

IMPERADOR 3000 and 4000

Higher spraying efficiency



IMPERADOR 3000 and 4000

THE HIGHER SPRAYING EFFICIENCY PROVIDED BY IMPERADOR 3000 AND 4000 FROM STARA IS THE RESULT OF INNOVATIVE TECHNOLOGIES COMBINED WITH PROVEN APPLICATION QUALITY. IMPERADOR MACHINES STAND OUT DUE TO THE GREAT APPLICATION ACCURACY, WHICH IS ENSURED BY THEIR CENTRAL BOOMS. ADDITIONALLY, TECHNOLOGIES SUCH AS THE CONTINUOUS RECIRCULATING SYSTEM, NOZZLE-BY-NOZZLE CONTROL SYSTEM, TWIN ROW SPRAYING SYSTEM, AND SMART 4-WHEEL-STEERING SYSTEM GUARANTEE HIGHER EFFICIENCY AND SIGNIFICANT SAVINGS. IMPERADOR 3000 AND 4000 ARE EQUIPPED WITH UP & DOWN - HYDRAULIC LIFT SYSTEM, A FEATURE THAT ALLOWS THE HIGHEST APPLICATION HEIGHT - 3 METRES, AND THE HIGHEST GROUND CLEARANCE ON THE MARKET - 2 METRES. THIS SYSTEM ALLOWS THE MACHINE TO ENTER THE CROP AFTER THE MAIZE TASSELLING STAGE.





Imperador 4000

IMPERADOR 3000 and 4000

Engine

Cummins electronic engine **6.7-260 CV** with a turbocharger for Imperador 3000 and **6-295 CV** with a turbocharger for Imperador 4000. In addition to more economy and durability, the engines emit fewer pollutants, cause fewer vibrations, and generate lower noise.

Improved Hydraulic System



It identifies the amount of oil that is needed to carry out different operations, especially the spray pump flow. It provides gains of an average of **8 CV**.

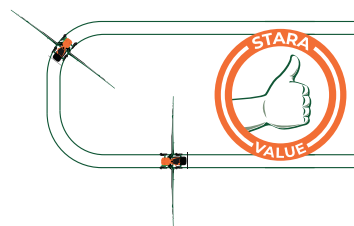
UP TO 2.5% SAVINGS ON FUEL

Oil reservoir tank

Single hydraulic system of **80 litres**.

Smart 4-Wheel-Steering System*

It allows for turning radius of **42%** shorter than conventional systems.



Up to
45%
less crop
damage
during steering
procedures on
your crop field

Optional feature

Stara Smart Transmission



With hydro-electronic transmission 4x4, the information is displayed on Topper, and diagnostics of components is in real-time.

Rigid chassis

It provides greater stability and few vibrations that result in optimum efficiency and greater comfort.

Product Incorporator

Easier to prepare the chemical solution and with the triple bottle rinse.



Ground clearance:
From 1.6 to 2 metres
when equipped
with Up & Down -
Hydraulic Lift System

Hydraulic wheel tread width
extending - from 2.9 to 3.5 metres

SPRAYING

Booms

The Imperador lineup is the only one in the world with central booms, which ensure more stability during applications, and guarantee

58% 
more of the chemical solution on target.*
* Data provided by FAPA - Portuguese acronym which stands for Agrarian Foundation of Agricultural Research

Chemical solution tank

Imperador 4000 - capacity of **4,000 litres**.
Imperador 3000 - capacity of **3,000 litres**. Its exclusive design works as wave breakers.

