



**Miller**

***NITRO***

**7000 SERIES**  
North America





# DESIGNED FOR YOUR COMFORT & PRODUCTIVITY

## QUIET, COMFORTABLE CONTROL

A wide, cloth-trimmed, air-ride seat ensures every operator stays comfortable even after extended spraying hours. Foot pegs on the steering column, a rear view camera, Automatic Temperature Control (ATC) system, Bluetooth and XM radio, push-button engine start and backlit, dimmable switches add up to major comfort. The multi-function handle puts all critical controls at your fingertips while the armrest console moves with you.



## PANORAMIC VISIBILITY

You'll appreciate the expansive view of the field and the full width of the boom thanks to the full height windshield, side window and door. The large, tinted, wrap-around rear windows provide excellent vision to the rear of the sprayer.







### LUXURY CAB OPTION INCLUDES:

- Heated and ventilated leather trimmed seat with self-adjusting air suspension, height adjustment and power lumbar
- 12-volt cooler under the leather trimmed instructional seat
- Leather-wrapped steering wheel
- Auto on/off headlights
- 110-volt power outlet
- X Grip for your cell phone





# INCREASE YOUR CONTROL & PRODUCTIVITY

## TAKE GREATER CONTROL WITH DUAL DISPLAYS

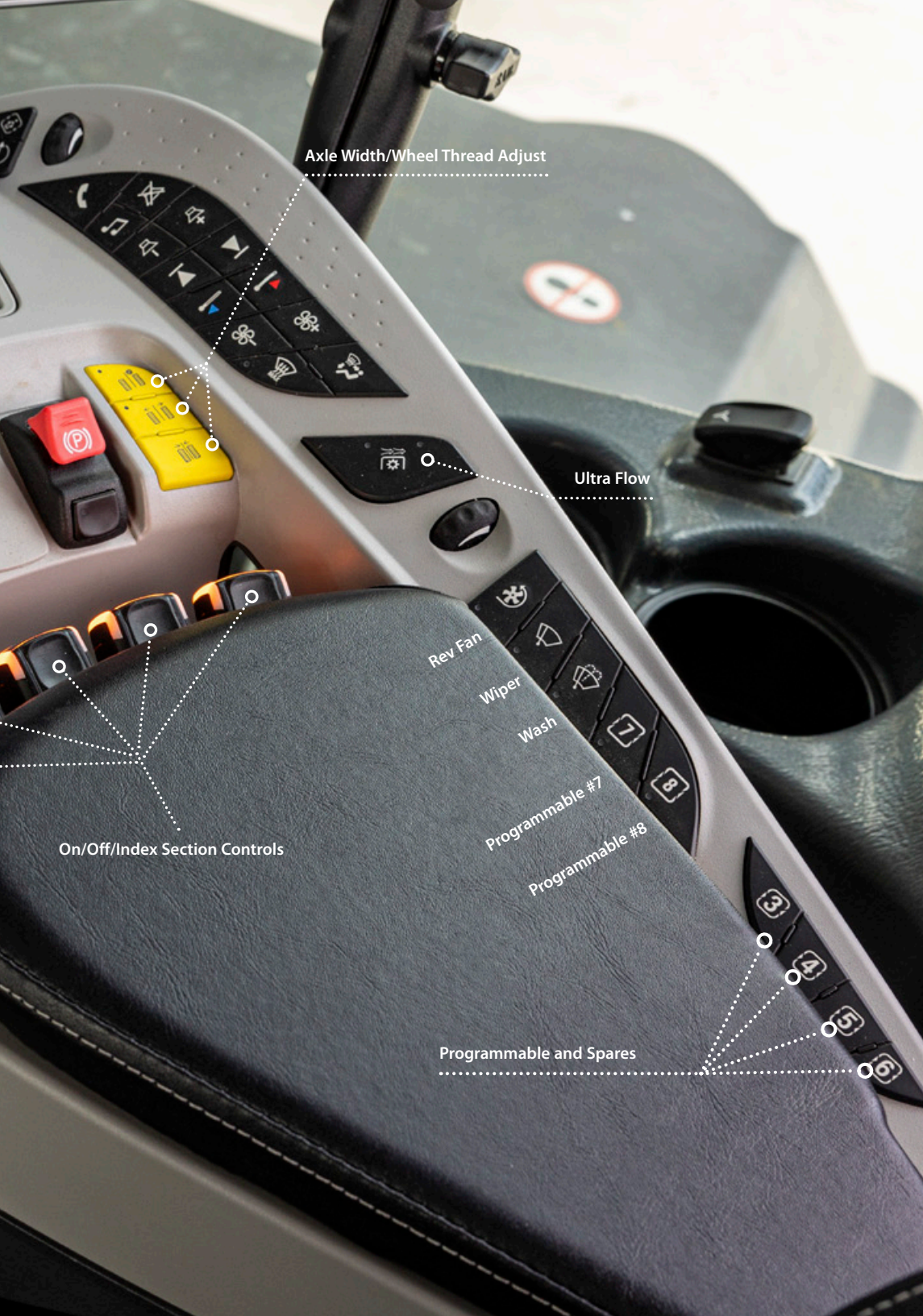
The SprayView™ 12 and Raven Viper® 4+ displays are intuitive, customizable and ready to meet the unique needs of your operation. Monitor your machine's vital functions at a glance, including suspension information, liquid management control, auto rinse functionality, 4-wheel steering, tread width adjustments and so much more.

