

New Holland wins Machine of the Year Brazil

- *The Guardian SP310F sprayer, the only sprayer in Brazil with a front boom, won in the Spraying Machines category*

Brazil; April 2024

New Holland won the **Machine of The Year Brazil 2024/2025** award in the Spraying Machines category with the Guardian SP310F high-performance sprayer, which is being launched during Agrishow 2024, **the largest agricultural fair in Latin America**. The announcement was made by the organizers of the award on April 30, during the 29th edition of the show. The Guardian has previously earned an **AE50 award from the American Society of Agricultural and Biological Engineers (ASABE)** in the United States in 2023.

The Guardian was chosen by a technical committee made up of researchers from various regions of the country. The committee who analyzed the characteristics of the products based on technical and scientific criteria, considering not only functionality and performance, but also ethical issues, **sustainability and the potential to transform industries and societies**.

Designed to cover large areas of crops, the Guardian SP310F has a front spray boom width of 36.6 or 40.2 metres (120 or nearly 132 feet) and lots of onboard technology. It allows greater control of the targets in the field, enhancing quality and safety in operations.

The only sprayer in Brazil with a front boom, the Guardian SP310F ensures that the product applied immediately reaches the target, optimizing control in the field. The unique suspension with front boom and technology onboard allows for applications at higher speeds with greater quality and safety. Considering these features, the Guardian can increase operating income on average by up to 50 percent.

The Guardian SP310F features a **high-tech, high-capacity package** to meet the demand for precision farming. As well as being connected, it has the **IntelliView™ 12 monitor**, which enables remote access. The connectivity of the machines enables better fleet management, as well as control and support in agricultural operations, since they are fully connected to the customer portal, FieldOps. In addition, the sprayer can be monitored by the IntelliCentre, a center with specialists focused on increasing machine availability in the field.

The design is another strong point of the Guardian SP310F. It allows for perfect weight distribution between the rear and front axles, making it possible to enter the field earlier

in conditions of high soil moisture and make applications in the later crop stages. The compressed air system, coupled with the spraying system, allows all the liquid inside the pipe to be eliminated, keeping the spray bar clean at all times. The variable clearance from 1.83 to 1.98 meters (6 to nearly 6.5 feet) also allow for late applications on maize without damaging the crop.

With a stainless-steel tank, which is easier to clean, with a capacity of 4,500 liters (1,188 gallons), the Guardian SP310F ensures greater autonomy in operations. Equipped with the FPT NEF6 / 6.7 liter Tier 4B engine with 289 hp, it has an automatic engine propeller reversal system for cleaning the radiator.

Thinking of the environment

The recirculation system makes it possible to **standardize and load the product onto the bar before starting the operation, without wasting product**. At the end of the operation, all the residue is returned to the tank for proper disposal. The electric valves, combined with the recirculation system, enable automatic filling and refilling of the spray pipe. After the operation, this set enables the entire spraying system to be automatically rinsed, collected and cleaned.

In addition, the IntelliHeight™ XRT height control, with 7 sensors for maximum stability and the ability to follow the ground surface, combined with the IntelliSpray™ II nozzle-to-nozzle control, offer maximum precision to deliver the ideal droplet at the right dose and on the chosen target to extract the maximum yield potential from the crop.

The Guardian SP310F also has a **premium, pressurized and extremely safe cab** for the operator with an active carbon filter, full view of the boom and fully assisted operation. The independent suspension with the front bar, combined with the Guardian's unique cab, allow for an extremely comfortable and ergonomic operation. In addition, the onboard technology allows the operator to monitor all the machine's parameters with the minimum possible intervention.

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For over 125 years, New Holland has supported farmers with the technology, solutions and services they need for productive agriculture. It has a history of driving innovation, providing the answers to customer needs with a broad range of agricultural and light construction equipment. With proven production machines that utilize the latest alternative fuel technology to power the sustainable revolution in farming, we are the sector's Clean Energy Leader. Our expertise and innovations are backed by precision connected services and supported by a dedicated and global dealer network with a strong territory presence.

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