

PATRIOT® 2250 SPRAYER



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CASE IH

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175 Engine HP | 660 Gal.

MAKE EVERY DROP COUNT

Every application window counts toward your bottom line. That's why you need equipment built to make the most of every piece of ground and every moment you spend in the field. Agronomically designed to deliver timely spraying for operators who need exceptional results, the Patriot 2250 sprayer combines the trusted cab-forward, rear-engine design with accuracy-enhancing features. This reliable, tried-and-true machine is ready to meet your unique needs.



PATRIOT 2250 SPRAYER

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GET THE JOB DONE RIGHT

In this line of work, timeliness and application quality aren't optional. That's why the Patriot 2250 sprayer is agronomically designed to bring operators consistent, high-performance chemical delivery. Featuring accurate applications throughout long days and short windows, the Patriot 2250 sprayer helps optimize your time without sacrificing results. With advanced precision options, a roomy, spacious cab and maximum crop clearance, you'll apply accurately and comfortably all at once.

HIT EVERY SPRAY WINDOW

Patriot series sprayers are known to maximize application windows, minimize compaction, and achieve exceptional spray accuracy:

- Proven **cab-forward, rear-engine design** helps you achieve timely application with more even weight distribution.
- Optimal weight distribution across machine ensures **less rutting and soil compaction**.
- **AIM Command FLEX™ advanced spray technology** optimizes application rates and droplet sizes for consistent application, regardless of speed and ground conditions.
- **Exceptional crop clearance**—62 inches with R42 tires—makes for worry-free operation.

SEE THE FULL PICTURE

Get a wider view of what's happening out in the field for superior performance:

- An abundance of glass provides **maximum, unrestricted visibility**.
- **Optional single camera**, plus the ability to configure with additional cameras, provides easy monitoring of center-section-mounted and boom-mounted nozzles.
- **The Case IH AFS Pro 700 or Viper 4+ display** mounts on the control console to provide at-a-glance viewing of rate control and guidance functions.

MAKE LONG DAYS FEEL SHORTER

A comfortable cab and productivity-enhancing features help you cruise through long days with ease:

- A **spacious, quiet cab environment** allows operators to stretch their legs and remain comfortable through long days.
- Sprayer control switches are ergonomically attached directly to your seat for easy access, with the most common controls placed on the hydrostatic control lever for **one-handed operation**.
- An adjustable **air-ride seat** allows for variations in position, ride firmness and lumbar support.
- **In-cab climate controls** provide a consistently cool and comfortable ride, no matter the field conditions.





SPRAY TECHNOLOGY THAT SUITS YOUR STANDARDS

GET USED TO HIGH-QUALITY SPRAYING. WITH AIM COMMAND FLEX ADVANCED SPRAY TECHNOLOGY, THE PATRIOT 2250 HELPS YOU GET THE MOST OUT OF EVERY LAST TANKFUL, HOUR AND ACRE.

SUPERIOR SPRAY TECH

AIM Command FLEX advanced spray technology **precisely controls product flow and spray pressure** to optimize application rate, spray coverage and accuracy over a range of speeds and field conditions.

HIGH-SPEED PERFORMANCE

Working at 10 pulses per second, AIM Command FLEX **nozzle control valves vary the duty cycle to maintain the correct application rate at any speed.** The system is designed to maintain consistent rate and pressure at speed ranges up to 8:1.

SMART CROP COVERAGE

Gain greater control with 36 separate “virtual” boom sections operating at once. **Cover consistently and accurately** to prevent overapplication.



ON-DEMAND DRIFT CONTROL

Preset two spray pressures and toggle between them while spraying for maximum control. Choose a second setting at lower pressure for selective drift control, or raise the second setting to a higher pressure to achieve greater canopy penetration when drift isn't a concern.

ADJUST FOR TURNS, CURVES AND NOZZLES

AIM Command FLEX automatically adjusts rates across the boom during field curves and turns, preventing application inconsistencies while leaving you to focus on higher-order tasks. An additional nozzle control valve diagnostic system spots malfunctioning nozzles so that you can address coverage concerns before they become a problem.

INSTANT ON/OFF

AIM Command FLEX helps reach target rate and spray pressure immediately after nozzles are turned on for instant results. Plus, zero pressure bleed-down or nozzle dribble at turn-off means you won't have to worry about overapplications.



ADVANCED BOOM CHOICES

THANKS TO A RUGGED AND DURABLE PARALLEL-LINK BOOM DESIGN, THE PATRIOT 2250 IS DESIGNED TO MAINTAIN BOOM POSITION AT ALL SPEEDS, INCLUDING HIGH-SPEED TURNS.

ACCUBOOM

- **AccuBoom automatic boom section control** automatically turns off boom sections when entering an area that has already been sprayed. When leaving the applied area, sections are turned back on.
- Operated through either the **AFS Pro 700 display or Viper 4+ controller** and a GPS system.

