

The air planter most
agile of the market.





Sello
Buen
Diseño

Technology and versatility

Main features

Plantor is a high **productivity and autonomy** planter, with 3 polyethylene hoppers with a capacity of 2400Lts each and a width of work of 12,60m to 18,90m.

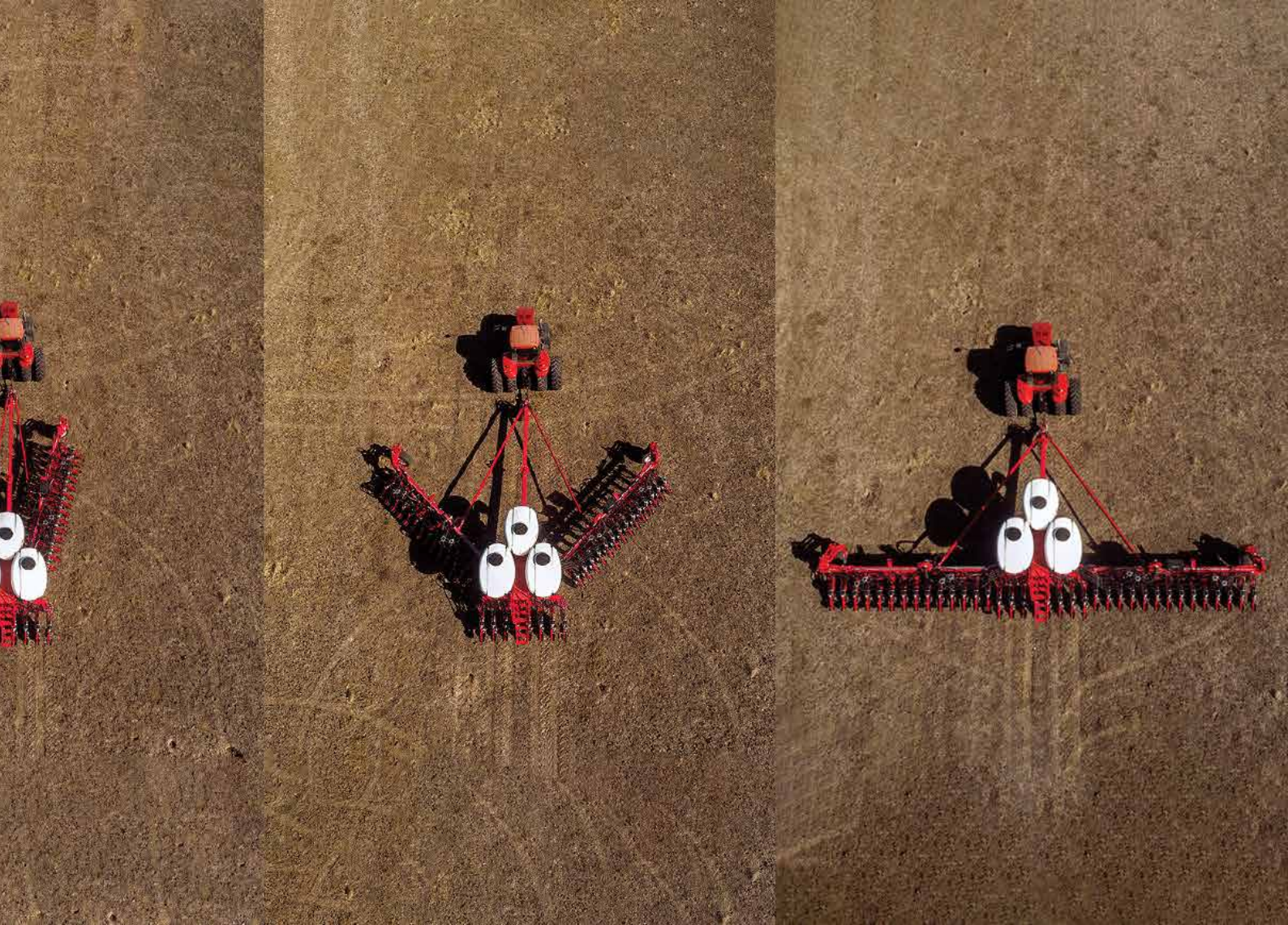




From transport to work position

Take less than 3 minutes
and performed by one
operator.





**From transport
to work position**



Versatility and manoeuvrability.

