

**Stara**  
Constant Evolution

## **IMPERADOR 3000 and 4000**

The best spraying  
efficiency



# IMPERADOR 3000 and 4000

THE BEST SPRAYING EFFICIENCY OF 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 ITS CENTRAL BOOMS. BESIDES, TECHNOLOGIES SUCH AS THE CONTINUOUS RECIRCULATING SYSTEM, NOZZLE-BY-NOZZLE CONTROL SYSTEM, TWIN ROW SPRAY SYSTEM, AND SMART 4-WHEEL STEERING SYSTEM GUARANTEE HIGHER ACCURACY AND SIGNIFICANT SAVINGS. IMPERADOR 3000 AND 4000 IS 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 TASSELLING STAGE.





Imperador 4000

## IMPERADOR 3000 and 4000

### Engine

Cummins electronic engine **6.7-260 CV** with turbo charger. Besides providing considerable savings and longer life, the engine emits low pollutants, causes fewer vibrations, and generates 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**.

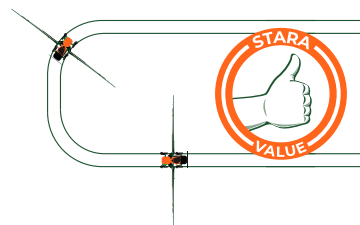
# UP TO 2.5% SAVINGS ON FUEL

### Oil reservoir

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 manoeuvres on your crop field

\* Optional item

### Stara Smart Transmission



With hydro-electronic transmission 4x4, information is displayed on Topper 5500, 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.



### THE HIGHEST RAMP CAPACITY ON THE MARKET 32%\*



It allows the machine to work over bumpy terrains.

\*Imperador 3000 model without Up & Down - Hydraulic Lift System

Imperador 4000

without Up & Down - Hydraulic Lift System: 30%

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

Hydraulic wheel tread width extending - from 2 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

## Solution tank

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

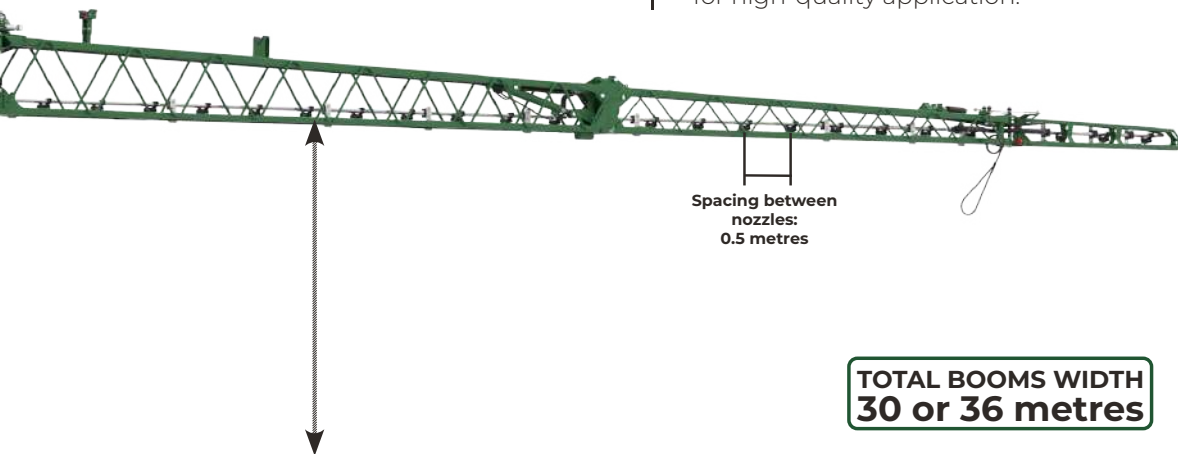
## Clean water tank

**400 litres** of capacity.

## Blue Beam\*

It allows wide visibility during nighttime applications.

\* Optional item



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

## Continuous Recirculating System\*

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

- homogeneous chemical mixing during applications;
- cleaner spraying, and no residual from the previous applications;
- greater components durability;

\* Nozzle-by-Nozzle Control System feature

Watch the video  
Continuous Recirculating System



## Mechanical Solution Mixer

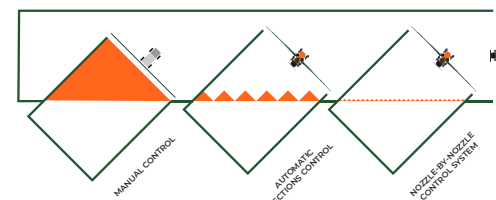
In addition to the mechanical solution mixer, the machine is also equipped with a propeller, which guarantees better solution evenness for high-quality application.