AUTOBOOM

- **AutoBoom® automatic boom height control** detects changes in terrain and adjusts the booms accordingly for improved target height accuracy.
- This technology not only decreases operator fatigue and wear and tear on the machine, but it also **increases the accuracy and coverage of applications.**
- Configure with **additional ultrasonic sensors** to maintain a level spray platform.

PARALLEL-LINK DESIGN

- **Strong, durable booms are built with robust material,** while the boom suspension design helps provide a stable platform for product application.
- The parallel-link design delivers the versatility you need—the **Patriot 2250 exclusively offers a 63-inch range of motion** for spraying pre-plant, post-tassel or anytime in between.



BOOM OPTIONS

- **From 60/80 ft. (18.3/24.4 M) to 60/90 ft. (18.3/27.4 M) configurations,** the Patriot 2250 offers multiple boom widths for use on any operation.

BOOM FLUSH VALVES OPTION

- Quick and easy boom flushing.
- Simple, durable design for effortless routine rinsing of product plumbing.

HAND-HELD REMOTE

- Automatically turn section valves and AIM Command FLEX nozzles on and off from outside the cab.
- Turn the product pump on and off from outside the cab to simplify the nozzle check or calibration process.



FINISH FIELD WORK FASTER

WE KNOW THAT TIME SPENT ON MAINTENANCE IS TIME SPENT AWAY FROM THE FIELD. THAT'S WHY THE PATRIOT 2250 IS DESIGNED TO BE A LOW-MAINTENANCE SPRAYER WITH QUICK, EFFICIENT SERVICING.

EASY REACH

- In-field service is simple with an open architecture design with easy access to components under the sprayer frame.
- Walkways and platforms make hard-to-reach service points easier to access.

ONE-STOP SERVICE SHOP

- A one-stop, easy-to-use service center with optional automated rinse lets operators perform all tendering functions from a single location, so maintenance can be performed quickly and efficiently.

FRONT AND REAR HOODS

- Lightweight, easy-open hoods on the Patriot 2250 give you unrestricted access to service items.
- This access point allows for quick checks or service and gets you back in the field sooner — enhancing the machine's productivity.

SMART WALKWAYS

- The Patriot 2250 offers a full-length walkway that provides easy access to all routine maintenance and inspection points on one side of the sprayer— including the fuel and DEF tanks, cab, product tank and engine compartment.

SPECIFICATIONS
PATRIOT 2250
CAB

Sprayer Control Case IH AFS Pro 700, Case IH Viper 4+

ENGINE

Engine Case IH FPT 6.7 L (409 cu. in.) inline 6-cylinder, 175 rated hp (131 kW), 190 peak hp (142 kW), 612 ft.-lbs. (830 Nm) peak torque, turbocharged, after-cooled, electronically controlled diesel, Tier 4 B/Final, SCR-only emissions system

Fuel Tank / DEF Tank 120 gal. (454 L) / 21 gal. (79.5 L)

CHASSIS

Ground Clearance 62 in. (158 cm) with R42 tires

Wheelbase 11 ft. 8 in. (3.6 m)

Turning Radius 22 ft. 7 in. (6.9 m) from center line of rear axle

Suspension 4-wheel independent trailing-link with spring and shock standard; active suspension optional

Wheel Track Adjustment 90–120 in. (229–305 cm) manual adjustment; optional hydraulically adjusted from the cab with manual stops at 2 in. (5.1 cm) increments

DRIVETRAIN

Drive Hydrostatic with full-time 4-wheel drive; four speed ranges can be shifted on-the-go

Travel Speed 28 mph (45 kph)

Steering Hydraulic power steering with master / slave re-phasing cylinders

TIRES

Tire Size Available with 320 / 90R42, 380 / 80R38 and 420 / 85R38

SOLUTION SYSTEM

Solution Tank Size 660 gal. (2500 L) poly

Rinse Tank 74 gal. (280 L)

OTHER TANKS AND CONTAINERS

Product Pump Centrifugal-hydraulic motor drive by product control system

Foam Marker 7 gal. (27 L) self-contained foam marker system

BOOM

Boom Length 60 / 80 ft. (18.3 / 24.4 m) or 60 / 90 ft. (18.3 / 27.4 m) self-centering

Nozzle Spacing 20 in. (50.8 cm) off-center or 20–30 in. (50.8–76.2 cm) with 30 in. (76.2 cm) on-center

Boom Adjustment Height 27–90 in. (68–228 cm)

Wingtip Breakaway 5 ft. 2.5 in. (1.6 m)

Full Boom Breakaway 23 degrees

OVERALL DIMENSIONS

Dry Weight 21,030 lb. (9540 kg)

Overall Height 12 ft. 2 in. (3.7 m)

Overall Width Wheels retracted 10 ft. 6 in. (3.2 m); wheels extended 11 ft. 6.5 in. (3.5 m)

Overall Length 28 ft. 10 in. (8.8 m)



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