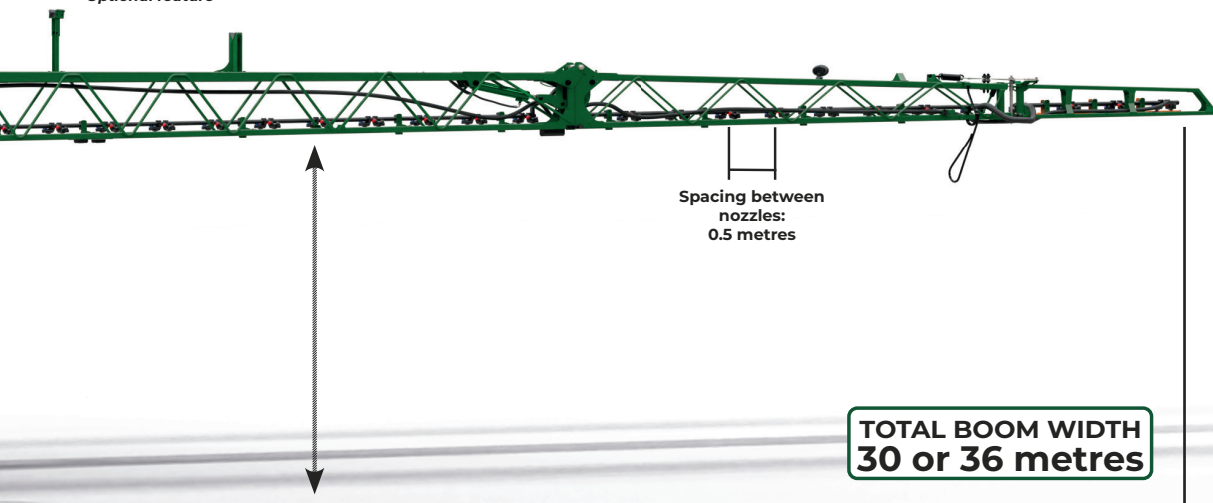
Clean water tank

400 litres of capacity.

Blue Beam*

It allows wide visibility during nighttime applications.

* Optional feature



Maximum application height from 2.6 to 3 metres when equipped with Up & Down - Hydraulic Lift System.

Self-Cleaning System

Imperador 3000 and 4000 automatically cleans the spraying system and the spray nozzles. As a result, providing more practical and efficient machine maintenance services.

Continuous Recirculating System*

This exclusive system keeps the chemical solution constantly moving inside the tank and piping system. What it provides:

- **Homogeneous chemical mixing during applications;**
- **Cleaner spraying, and no residual from the previous applications;**
- **Greater component durability.**

* Nozzle-by-Nozzle Control System feature

Watch the video
Continuous Recirculating System



Chemical Mixing

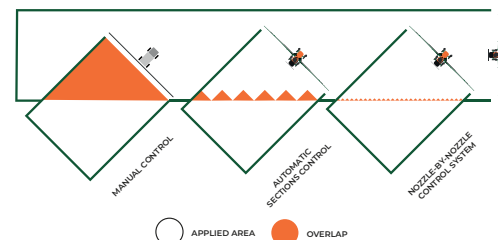
In addition to the mechanical solution mixer, the machine is also equipped with a propeller, which guarantees better solution homogeneity for high-quality application.

Nozzle-by-Nozzle Control System*

It shuts off the spray nozzle automatically, when Topper controller identifies an area where the chemical has already been applied, preventing overlap and reducing product waste.

* Optional feature

**UP TO 5% SAVINGS ON
CHEMICALS**



Twin Row Spraying System*

It consists of two spray nozzles that allow applications with greater working speed amplitude. Consequently, increasing the operational efficiency. These lines can work either alternated or together. The spraying is carried out with ideal pressures, and the system **guarantees excellent application quality by maintaining product drop size uniform and avoid them from drifting away.**

* Optional feature

Weight distribution



Boom stability is achieved thanks to the machine weight distribution - 50% on the rear section and 50% on the front section.

UP & DOWN HYDRAULIC LIFT SYSTEM*

** Optional feature*

It permits the operator to elevate the ground clearance by **40 centimetres**, from **1.6 to 2 metres**. This system is activated by Topper 5500.

ADVANTAGES

- Pest and disease control when the maize plants are in tasselling stage;
- Plants less susceptible to the influence of pests and diseases and crop yield increase.



FROM 1.6 METRES

**APPLICATION
HEIGHT
UP TO 3 METRES**

**WHEN
NECESSARY,
JUST LIFT IT
+40
CENTIMETRES**



TO 2 METRES

TECHNOLOGY

TOPPER 6500

Topper 6500 is the new Precision Agriculture controller developed by Stara. The company is a pioneer in developing its own technologies and debuts to the market, a new version of the device that delivers faster information processing and easy operations in the field.

TD3 Auto Steering

A robust and electro-hydraulic system that ensures a shorter response time for operations by using auto steering. As a result, it reduces failures and overlaps. Additionally, it reduces crop damage and allows for the following machine traffic for operations.