## 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 item

UP TO 5% SAVINGS ON CHEMICALS



 APPLIED AREA  OVERLAP

## Twin Row Spray 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 drip size even and avoid them from drifting away.**

\* Optional item

## Weight distribution



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

## UP & DOWN HYDRAULIC LIFT SYSTEM\*

*\* Optional item*

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

### ADVANTAGES

- Pest and diseases control when the 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 5500

The complete controller for Precision Agriculture, designed and manufactured by Stara. Its touch screen provides efficiency and more interactivity between the machine and the operator.

### TD3 Auto Steering

Robust and reliable system that guarantees shorter response time. It reduces fails and overlaps, crop damage, and the next machine traffic control becoming possible for further operations.

### CONECTA

Conecta is a remote access service that connects the machine, in real-time, to an After-Sales technician in the factory. The connection is established through Topper 5500, ensuring fast and assertive support. **Whenever you need, just connect it! An agile and at no cost after-sales available straight to your cabin.**



### TELEMETRIA STARA\*

**The farm in the palm of your hand.** Through this system, you can manage your operations in the crop field in real-time. Any device that has Internet access, might provide you that.

*\* Optional item*

### Weather condition sensors

The Weather Condition Sensors offer temperature and humidity functions, which boost the application efficiency of Imperador machine. Besides, they offer as an optional feature, 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 bring to your farm.



## TECHNICAL SPECIFICATIONS

<b>Model</b>	Imperador 3000
<b>Weight</b>	11,880 kg and 12,530 kg when equipped with Up & Down - Hydraulic Lift System
<b>Length</b>	8,7 m
<b>Booms</b>	30 or 36 m
<b>Width (folded booms)</b>	3,2 m
<b>Height</b>	4 m and 4,4 m when equipped with Up & Down - Hydraulic Lift System
<b>Distance between axles</b>	4 m
<b>Wheelset extending</b>	From 2,9 to 3,5 m
<b>Ground clearance</b>	From 1,6 to 2 m when equipped with Up & Down - Hydraulic Lift System
<b>Solution tank</b>	3,000 L
<b>Clean water tank</b>	400 L
<b>Product incorporator and rinse tank</b>	35 L
<b>Trijet nozzle holder</b>	Spacing of 0,5 m
<b>Fuel tank</b>	340 L
<b>Spray pump</b>	Stainless steel - 803 L/min
<b>Tyres</b>	380/90 R46
<b>Engine</b>	Cummins electronic engine 6,7 - 260 cv with turbo charger
<b>Controller</b>	Topper 5500 VT
<b>Application height</b>	From 2,6 to 3 m when equipped with Up & Down - Hydraulic Lift System
<b>Agitation system</b>	Hydraulic agitator and mechanical mixer with propeller
<b>Optional items</b>	Up & Down - Hydraulic Lift System Nozzle-by-Nozzle Control System Twin Row Spray System 4-Wheel Steering System Blue Beam Rear-view camera Telemetria Stara Self-filling pump

<b>Model</b>	Imperador 4000
<b>Weight</b>	12,120 kg and 12,770 kg when equipped with Up & Down - Hydraulic Lift System
<b>Length</b>	8,7 m
<b>Booms</b>	30 or 36 m
<b>Width (folded booms)</b>	3,2 m
<b>Height</b>	4 m and 4,4 m when equipped with Up & Down - Hydraulic Lift System
<b>Distance between axles</b>	4 m
<b>Wheelset extending</b>	From 2,9 to 3,5 m
<b>Ground clearance</b>	From 1,6 to 2 m when equipped with Up & Down - Hydraulic Lift System
<b>Solution tank</b>	4,000 L
<b>Clean water tank</b>	400 L
<b>Product incorporator and rinse tank</b>	35 L
<b>Trijet nozzle holder</b>	Spacing of 0,5 m
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## 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 cabin

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.



THIS SPACE IS INTENDED FOR DEALER'S DATA

[www.stara.com.br](http://www.stara.com.br)

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