Six tires distributed in two pairs central in a rocker and two spinning articulated on the front part, distribute the weight of the machine on the wheels not overloading the hitch of the tractor in transport position.

Non operative times reduction.

Wider working width. Its patented folding system, commanded by the operator from the tractor cabin transform its working width in less than 4m for transport.



Technical specifications

Models (working width)		12 m						15 m				18 m			
Quantity of row units / row spacing (cm)	36 / 35	18 / 70	24 / 52.5	30 / 42	33 / 38.1	16 / 76.2	22 / 70	30 / 52.5	36 / 42	41 / 38.1	20 / 76.2	26 / 70	36 / 52.5	24 / 76.2	
Working width (m)	12.6	12.6	12.6	12.6	12.6	12.2	15.4	15.8	15.1	15.6	15.2	18.2	18.9	18.3	
Working length (m)	8.4						9				10.5				
Working height (m)	3.2														
Transport width (m)	3.9														
Transport length (m)	12.5						14				16.5				
Transport height (m)	3.8														
Clearance in transport position	390 (w/unlock row units)														
Seed loading capacity (2 hoppers)	4800 lts / 3456 kg														
Fertilizer loading capacity (one hopper)	2400 lts / 3120 kg														
Empty estimated weight (without fertilizer disc)	13900						15700				17800				
Full load capacity (Kg)	20470						22270				24300				
Tire	6 tires size 400 / 55-22.5														
HP requirement	295	220	220	270	280	220	250	270	310	320	250	310	325	310	

Hydraulic requirement

Plantor PP hydraulic requirement (**)	Closed center 3 coupler pair w/regulator and load sensing (LS) Minimum flow: (*) 165 L/min - Pressure: 200 Bar
Plantor Leaf hydraulic requirement (**)	Closed center 4 coupler pair w/regulator Minimum flow: (*) 185 L/min - Pressure: 200 Bar
Plantor PP electric requirement (V - Drive) (*)	12 V / 1,25 Amps per row unit Antenna and autopilot Frequency: 5 Hz / 19200 or 38400 bps / SF1 , SF2 , RTK

(*) This requirement is for machines up to 32 row units. In case of more quantity of row units, the installation of an Alternator 160Amp Kit hydraulically driven with a consume of 15 to 20Lts/min. In case of double fertilization (available only in Plantor PP) ensure a consume of 15Lts/min.

In case of machines equipped with Delta Force, Alternator Kit is included.

(**) In case of placing as an optional an independent hydraulic central, the output of the blowing turbine is reduced. PTO 540RPM

Main hoppers

Characteristics

The planter has **3 central hoppers**.

Each hopper has a volume of 2400Lts and they can be used for fertilizer and seeds depending on the user's needs.





Different possible dispositions for central hoppers.

Seeds in all hoppers

Maximum sowing capacity

Seeds hopper capacity **7200Lts/5180Kg**



Fertilizer in front hopper (example: soy)

Fertilizer hopper capacity **2400Lts/3120Kg**

Seeds hopper capacity **4800Lts/3450Kg**



Fertilizer in both front hoppers (ex: corn)

