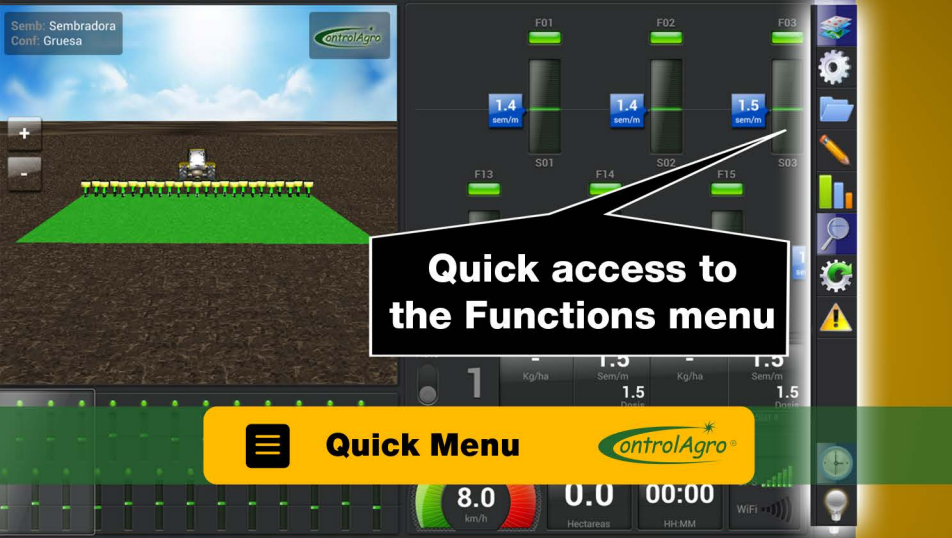
Tablet Format

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The CAS 5100 T control and operation software is designed for a full color tablet screen.

Android OS

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It allows the use of the application on Android Operating System (OS) devices.

Built-in GPS

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Thanks to the Global Positioning System (GPS), the CAS 5100 T knows the precise location of the Implement during the sowing and / or fertilization process.

Quick access to the Functions menu

Quick Menu ControlAgro®

The user interface is designed to easily and quickly access the main operating functions.

Record work done in the field

Record of Field Management ControlAgro®

The CAS 5100 T records field management data so that you can analyze it and / or share it with other areas of your Company, while keeping a log record on the use of the Implements.

HOPPER LEVEL SENSOR ROTATION SENSOR SEEDS AND FERTILIZER SENSOR PRESSURE SENSOR SEED SENSOR

TURBINE SENSOR

Crop sensors: seeds and fertilizer, hopper level, turbine, rotation, air pressure ControlAgro®

The system operates with different sensors to quantify seeds or the amount of fertilizer used, as well as the content of the hopper, among other features.

CAS 5100 T

Organize the Information organized by Customer, bath and date

Keep Information organized by Customer, bath and date — ControlAgro®

Actualizar software

Online Software Update — ControlAgro®

Shapefile Mapping Tools

GIS Mapping Tools (Shapefile) — ControlAgro®

The CAT 5100 T organizes information by Customer, Batch and Date, for the purpose of traceability, analysis, statistics, among other features.

