

SUPERIOR TECHNOLOGY
APPLICATION IN ALL CROP PHASES

NEW PATRIOT 350

PRECISION IN EACH DROP, NOW WITH THE HIGHEST GROUND CLEARANCE

A Brand of CNH Industrial

CASE II
AGRICULTURE

RETHINK PRODUCTIVITY



PATRIOT 350

MEET THE 2020 MODEL

The new Patriot 350 arrives with a new ground clearance of 1.73 m to ensure quality and end-of-cycle applications in crops such as corn and sugar cane. With its engines and high technology on board, it will guarantee applications of higher quality, performance and operational capacity.

Ideal for small, medium and large producers, the Patriot 350 comes equipped with the highest application technology.

Differentials that place the Patriot 350 at the top of ranking of sprayers in its category

- 3,500 L product tank: greater operational capacity.
- 27, 30 or 36 meter bar: greater operational capacity with fewer passes, less fuel consumption and greater spray area.
- 319 L product tank: greater operational capacity.
- low-rate system: allows low flow applications with high precision.



Its 250 hp Case IH FPT NEF engine, 6 liters, located at the rear, the cab at the front and the centralized product tank provide excellent weight distribution and excellent stability, in addition to less soil compaction.

In addition to having excellent autonomy and great stability of the spray boom, the new Patriot 350 model 2020 is robust, efficient and versatile, which allows it to adapt to different types of crops with agility and operational simplicity.

The new Patriot 350 is equipped with autopilot, automatic section cutting, PWM rate control and a precision agriculture AFS Case IH technology package, plus active suspension, boom centering technologies low-rate system, that make it the ultimate in spray technology.

- OPERATIONAL AVAILABILITY
- OPERATIONAL PERFORMANCE
- APPLICATION TECHNOLOGY

Higher application height with 2.5 m
GROUND CLEARANCE OF 1,73 m



CAB

STEERING

- Hydraulic
- With operator adjustment

INTERNAL SPACE

- Wide
- Comfortable seat with seven types of adjustment
- Instructional seat
- Air conditioner
- Pressurized cab
- Activated carbon filter

CONSOLE

- Simple operation
- Ergonomically located
- Operator's right armrest

EASY ACCESS

- Access from the front of the machine
- Ladder with hydraulic drive
- Wide opening lateral door

CONTROL LEVER

- Speed control
- Few buttons
- Easy to operate
- Vertical and horizontal movement of the bar with a single button to each side

SIT DOWN SYSTEM

- The machine only operates with the operator sitting on the seat

SIDE PANEL

- Excelent location
- displays key information of the machine
- Armrest for greater comfort
- Easy viewing



**WORK
+ SMART
AND COMFORTABLE
IN ANY CONDITION**

TANKS

GREATER OPERATIONAL AVAILABILITY

CAPACITY OF 319 LITERS OF DIESEL

74% more CAPACITY
versus the leading competitor

PRODUCT INCORPORATOR

- Liquid products
- 36.5 liters capacity
- Packaging washer
- Faster product supply and incorporation, providing greater operational availability

6% more CLEAN WATER TANK
versus the leading competitor

CLEAN WATER TANK
■ 350 liters

15% more SOLUTION TANK
versus the leading competitor

PRODUCT TANK
■ 3,500 liters
■ Level sight visible to operator
■ Adjustable and activated in-cab mixer system



Direct injection system (optional). Two tanks, with a capacity of 100 liters each, eliminate the need for chemical mixing inside the main tank. The product is injected from these tanks directly into the spray boom line. This makes the refueling much easier, savings in input and the possibility of using products that are incompatible in the mixture.



Product tank





SPRAYING BOOM

BOOM FEATURES

- Now with 27, 30 or a 36 meters boom.
- Rear Full boom
- Uniformity in application

SPRAYING

- Nozzles holder with three outlets
- 50.8 cm spacing between nozzles
- 72 nozzle holders (boom 36 m)
- 9 sections
- Quick-acting ball valves

BOOM PROTECTIONS

- Spring system
- Boom size: 3.5 m (137.8 in)
- Tip disarming up to 30°



AUTOCENTER

- Horizontal bar stability
- Keeps the boom perpendicular to the machine (90°)
- Ensures full use of the boom
- Improve the spraying performance

AUTOBOOM

- Horizontal boom stability
- Ultrasonic sensors
- Automatic boom height control
- Facilitates machine operation

SPRAY TIPS KIT

- Empty cone – TXA8003VK
- Patern deflector – TT11004-VP
- Double patern deflector – TTJ60-11002VP
- Versatility and application quality



