


## **IMPERADOR 2500**

More autonomy and efficiency  
for your crop field





The technology and innovation of the Imperador line are allied to high operating yields. Imperador 2500 delivers more autonomy, higher product capacity, and especially, the excellent spraying that only Stara can provide you with. Additionally, it features the Stara technology package with exclusive solutions that cooperate for high yields in the crop field.



IMAGE MERELY ILLUSTRATIVE

## IMPERADOR 2500

CUMMINS® ELECTRONIC ENGINE OF

# 213 CV

TURBO INTERCOOLER

It features a longer durability, emits low pollutants, and lower noise.

### Stara Smart Transmission System

With hydro-electronic transmission 4x4, information is displayed on Topper 5500, and the diagnostics of components is in real-time. Additionally, the fuel consumption is lower, there are safer operations and higher operation yield.

### Weight Distribution



As the machine spray booms are central, the weight is **distributed 50% on the front axle and 50% on the rear axle** to increase the traction capacity.

### THE HIGHEST RAMP CAPACITY OF THE CATEGORY

It allows the machine to operate over bumpy terrains.



### Hydraulic Wheel Tread Width Extending:

## 2.6 to 3.2 metres

### Rigid Chassis

Greater stability and less vibration result in optimum efficiency and greater comfort.

### TOTAL LENGTH OF THE BOOMS

## 30 metres



# SPRAYING

## Spray booms

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

# 58%



more chemical on target.\*

\* Data provided by FAPA - Portuguese acronym which stands for Agrarian Foundation of Agricultural Research.

## Continuous Recirculating System\*

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



- Homogeneity and the exact chemical concentration during applications;
- Cleaner spraying system, without residues from previous applications;
- Longer components durability.

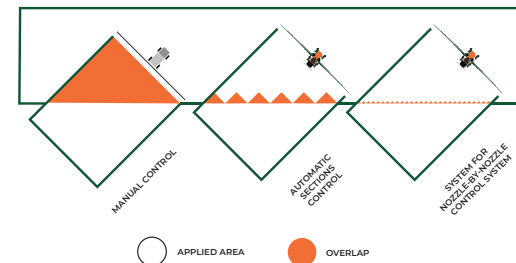
\*Available on Top configuration

## Nozzle-by-Nozzle Control System\*

It shuts off the spray nozzle automatically in areas where the chemical has already been applied, preventing overlap and reducing product waste.

\*Available on Top configuration

# CHEMICAL SAVINGS OF UP TO 5%



## Product Incorporator and Rinse Tank

The system is mounted on the exterior of the machine and with a capacity of **35 litres**.

## Clean Water Tank

With a capacity of **250 litres**, its purpose is the chemical solution tank cleaning and spraying circuit cleaning.



### Application Height

From 0.8 metres to 2.2 metres.

### Ground Clearance

1.60 metres

# CHEMICAL SOLUTION TANK

CAPACITY OF

# 2,500 litres

## Smart 4-Wheel-Steering System\*

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

*\*Available on Top configuration*



UP TO

# 45%

## LESS CROP DAMAGE

ON THE BOUNDARY AND STEERING PROCEDURES IN YOUR CROP FIELD



## TECHNOLOGY

### TOPPER 5500 VT

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

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

### CONECTA

It is a remote access service that connects you, in real-time, to the After-Sales technician in the Stara factory. The connection is established through Topper 5500, which ensures fast and assertive support.

**Whenever you need it, just connect it!**  
**An agile and at no cost after-sales available straight to your machine cab.**

### Signal Correction

It adds the best experience in signal correction, ensuring excellent precision in crop field operations. It is recommended for auto steering operations that require path following. It delivers a precision of 2.5 cm\*\*, reducing crop damage losses and overlap significantly, resulting in higher operating yield.

*\* Optional feature*

*\*\* Without the need of a base station to repeat the signal. Precision may vary according to the capacity of the receptors and weather conditions*



### TELEMETRIA STARA

#### The farm in the palm of your hand

Telemetria Stara enables you to manage your operations in the crop field in real time. Any device that has Internet access will provide you with.

### Weather Condition Sensors

The Weather Condition Sensors provide temperature and humidity functions, which boost the application efficiency of Imperador. Additionally, it has optional features, 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 Imperador can provide your farm with.



## TECHNICAL SPECIFICATIONS

<b>Imperador 2500 Intermediate</b>	<b>Fuel tank</b>
<b>Unloaded tank weight</b>	250 litres
8,900 kg	<b>Controller</b>
<b>Length</b>	Topper 5500 VT
7.60 metres	<b>Auto steering</b>
<b>Height</b>	TD3
3.77 metres	<b>Tyres</b>
<b>Width (folded booms)</b>	RADIAL, 340/85 R38
3.20 metres	<b>Application height</b>
<b>Clean water tank</b>	From 0.80 metres to 2.20 metres
250 litres	<b>Ground clearance</b>
<b>Product incorporator and rinse tank</b>	1.60 metres
35 litres	<b>Engine</b>
<b>Spray booms</b>	Cummins® engine 213 cv with turbo intercooler
30 metres	<b>Traction control</b>
<b>Chemical Solution Tank</b>	Electronic system integrated
2,500 litres	<b>Weather condition sensors</b>
<b>Spray pump</b>	Yes*
Stainless steel - 430L/min	<b>Agitation system</b>
<b>Spraying technology</b>	Hydraulic agitator and mechanical mixer
Continuous Recirculating System - 7 sections	<b>Optional features</b>
<b>Trijet nozzle holder</b>	*Weather Condition Sensors (wind and wind direction)
0.50-metre spacing	
<b>Wheel tread width adjustment</b>	
2.60 m to 3.20 m	

## LEARN MORE

Read the QR code and check it out!

### Web

Access the Imperador 2500 page on Stara website for more information.



## TECHNICAL SPECIFICATIONS

<b>Imperador 2500 Top</b>	<b>Fuel tank</b>
<b>Unloaded tank weight</b>	250 litres
8,900 kg	<b>Controller</b>
<b>Length</b>	Topper 5500 VT
7.60 metres	<b>Auto steering</b>
<b>Height</b>	TD3
3.77 metres	<b>Tyres</b>
<b>Width (folded booms)</b>	RADIAL, 340/85 R38
3.20 metres	<b>Application height</b>
<b>Clean water tank</b>	From 0.80 metres to 2.20 metres
250 litres	<b>Ground clearance</b>
<b>Product incorporator and rinse tank</b>	1.60 metres
35 litres	<b>Engine</b>
<b>Spray booms</b>	Cummins® engine 213 cv with turbo intercooler
30 metres	<b>Traction control</b>
<b>Chemical Solution Tank</b>	Electronic system integrated
2,500 litres	<b>Smart 4-Wheel-Steering System</b>
<b>Spray pump</b>	Yes
Stainless steel - 430L/min	<b>Weather condition sensors</b>
<b>Spraying technology</b>	Yes*
Continuous Recirculating System - Nozzle-by-Nozzle Control System	<b>Agitation system</b>
<b>Trijet nozzle holder</b>	Hydraulic agitator and mechanical mixer
0.50-metre spacing	<b>Optional features</b>
<b>Wheel tread width adjustment</b>	*Weather Condition Sensors (wind and wind direction)
2.60 m to 3.20 m	

THIS SPACE IS INTENDED FOR DEALERSHIP DATA

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

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