Updating our software online allows you to enjoy the latest developments carried out by our technical team.
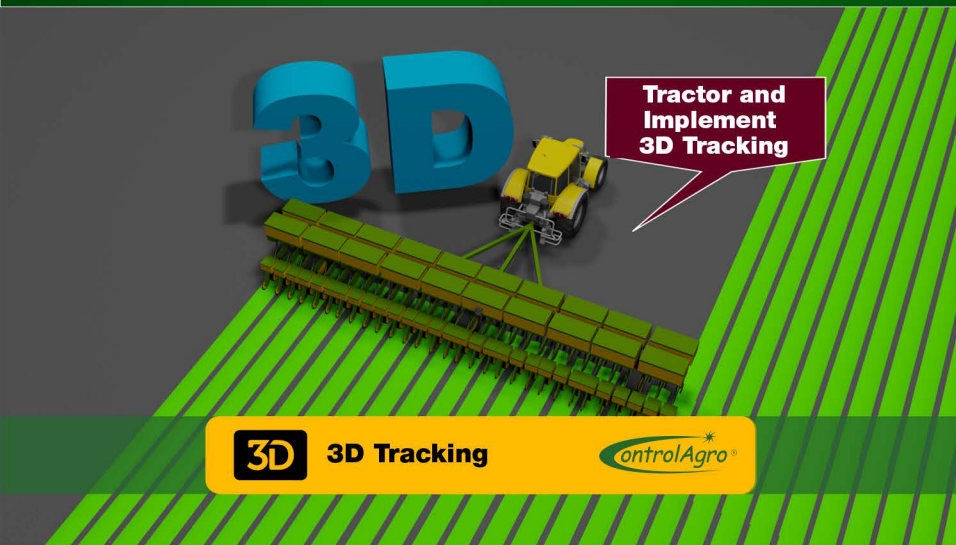
Variable dosage up to 4 individual products manually or by prescription maps (in shape format). The system allows the combination of both management forms or individual shapefiles.
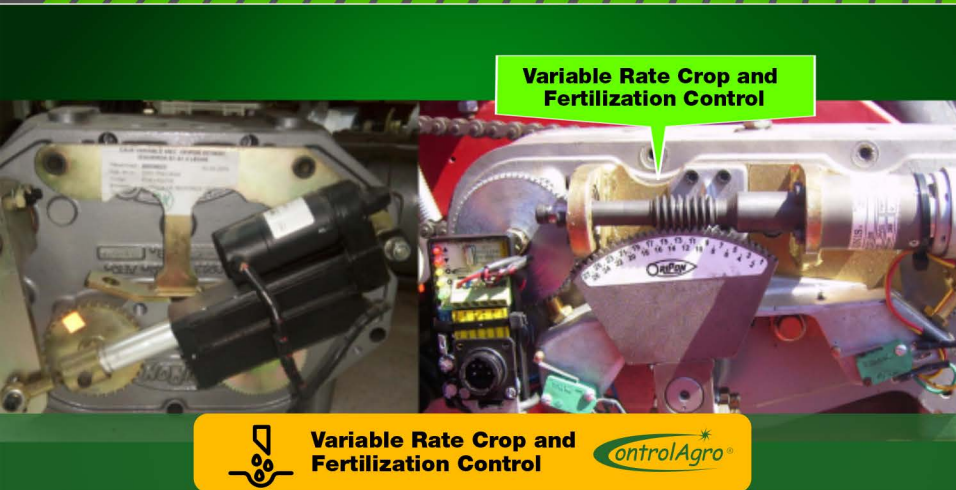
Save the implement´s setting

Save the implement´s setting
ControlAgro®

The system allows you to save the Implement's settings.

3D

Tractor and Implement 3D Tracking

3D 3D Tracking
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The CAS 5100 T shows a 3D (three dimensions) graphic image of the Tractor and the Implement.

Variable Rate Crop and Fertilization Control

Variable Rate Crop and Fertilization Control
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This function allows you to optimally adjust the dosage application according to the specific characteristics of the batch, thus optimizing the costs of each task.

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SMART CROP MONITOR

CAS4500

Single-Wire Connection Sensors

- Robust and ergonomic console.
- GPS module communication (Speed).
- Great versatility.
- Large graphic LCD display.
- View furrow by furrow, batch and seed variables.
- Alarms (clogged tube, differences in density, etc.)
- Records statistical variables.
- Monitors 128 optical seeds or fertilizers sensors.
- 8 hopper level sensors.
- 8 shaft rotation sensors.
- 3 kg/ha measurement sensors (1 seed and 2 fertilizers).
- 3 air turbine RPM sensor (positive and/or negative).
- 3 pressure sensors.
- Serial port to extract information and remote it in real time.
- Keyboard for manual control of 4 different dosages of seeds and/or fertilization.
- Works with application maps (georeferenced).