## RECEIVE REAL-TIME INFORMATION ON THE GO

- **SprayView™ 12 display** monitors chassis settings and other information, including HVAC, radio and lighting controls, phone settings and more.
- **Viper® 4+** is the operator interface for product application control and RS1® Guidance.
- **A-post display** continually displays operating functions of the chassis, including speed, rpm, pressures, temperatures and fuel level. Mounted on the A-post in the cab, it never obscures your line of sight to the spray boom.







## KEEP YOUR MACHINE CONNECTED AND ON-TARGET WITH TELEMATICS\*

Experience the value of seamless connectivity across your operation with MyPLM™ Connect portal. With key chassis and machine information streaming into MyPLM™ Connect, you can more effectively integrate your Miller sprayer into your fleet, all while increasing accuracy in the field and confidence in applications across varying conditions. MyPLM™ Connect will help you:

- Organize fields, applications and agronomic data.
- Visualize agronomic data and applications.
- Monitor machine location and coordinate your fleet.
- Monitor current and historical machine performance.

*\* Includes 5-year subscription to MyPLM™ Connect*

## FINGERTIP COMMAND

Miller sprayer control systems give you fingertip command of all the spraying and chassis functions from the convenience of the operator seat. The newly updated cab features the PLM Intelligence™ Integrated SideWinder™ Ultra armrest for improved operator comfort and productivity. The armrest keeps critical functions, including HVAC and audio controls, at your fingertips and features customizable buttons to suit your operating style.

# GREATER TORQUE & TRACTION CONTROL

*A drive system **optimized** for the Nitro 7000 series!*

## REVOLUTIONARY PROPULSION SYSTEM

The Miller Nitro 7000 series features an innovative hydrostatic Danfoss pump system with electronically controlled variable displacement piston drive motors and seamlessly integrated Fairfield Torque-Hub® planetary final drives for the optimum drive performance.

## PLANETARY FINAL DRIVES

The Torque-Hub planetary final drives deliver high torque and long life designed to optimize the performance of the Nitro 7000 series sprayer.

## GREATER TORQUE AT ALL SPEEDS

The wheel motors provide greater torque at all speeds. From starting out at a standstill and right up to spraying speed, the wheel motors will have the benefit of more torque at all times.

## ELECTRONIC CONTROL

The Electronic Controller is fast and responsive, communicating seamlessly with the sprayer's CANBUS network.

## INTEGRATED SPEED LIMITING

The Integrated Speed Limiting (ISL) feature allows for hydrostatic braking without over-speeding the engine, while working in concert with active wet disc service brakes in each drive hub for outstanding stopping power and operator control.



## TRACTION CONTROL

Handle the most challenging field conditions such as mud or soft ground without worry. Each wheel motor's speed sensor directly communicates with the electronic controller to automatically sense slippage and prevent wheels from turning faster or spinning out. The traction control system is normally engaged all the time but the operator can limit it if they prefer.

## 2 PROGRAMMABLE SPEED RANGES

The operator can easily set two customized speed ranges using the new force-based multi-function handle on the SideWinder™ Ultra armrest. That means you can set one speed for headland turns and the other for working speed. After speeds are set, there's no need to move the handle forward or backward. However, if there's ever a need to slow the machine down suddenly, pulling back on the handle will bring the machine to a stop.

## CRUISE CONTROL

The Nitro 7000 series cruise control maintains a set speed by automatically adjusting the wheel motor displacement with a simple multi-function handle setting — no buttons to press.

## ANTI-STALL FEATURE

The Electronic Control System is integrated into the Engine Control Module to automatically change the hydrostatic control system in the event of a significant drop in engine rpm, returning to normal operation when the sprayer is through the problem spot.

## TIRE/RIM OPTIONS

Nitro sprayers offer a wide variety of tire and rim options to fit your needs. The IF and VF versions offer a larger foot print, high load carrying capacities and a smoother ride at lower air pressures.

## POWER WHEN YOU NEED IT

The Nitro 7000 series sprayers are powered by proven, reliable FPT Industrial Tier 4B turbo diesel engines.