Fertilizer hopper capacity **4800Lts/6240Kg**

Seeds hopper capacity **2400Lts/1730Kg**



Fertilization outside the row line

Fertilizer hopper capacity 1 **2400Lts**

Fertilizer hopper capacity 2 **2400Lts**

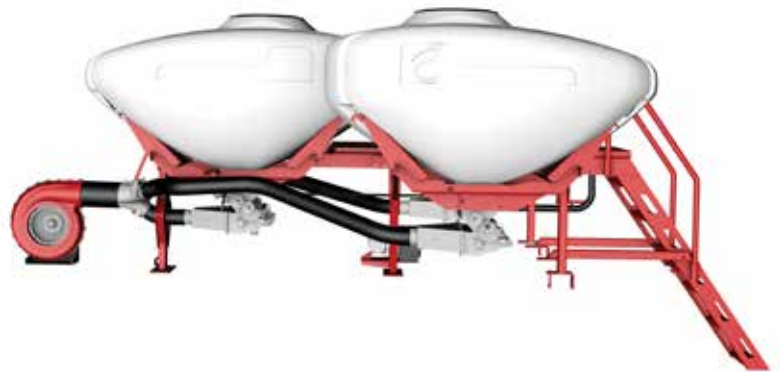
Seeds hopper capacity **2400Lts**



Dual System

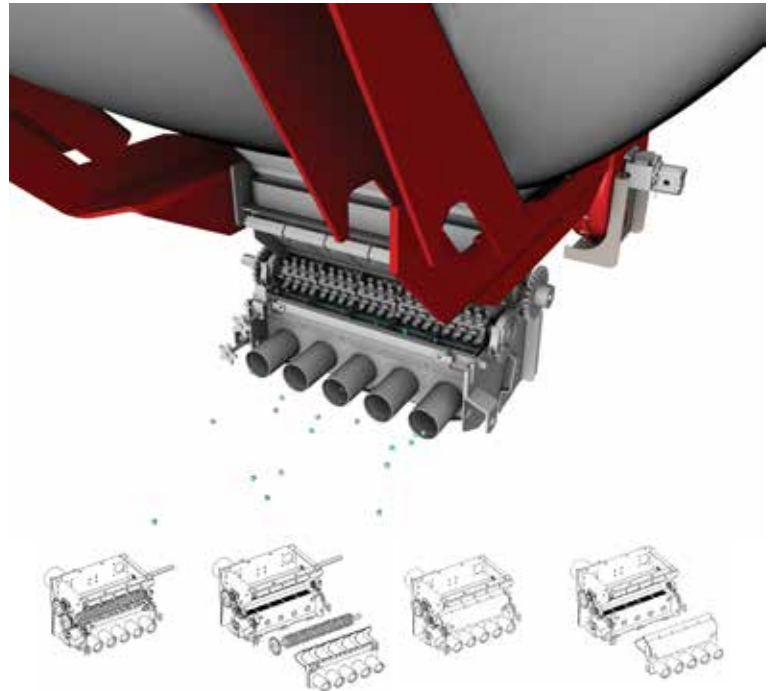
Sowing and fertilization

One of the most important differential points of our Planor planter is its **patented and awarded** Dual System for Metering and Supplying, that allow using the maximum loading autonomy of the 3 hoppers to be used for seeds or fertilizer.



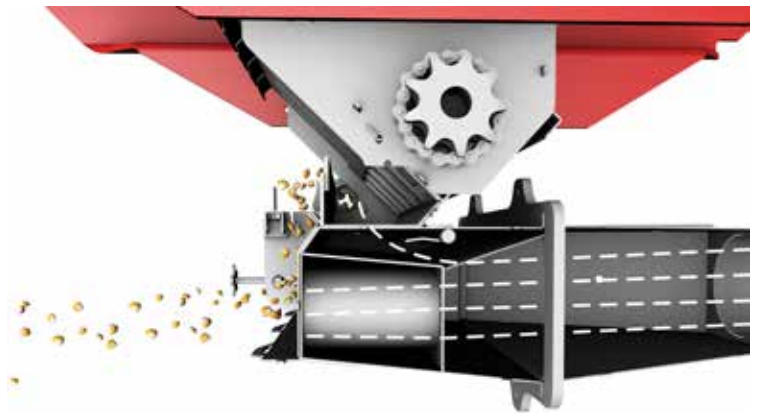
Exchangeability

Exchanging some components easily and without using tool, we can transform the metering system to a supplying module or vice versa.



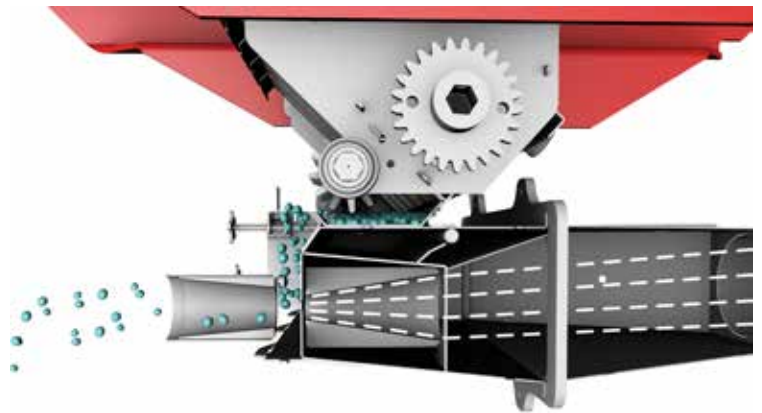
On-demand seed supplying system

Its function is to transport the seeds from the hopper to the mono-grain meters on the row unit.