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SMART CROP MONITOR
CAS2700

Single-Wire Connection Sensor

- GPS Module
- Sensor deactivation from the console.
- Hectares and speed indication.
- Visual and sound alarms instant indication according to the type of failure.
- Density difference alarm between furrows (configurable)
- Dirty sensor optics detection warning.
- Controls up to:
  2 Rotation sensors (optional)
  2 hopper sensors (optional)
  1 turbine sensor (optional)
  32 seed tubes and
  32 fertilizer tubes.
- Sensor disconnection alarm.

L01   230.0 Ha
7.5Kph   4.3 S/m

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SMART CROP MONITOR
CAS2500

Single-Wire Connection Sensor

- Statistical monitor.
- Especially adapted for night work.
- Robust console.
- Smart self-calibrating sensors and instant adjustment of infrared optical systems (64 furrows, 32 seeds and 32 fertilizers).
- Sensor disconnection or plugged tube alarm (individual), diff. density and dirt.
- Communication with GPS module.
- Totalizer of seeds per batch.
- Counting of seeds per meter.
- Furrow by furrow.
- Speed indicator with min. and max. alarms.

SMART CROP MONITOR
CAS1500

Single-Wire Connection Sensor

- Single-Wire connection sensor.
- Easy to Use, practical, optimal performance.
- Lowest price in the market.
- Monitors seed drop tubes: up to 32 furrows.
- Monitors fertilizer drop tubes: up to 32 furrows.
- Visual and sound alarms according to type of failure.
- Density difference alarm between furrows (configurable)
- Warning of dirt detection in sensor's optics.
- DEACTIVATION OF SENSORS DIRECTLY FROM THE EQUIPMENT (no disconnection needed).
- Sensor disconnection alarm.
- Plugged tube alarm.

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Important: publication date: 02.01.2017 Check validity / update

	CAS 1500	CAS 2500	CAS 2700	CAS 4500	CAS 5100T
Seed drop + fertilizer sensors (total coarse or fine)	32S + 32F 64 FINE OR COARSE TOTAL ●	32S + 32F 64 FINE OR COARSE TOTAL ●	32S + 32F 64 FINE OR COARSE TOTAL ●	64S + 64F 128 FINE TOTAL ●	128 They can be divided into a max. of 4 groups ●
Instant indication of visual and sound alarms according to the type of failure	●	●	●	●	●
Individual alarm of clogged tube or lack of seeds/fertilizer in a row	●	●	●	●	●
Warning of dirt detection in sensor´s optics	●	●	●	●	●
Deactivation of sensors directly from the equipment (no disconnection needed)	●		●		●
Sensor disconnection alarm	●	●	●	●	●
Air Drill and pneumatic pressure sensor (positive and/or negative)				3 sensors	3 sensors
Speed indication with maximum and minimum alarms		●	●	●	●
Comunication with GPS module		●	●	●	●
Shaft rotation sensors			2 (optional)	8(optional)	8 (optional)
Turbine Rotation sensors with maximum and minimum R.P.M. alarms			1 (optional)	3 (optional)	3 (optional)
Indicators of kg/ha of seeds in real time			1 (optional)	1 (optional)	4 (optional)
Indicators of kg/ha of fertilizers in real time			1 (opcionales)	2 (optional)	4 (optional)
Statistical record of monitoring and alarms of up to 100 different batches		●	10 batches	●	●
Counting of seed per meter		●	●	●	●
Totalizer of seed and fertilizers applied per batch		● (only seed)	●	●	●
Hopper level, seeds and fertilizer sensors			2 (optional)	8(optional)	8 (optional)
Notice of scheduled maintenance according to hours worked or distance covered		●		●	
SD memory reader to store work mapping and to load variable application maps				●	●
Variable dosage up to 4 different inputs, 4 master boxes instantly, applied manually (6 memories), or automatically georeferenced (mapping application)				Requires variable mechanical boxes	Requires variable mechanical boxes

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