Model	Liter	HP	Peak HP
7310	6.7	285	310
7370	8.7	328	369
7410	8.7	382	412

Tire Size	Nitro 7310	Nitro 7370 and 7410
Goodyear IF 320/90 R50 161	X	
Goodyear IF 380/90 R46 168	X	
Michelin VF 380/90 R46 173	X	
Goodyear IF 380/90 R50 170	X	X
Michelin VF 380/90 R50 175	X	X
Firestone IF 380/105 R50 177		X
Michelin VF 420/95 R50 177		X
Goodyear 480/80 R42 166	X	
Michelin VF480/80R50 179		X
Goodyear IF 520/85 R42 170	X	X
Mitas 580/85R42 183		X
Goodyear 650/75 R42 170	X	X



# ENGINEERED TO HELP YOU DO MORE

## Nitro Front Boom

### IT'S ALL ABOUT THE BOOM

The front boom design gives a clear view of the boom, spray nozzles and the field to let you confidently cover ground faster.

### MORE CHOICES

Miller gives you choices of either a MonoBeam boom up to 120 feet wide or a Truss boom up to 135 feet wide to match your needs and increase your productivity. Booms are divided into 10 sections and you can choose either 15- or 20-inch nozzle spacing.

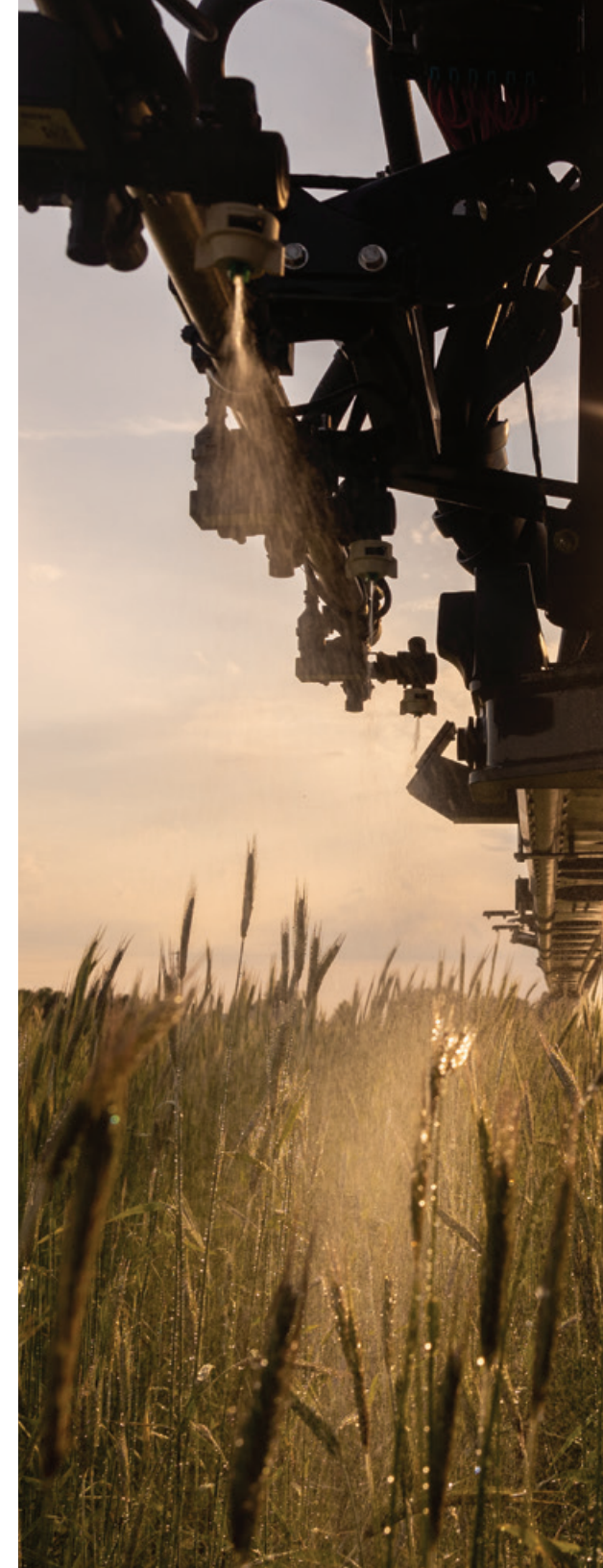
### AUTO FOLD BOOM SYSTEM

All Miller spray booms feature a one-touch Auto Fold system that allows the operator to unfold or fold the boom with the touch of a button. When unfolding it will automatically go to an operator predetermined spray height.



### INTELLIHEIGHT™ XRT BOOM HEIGHT CONTROL

IntelliHeight™ XRT is the new standard for boom height control. The system features state-of-the-art radar sensors to maintain a consistent target height to the crop or ground, for those applications where the crop has not yet emerged.







