

HÉRCULES 4.0

Faster and higher efficiency
with superior spreading



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STARA ESTABLISHED TRADITION, IN MANUFACTURING SELF-PROPELLED SPREADERS, COMBINED WITH HÉRCULES 4.0 SUPERIOR QUALITY IN SPREADING OPERATIONS. HÉRCULES 4.0 PROVIDES FASTER AND HIGHER EFFICIENCY IN OPERATIONS, WITH SUPERIOR QUALITY IN SPREADING AND PRECISION IN PRODUCT METERING, AS A CONSEQUENCE, OPTIMIZING THE CROP FIELD RESULTS. THE MACHINE DESIGN IS ROBUST AND BOLD, AND BY THE WAY, IT ALSO FEATURES THE MOST COMPREHENSIVE TECHNOLOGICAL PACKAGE OF ITS CATEGORY.





Stara

HERCULES 4.0

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HÉRCULES 4.0

Engine

MWM electronic engine with **190 cv** and low fuel consumption. Besides providing considerable savings and longer life, the engine emits low pollutants, causes less vibrations, and generates lower noise. Autonomy of up to **15 h** of operations.

Hydrostatic transmission

The system is comprised of hydraulic axial piston motors and planetary gear reducers that ensure higher application speeds and torque. As a result, this system increases operational yield without jeopardising the application quality.

Optimised hydraulic system

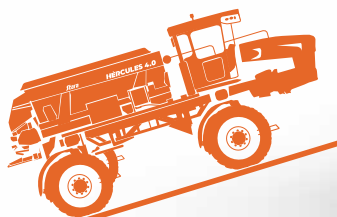
It features a hydraulic system with a 100-litre reservoir only, and a minimum level and temperature sensor, providing lower maintenance costs and more protection and safety to the system.

The LS pump (Load Sensing) automatically adjusts the oil flow and pressure by using only the required power to carry out the machine operations, resulting in savings and improving the spreader performance.

31%

RAMP CAPACITY

It allows the machine to operate over bumpy terrains.



Cabin

It provides great visibility and low noise levels. The seat features pneumatic adjustment and the steering wheel is adjustable, consequently providing maximum comfort to the operator.

Lighting

Hércules 4.0 provides you with stronger lighting since it is equipped with 13 LED lights that add greater comfort and safety to the operator during nighttime applications.

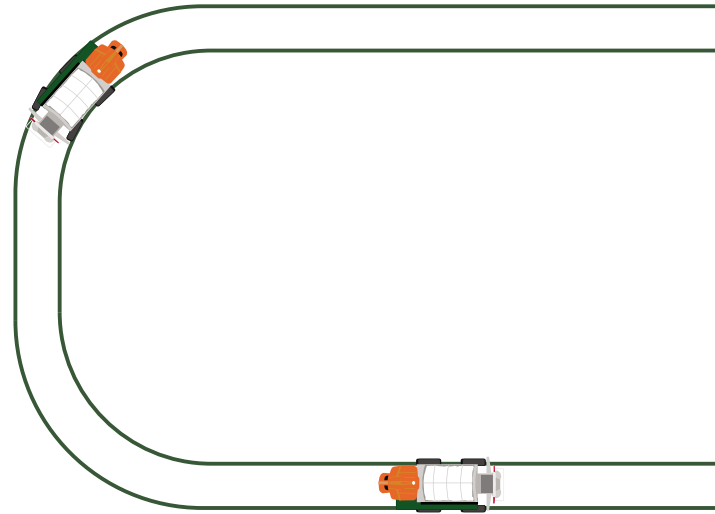


Ground clearance:
1.4 metres

Smart 4-Wheel Steering System*

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

* Optional feature



Up to
45%
less crop damage
on the boundary and
steering procedures
on your crop

Hopper

Stainless steel hopper with high resistance and durability. **4m³ capacity.**

Active pneumatic suspension

It offers a better machine levelling even on bumpy terrains and keeping spreading uniform.

Electrical system

The electric system consists of modular wiring harnesses integrated into the machine. They are properly positioned inside protective electric conduits, preventing the wiring harness from direct exposure to corrosive products and weather conditions, consequently increasing the lifespan of wiring harnesses.

ADJUSTMENT OF THE APPLICATION RANGE

UP TO **36 metres***

The vanes are adjustable and deliver great spreading uniformity.

** It depends on the product and application speed*

Easy to calibrate



Only one funnel for calibration, spreading and drain of the product can provide a faster process.



Variable rate

By means of **Topper 5500**, Hércules 4.0 performs applications with fixed or variable rates. **The greatest advantage of variable rate is application precision which is indicated by the metering prescription maps. Only the required amount is applied for each area, resulting in fertiliser savings and boosting productivity.**

Twin Feedgate System with product flow divider



The Twin Feedgate System allows for the closing of only one side of the hopper, avoiding product application in the areas that have already received the product consequently delivering

SAVINGS OF UP TO 2.58% in fertilisers.

SUPERIOR QUALITY IN SPREADING OPERATIONS COEFFICIENT OF VARIATION 12%*

** It may vary according to the product and weather condition*

Conveyor belt

Easy-to-adjust rubber conveyor belt that features a self-centring system. Additionally, it is equipped with carrying idlers that ease the machine operation, avoid overload, and provide higher spreading precision. Its carbon-steel-plate components can provide longer equipment lifespan.

Rear-view camera

It enables the operator to see the twin feedgate operation, besides assisting on machine steering procedures.



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

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.

CONNECTA

Conecta is a remote access service that connects the machine, in real-time, to the 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 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 will provide you with.

** Optional feature*

SYNCRO*

Data transmission system via radio which allows the synchronized communication between the machines and provides better planning and faster crop field operations, avoiding overlaps and saving fertilisers.

** Optional feature*

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 the precision of 2.5 cm**, considerably reducing crop damage losses and overlap, as a consequence, it provides higher operational yield.

** Optional feature*

**** There is no need for base station to repeat the signal. Precision may vary according to the receptors capacity and weather conditions.**



LEARN MORE

Position your mobile phone on QR code to read it and check it out!

Video

See for yourself, Hércules 4.0 spreading quality in the crop field.



360° visibility cabin

Spacious, comfortable, an ergonomic. It adds great peripheral view, more comfort and and ergonomics for the operator, which eases the command units access.



Website

Access Hércules 4.0 homepage on Stara website for more information.



Manufacturing Department reserves the right to make changes on the product features without prior notice. Images merely illustrative.

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TECHNICAL SPECIFICATIONS

Model

Hércules 4.0

Empty hopper weight

7,630 kg

Length

7.65 m

Width

3.2 m

Height

3.9 m

Ground clearance:

1.4 m

Load capacity

Up to 4,000 kg or 4 m³

Operation speed

From 8 to 24.5 km/h

Wheel tread width extending

From 2.7 to 3.3 m

Fuel tank

1 tank with 210 litres

Engine

MWM electronic engine with 190 cv

Tyres

13.6 R38

Rims

DW12 x 38 - 10 holes

Flow

From 15 to 1,250 kg/ha
(depends on product type and operation speed)

Spinner disks

27-36

Spreading width

Up to 36 m

Optional features

Telemetria Stara

Syncro

Smart 4-Wheel Steering System

Signal correction

Crop row shield for cotton crops

www.stara.com.br

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