AIM COMMAND FLEX

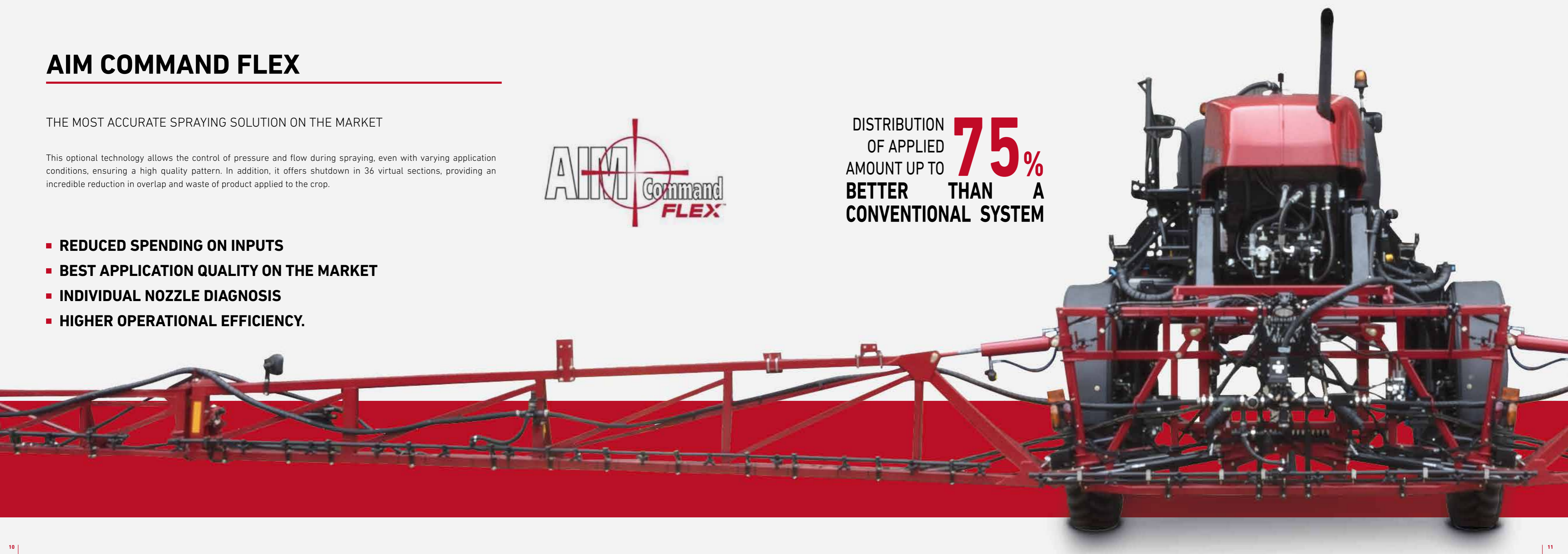
THE MOST ACCURATE SPRAYING SOLUTION ON THE MARKET

This optional technology allows the control of pressure and flow during spraying, even with varying application conditions, ensuring a high quality pattern. In addition, it offers shutdown in 36 virtual sections, providing an incredible reduction in overlap and waste of product applied to the crop.

- **REDUCED SPENDING ON INPUTS**
- **BEST APPLICATION QUALITY ON THE MARKET**
- **INDIVIDUAL NOZZLE DIAGNOSIS**
- **HIGHER OPERATIONAL EFFICIENCY.**

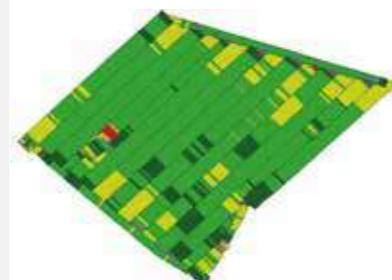


DISTRIBUTION
OF APPLIED
AMOUNT UP TO **75%**
**BETTER THAN A
CONVENTIONAL SYSTEM**





CONSTANT PATTERN OF APPLICATION, MAINTAINING THE TARGET RATE, EVEN VARYING THE SPEED

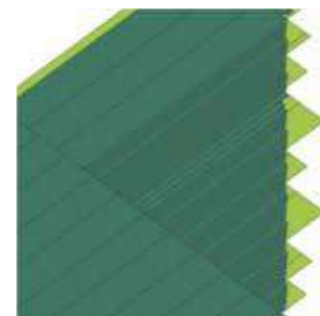


Without Aim Command Flex (L/ha)



With Aim Command Flex (L/ha)

CONTROL AND DIAGNOSIS NOZZLE TO NOZZLE.



9 sections



Nozzle to nozzle

BENEFITS

- Spray pressure and flow control
- Constant pattern of application, maintaining the target rate, even varying the speed
- Control and diagnosis nozzle to nozzle.
- Curve compensation
- Increased application speed range
- Drift reduction due to uniform application
- Constant drop size



THE REDUCTION IN INPUTS VARIES ACCORDING TO AREA AND CAN REACH **15% OF SAVING**

VALVES HUB AND SPRAYING PUMP



LOW-RATE SYSTEM

- Low flow valve - allows more precise adjustment of the low volume application rate
- Wide reading flow meter: allows accurate readings at high and low volume rates
- Highest application technology



SPRAYING PUMP

- Stainless steel centrifuge
- 549 L/min flow rate
- Controlled by PWM valve to ensure accurate application rates



VALVES HUB

- Excellent location
- Easy access
- Possibility of up to seven operations
- Convenience in refueling



ENGINE



UP TO **5%** OF FUEL SAVINGS.

