

Patriot 4430 Sprayer Specifications	Description
Engine	Case IH FPT 8.7L (531 cu. in.) inline 6-cylinder, 325 rated hp (243 kW), 356 peak hp (266 kW), 1,084 ft-lbs. (1470 Nm) peak torque, turbocharged, after-cooled, electronically controlled diesel
Drive	Hydrostatic with full-time 4WD. Infinitely variable speed control returns wheel motor swash plates to maximum angle each time the hydro lever is returned to neutral. Allows maximum torque for each start.
Wheel Track Adjustment	120-157 in. (305-399 cm) hydraulically adjusted from the cab, with manual stops at 1 in. (2.5 cm) increments per wheel
Travel Speed	30 mph (48 kph)
Dry Weight	27,020 lbs. (12,256 kg) (90/100-ft. Boom); 28,520 lbs. (12,936 kg) (120-ft. Boom)
Solution Tank Size	1,200 gal. (4,542 L) stainless steel
Nozzle Spacing	20 in. (50 cm) off-center or 20-30 in. (50-76 cm) with 30 in. (76 cm) on-center
Overall Length	29 ft. 2 in. (8.9 m)
Overall Height	12 ft. (3.7 m)
Overall Width	Wheels retracted 11 ft. 6 in. (3.5 m); Wheels extended 14 ft. 7 in. (4.5 m)
Wheelbase	13 ft. 4 in. (4.1 m)
Tire Size	Available with 320/90R46, 380/90R46, 380/90R46 Michelin, 650/65R38 and 620/70R38
Ground Clearance	53 in. (135 cm)
Turning Radius	24 ft. 9 in. (7.5 m) from center line of rear axle
Boom Length	60/90 ft. (18.3/27.4 m), 60/100 ft. (18.3/30.5 m), 60/90/120 ft. (18.3/27.4/36.5 m) self-centering
Boom Adjustment Height	19-84 in. (48-213 cm)
Full Boom Breakaway	30 degrees
Wingtip Breakaway	90 ft. – 5 ft. 6 in. (1.7 m) / 100 ft. – 10 ft. 6 in. (3.2 m) / 120 ft. – 9 ft. (2.7 m)
Suspension	4-wheel, independent trailing-link with spring and shock standard; active suspension optional
Steering	Hydraulic power steering with master/slave re-phasing cylinders
Fuel Tank/DEF Tank	140 gal. (530 L) / 25 gal. (95 L)
Sprayer Control	Case IH SCS 5000, Case IH AFS Pro 700 or Case IH Viper Pro
Product Pump	Centrifugal-hydraulic motor driven by product control system
Foam Marker	55 gal. (208 L) high-volume foam marker system. Air supply taken from turbocharger or optional air compressor.



SAFETY NEVER HURTS!™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided. CNH America LLC reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions and illustrative material herein are as accurate as known at time of publication, but are subject to change without notice. Availability of some models and equipment builds varies according to the country in which the equipment is used.

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PATRIOT® SERIES SPRAYERS

NEW 2012 PREVIEW



NEW PATRIOT 4430 SPRAYER

- New Case IH FPT 8.7-liter engine: Fuel-efficient power and EPA Tier 4A compliance
- More power to you – 325 base hp that can grow to 356 hp
- New SCR engine technology – Simply top-off DEF tank during every other fuel fill
- Upgraded Case IH Surveyor Cab – 90.1 square feet of overall glass area
- New AFS Pro 700 display option – Faster, lighter, portable to Case IH Steiger, Magnum and Axial-Flow cabs
- Exclusive AIM Command® Spray System – Accurate, high-quality application
- New Michelin tire offerings – 380/90R46 SprayBib or 620/70R38



MAXIMUM UPTIME AND SERVICE LIFE

Just how tough are these machines? Here's a hint: Patriot Number One is still up and running. Maybe it's the welded one-piece tubular frame design. It could be the simple, durable aircraft-style suspension. And don't forget our booms and boom suspension. Just like Patriot frames, they are engineered for field conditions – maximum strength, unequalled durability, unmatched reliability.

Taking care of these sprayers is easy; everything is located on one side of the machine and easily accessible. That saves time, so maintenance is less likely to get skipped when things get busy.

SPRAYERS READY FOR TODAY'S DEMANDS



Custom applicators and growers alike are accustomed to long days during short application windows. They need machines ready to work as long and hard as they do – and do it as efficiently as possible.

So that's what the new Case IH Patriot® 4430 sprayer delivers:

- Added power in a more fuel-efficient package that also meets Tier 4A emissions requirements
- An improved Surveyor™ cab design to make the days - and acres - fly by in comfort
- And the most advanced spray technology on the market with the AIM Command spray system for accurate and consistent chemical delivery

MORE POWER TO SPRAY WHEN YOU NEED TO

With more than a 12 percent increase in horsepower over the previous model, the new **8.7-liter Case IH FPT engine** is rated at 325 horsepower and can grow to 356 hp at 2,100 RPMs. Utilizing SCR technology to meet Tier 4A emission requirements, the new engine is tuned for performance and efficiency, allowing you to cover more ground with less fuel.

In addition, the trademark Patriot cab forward, rear engine design creates more even weight distribution, so you get into fields sooner for more timely application, with less rutting and soil compaction – even as the tank empties. And 360-degree HID lighting and AFS AccuGuide™ guidance systems can add hours to your day so you take advantage of the right agronomic moment.

A COMFORTABLE, PRODUCTIVE ENVIRONMENT

The updated **Case IH Surveyor cab** offers more space to work and more glass to see what you're doing than anyone else. But that's just a part of the Patriot story. Our visibility – both to the front and the sides – is the best in the business, so you see less crop damage and less stress. Just line up the gun sight on the front of the hood and drive all day.

Line-of-sight instrumentation puts critical operating functions right up front, leaving you free to focus on the field ahead. Chassis and sprayer controls are attached directly to the sprayer seat or within the normal field of view for easy, intuitive operation.

The optional AFS Pro 700 color display offers sprayer guidance and application rate control plus track ground speed, acreage covered and other variables, and integrates with AFS software to store, view and manage precision farming data, helping you adjust for in-field variability and improve yield potential.



QUALITY OF APPLICATION

Constant rate, constant pressure, no matter what your speed: this adds up to better coverage and better weed control with the AIM Command spray system. You can hold down input costs while covering more acres within the ideal application window. Because our exclusive technology maintains a constant application rate under a range of speeds and conditions, you can use a single tip for multiple applications.

Plus, when your Patriot is equipped with AFS AccuGuide autoguidance, you can reduce skips and overlaps, eliminate foam marker expense and minimize operator fatigue. With AccuBoom automatic boom section control, automatically turn on and off boom sections using GPS-based as-applied maps.