CONECTA

It is a remote access service that connects the operator, in real-time, to the After-Sales technician in the Stara factory. The connection is established through Topper which ensures fast and assertive support. **Whenever you need, just connect it! An agile and at no cost after-sales available straight to your machine cab.**

Free Signal Correction*

It adds the best experience in signal correction, ensuring higher precision in crop field operations. It is recommended for auto steering operations that require path following. It delivers a precision of 2.5 cm**, considerably reducing crop damage losses and overlap. As a consequence, it provides a higher operational yield.

* Optional feature

** There is no need for a base station to repeat the signal.

Precision may vary according to the receptors capacity and weather conditions.



TELEMETRIA STARA

The farm in the palm of your hand.

Thanks to this system, you can manage your operations in the crop field in real time. Any device that has Internet access will provide you with.

Weather condition sensors

They provide temperature and humidity functions to help during applications. Additionally, as an optional feature, there are wind speed and wind direction functions.

Stara Spraying App

Position your mobile phone camera on the QR code and download Stara's Spraying App, and check the savings that Imperador can provide your farm with.



TECHNICAL SPECIFICATIONS

Model	Imperador 3000
Weight	11,880 kg and 12,530 kg when equipped with Up & Down - Hydraulic Lift System
Length	8.7 m
Booms	30 or 36 m
Width (folded booms)	3.2 m
Height	4 m and 4.4 m when equipped with Up & Down - Hydraulic Lift System
Distance between axles	4 m
Wheelset extending	From 2.9 to 3.5 m
Ground clearance	From 1.6 to 2 m when equipped with Up & Down - Hydraulic Lift System
Chemical solution tank	3,000 L
Clean water tank	400 L
Product incorporator and rinse tank	40 L
Trijet nozzle holder	Spacing of 0.5 m
Fuel tank	400 L
Spray pump	Stainless steel - 803 L/min
Tyres	380/90 R46
Engine	Cummins electronic engine 6.7 - 260 cv with turbo charger
Controller	Topper 6500
Application height	From 2.6 to 3 m when equipped with Up & Down - Hydraulic Lift System
Agitation system	Hydraulic agitator and mechanical mixer with propeller
Optional features	Up & Down - Hydraulic Lift System Nozzle-by-Nozzle Control System Twin Row Spraying System Smart 4-Wheel-Steering System Blue Beam Rear-view camera Self-supply pump

Model	Imperador 4000
Weight	12,120 kg and 12,770 kg when equipped with Up & Down - Hydraulic Lift System
Length	8.7 m
Booms	30 or 36 m
Width (folded booms)	3.2 m
Height	4 m and 4.4 m when equipped with Up & Down - Hydraulic Lift System
Distance between axles	4 m
Wheelset extending	From 2.9 to 3.5 m
Ground clearance	From 1.6 to 2 m when equipped with Up & Down - Hydraulic Lift System
Chemical solution tank	4,000 L
Clean water tank	400 L
Product incorporator and rinse tank	40 L
Trijet nozzle holder	Spacing of 0.5 m
Fuel tank	400 L
Spray pump	Stainless steel - 803 L/min
Tyres	380/90 R46
Engine	Cummins electronic engine 6.7 - 295 cv with turbo charger
Controller	Topper 6500
Application height	From 2.6 to 3 m when equipped with Up & Down - Hydraulic Lift System
Agitation system	Hydraulic agitator and mechanical mixer with propeller
Optional features	Up & Down - Hydraulic Lift System Nozzle-by-Nozzle Control System Twin Row Spraying System Smart 4-Wheel-Steering System Blue Beam Rear-view camera Self-supply pump

LEARN MORE

Position your mobile phone camera on the QR code to check it out!

Video

See for yourself, Imperador 3000 and 4000 operation quality in the crop field.



360° visibility from the machine cab

It adds great peripheral view, more comfort and ergonomics for the operator, which eases the commands operation access.



Website

Access Imperador 3000 and 4000 homepage on Stara website for more information.



Stara Maintenance Program

Your machine ready for operations at all times. Access and learn more.



THIS SPACE IS INTENDED FOR DEALERSHIP DATA

www.stara.com.br/en

STARA S.A. Agricultural Implements Industry | Av. Stara, 519 - Post office box 53 - Não-Me-Toque/RS - Brazil | Phone/Fax: 55 54 3332 2800 | Postcode: 99470-000 | Email address: contact@stara.com.br

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