CASE IH FPT

- Tier 3
- 250 cv
- 6 in line cylinders
- 6,7 L
- Common Rail
- Turbo intercooler
- 25% of power reserve
- 8,6% of power reserve

EXCLUSIVE SUSPENSION CASE IH

ACTIVE FRONT SUSPENSION

- Automatic hydraulic actuation of the suspension
- Ideal for rough terrain
- Assists in traction of the front wheel at pull
- Reduces component wear
- Increases machine performance

REAR SUSPENSION

- Very easy maintenance
- Spring and damper system

AUTOFOLD

- Opens and closes the booms with a single button
- Agility in operations
- Simplicity

BOOM HEIGHT

- Lever height control
- Range from 0.5 to 2.5 m

TRACKBASE

- Flexibility for different crops
- 3.05 a 3.99 m
- In-cab control
- Hydraulic adjustment
- Mechanic lock
- Greater practicality and reliability



PRECISION FARMING

AFS - SOLUTIONS FOR PRECISION AGRICULTURE

The protection of your crop is directly related to the effectiveness of the application of phytosanitary products made by your sprayer. The Patriot 350 is equipped with the highest application technology, including all AFS (Advanced Farming Systems) differentials, which increases the efficiency of the operation and optimizes the use of the applied products.

AFS PRO 700 MONITOR AND LIGHTBAR

Sprayer control and precision farming functions on a single monitor.

The AFS Pro 700 monitor (standard item for Patriot 350 sprayers) has one of the largest touch screen of the market and is a unique interface for precision farming and machine control. It has 6 screens with up to 12 configurable indicators per screen. In addition to the predisposition for sending and receiving wireless information, the AFS Pro 700 monitor has a USB port to record machine parameters and precision agriculture for management analysis in the software AFS.



AFS GUIDE – AUTO-PILOT

The hydraulic automatic pilot system of the AFS Guide drive the sprayer automatically, using the most precise, compatible, and trustworthy systems of GPS signal correction and Glonass available in the industry (Omnistar, RTX and RTK).

The AFS Guide integrated with the Patriot 350 improves the quality of the application, reduces failures and overlap, reduces footprint on the crop and increases the efficiency of the operation, leaving the operator free to concentrate on other machine functions.

COMPONENTS:

- Electro-hydraulic predisposition
- AFS Pro 700 monitor
- Navigation module – Nav II
- Receiving antenna 372
- RTK Radio



AFS CONTROL – AUTOMATIC SECTION CUT

The AFS Control automatic section cutting system electronically activates the spraying sections, acting on the opening and closing of the nozzles, in order to avoid overlap and, consequently, saving product (reducing the environmental impact).

AFS Control - greater application accuracy and reduced spray costs.

AFS SOLUTIONS - PRECISION AND MANAGEMENT IN PROTECTING YOUR CROP

- Failure reduction and overlap
- Greater efficiency in the spraying operation
- Optimization in the use of applied products
- Reducing environmental impact
- Simple operation
- Compatibility with RTK, RTX and Omnistar signal correction



SPECIFICATIONS

PATRIOT 350	
Engine	Case IH FPT, 6 cylinders, 6,7 L, 250 cv, turbo intercooler
Transmission	Hydrostatic, 4-wheel drive with auxiliary traction
Track gauge	305 - 399 cm, hydraulic adjustment by the cab
Wheight (net)	11,950 kg (boom 36 m)
Product tank	3,500 L
Distance between nozzles	50.80 cm (20 in)
Total length	8.46 m (225.8 in)
Overall height	3.66 m (137.8 in)
Total width	3.99 m (13.1 ft)
Wheelbase	3.81 m
Tire	380/90R46
GROUND CLEARANCE	1.73 m (68.1 in)
Turning radius	6.90 m (8.35 ft)
Boom size:	27 - 30 - 36 m
Boom height	50 + 250 cm
Tip disarming	30°
Tip size for 27, 30 and 36 meters	3.10 / 2.68 m
SUSPENSION	ACTIVE HYDRAULICS
Steering	Hydraulic
Fuel tank	319 L
Controller	AFS Pro 700
Application Control rate	PWM
PRODUCT PUMP	Hydraulic, centrifugal, stainless steel, 549 L / min
Rinse tank	350 L
Product incorporator	36.5 L
Hydraulic tank	105 L
Auto center (boom centering)	Standard
Auto boom (automatic boom height control)	Standard
Direct injection (two 100 L tanks)	Optional
Emergency brake	Optional
Aim Command Flex	Optional

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