Granulated fertilizer and fine seeds meter system

This system is the responsible for the fertilizing dosing by means the rotation of a Chevron type wheel driven by a hydraulic motor delivering the fertilizer directly in the tubes through the open-row discs.



Coulter blade set and row unit





-
- A.**
Trapezoidal double closing wheel with rubber strip. Optional
- B.**
Optional: Plastic pressing tails or press wheels
- C.**
Double leveling wheel size $2\frac{1}{8} \times 15''$, $4 \times 15''$
- D.**
16" double disc
- E.**
Stubble cutting disc with skates
- F.**
Double loading springs system or electric-hydraulic Delta Force system.
-

Smart farming

Plantor, is the most technological
planter in the market.





Equipment levels

Planter Precision Planting

- Vdrive system
(variable sowing + row by row control)
 - Precision Planting pneumatic meters
 - Seed Sense 20/20 monitor
 - Vapply fertilization
Optional: Delta Force
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Planter Leaf

- Leaf hydraulic transmission (variable planting and fertilization).
- Precision Planting Pneumatic meter.
- Flexible driving to the seed meter with row-by-row shut-off.
- Leaf ORIZON monitor with planting quality index, doubles and skips.

Plantor LEAF

Main Features

The new **Plantor with Orizon Monitor** is entirely manufactured in Argentina, with technology developed through years of experience and knowledge in planting on our soil. Because no one knows the land better than those who were born and work on it every day.





Plantor Leaf

**Coulter blade
set and row unit**





-
- A.**
Double cover wheels, trapezoidal with rubber or cast iron belt.
 - B.**
Optional: beaver tail or compacting wheels.
 - C.**
Double leveling wheel $2\frac{1}{8} \times 15"$, $4 \times 15"$
 - D.**
Double 16" disc
 - E.**
Stubble cutting blade with skids.
 - F.**
Parallelograms
 - G.**
Flexible transmission
 - H.**
Double fertilizing disc
 - I.**
Crucianelli Mini Hopper
-

Accessories

Types of coultter blades

- 18" Turbo coultter blade with 18 waves
- 18" Direct coultter blade with 18 waves
- 18" Turbo coultter blade with 33 waves
- 18" Tango coultter plain Edge blade
- 18" Plain coultter blade



Fertilizing Double Disc

The fertilizing double disc is used to incorporate fertilizer to the side of the row and is composed of a 17" notched disc and a 15" plain disc.

The minimum distance to the planting line is 13 cm. Photo of fertilizing double disc.



Row cleaners

It is an accessory that is placed on the tool-bar in front of the planting line to prepare the surface, separating a minimal portion of stubble in front of the planter double disc.



Independent hydraulic unit

This accessory is designed to operate the blowing turbine independently of the tractor's hydraulic controls.



The Crucianelli Group today

The company was founded more than six decades ago by Nazareno Crucianelli continues to grow nonstop.

- **Talleres Metalúrgicos Crucianelli S.A.** has a plant of 30,000 square meters covered with the latest technology.
- **Crucianelli Fabril** has a surface area of 2,500 square meters.
- **Leaf Agtronics**, a precision agriculture company, has an industrial warehouse of 2,400 square meters.
- **Crucianelli Do Brasil** through the association with Piccin Group, it is a key player in the development of foreign trade goals.
- **Raíz** provides credit for the Argentine farmers. It is the first national company dedicated to the sale of agricultural machinery.
- **Nazareno Crucianelli Foundation** is a nonprofit organization dedicated to providing help and solutions to the community.
- **Metallo** is a company dedicated to industrial processes. Currently, it has an industrial warehouse of 6,000 square meters.





We are a **leading company** in the national market and our goal is to firmly establish ourselves internationally, supported by our experience and trajectory. With our mind set on constant innovation, we reinvent ourselves to continue providing our clients with the best results.

Due to our past, experience, and future vision, we are the technology that makes you grow.

Who we are

Born in the town of **Armstrong**, Santa Fe, Crucianelli S.A. is now a group of companies that leads the seeder market in Argentina, with great national coverage that includes more than 70 dealerships and products present all over the world.





Foreign trade

Crucianelli seeders and planters are present worldwide, with sales agents in Brazil, Russia, and the Caribbean. Currently, we export to 15 countries, positioning the Argentine Industry as a quality industry in the international market.





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