## Nitro 7310

### INCREASE YOUR PRODUCTIVITY

Enjoy the advantages of the highest ground clearance on the market. The 7310 lets you adjust machine clearance from 72 to 78 inches to accommodate varying needs and conditions, including late-stage application. And for easier transport, maintenance and storage, the sprayer's overall height can be lowered to 153 inches.



- Lighter overall weight than previous models means less soil compaction and a better horsepower-to-weight ratio.
- Optimal weight distribution provides balance, with near equal load on each tire to maximize power to the ground while minimizing compaction.
- The ultra-quiet cab offers operators maximum comfort, control and convenience.



# BRAINS & BRAWN





# Nitro 7310

## EFFORTLESS OPERATION

- Choose from either 210- or 300-gpm capacity product pumps. The 300-gpm option features ForceSeal technology which provides better protection against dry running time.
- Planetary drive system is electronically controlled and provides a long list of features like full-time traction control, cruise control, anti-stall, integrated speed limiting and two programmable speed settings.
- 35-mph road speed with four-wheel dynamic braking.
- Maximize power and minimize fuel consumption thanks to the FPT 6.7L, 310 HP turbocharged and aftercooled engine.
- Variable speed, hydraulic-driven cooling fan runs only as fast as it needs to, saving horsepower and fuel while reducing noise.

## REVERSING FAN

The standard reversing fan system helps to keep the intake screens and cooling package clean of dirt and debris. It's ideal for late-season spraying.

## IMPRESSIVE TURNING RADIUS

An 18-foot turning radius provides excellent maneuverability. Four-wheel steer is a great option that aligns front and rear wheel tracks for reduced crop damage and compaction at headlands. When engaged, it gives you a short 13.5-foot turning radius.



## EASY SERVICE ACCESS

Engine and hydraulic service checkpoints are easy to access from the walkway by the engine compartment.

## CLEANING THE PRODUCT SYSTEM

The 150-gallon rinse system is electrically controlled by the operator, making it quick and easy to rinse the tank and boom. Or add the optional Auto Rinse system for ease of operation and peace of mind.

# Nitro 7370 and 7410

When you have a lot of acres to cover in a short period of time the Nitro 7370 and 7410 models are the answer.

Large tanks, wide booms and big power mean acres will fly by. The 7370 is available with tank sizes of 1400 or 1600 gallons; a 1600-gallon tank is standard on the 7410. On the 7370 and 7410 models respectively, boom width is 90 to 135 feet and horsepower is 369 and 412.

## NEVER LOOK BACK

The front mount boom and cab provide an unparalleled view of each nozzle body and spray tip. No need to be looking over your shoulder all day long. Spraying along fence lines, waterways or into corners has never been quicker or easier.

## EASILY MANEUVER AROUND OBSTACLES

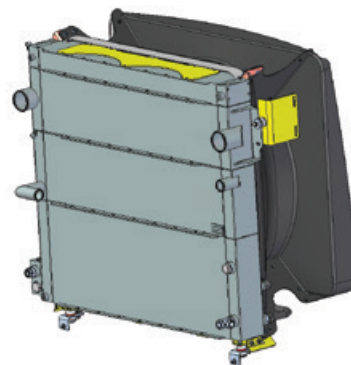
With the boom mounted in the front of the sprayer you can maneuver around obstacles very easily without missing large areas of crop.

## CROP CLEARANCE

The 7370 or 7410 provides for up to an impressive 76 inches of crop clearance, allowing for hassle-free late-season spraying.

## SINGLE PASS COOLING

The Nitro features single-pass cooling. The air does not become hotter as it passes through each core and cores are much easier to keep clean.



## FPT ENGINE

Powerful, efficient FPT Tier 4B engines provide not just power, but peace of mind, too.



## COOLING SYSTEM

Single-pass cooling system for better efficiency, cooler air flow and easy cleaning.



## FINAL DRIVES

Planetary drive system on the 7000 series includes: Electronic Transmission Control, Traction Control, Cruise Control and Engine Overspeed Protection.



## WEIGHT DISTRIBUTION

Major components are carefully placed, so weight distribution is within 4% of 50-50 balance during spraying.





### TURN ON A DIME

The 7370 and 7410 2-wheel steer chassis provides a turning radius of just 15 feet.



### THE ULTIMATE IN MANEUVERABILITY

With the **4-wheel steer option**, you'll benefit from the tightest turning radius currently available in a front boom sprayer. With front and rear wheels following the same track, crop damage is minimized and headland turning is a snap.

#### Turning radius with 4-wheel steer

- In 2-wheel steer – 21'
- In 4-wheel steer – 15'



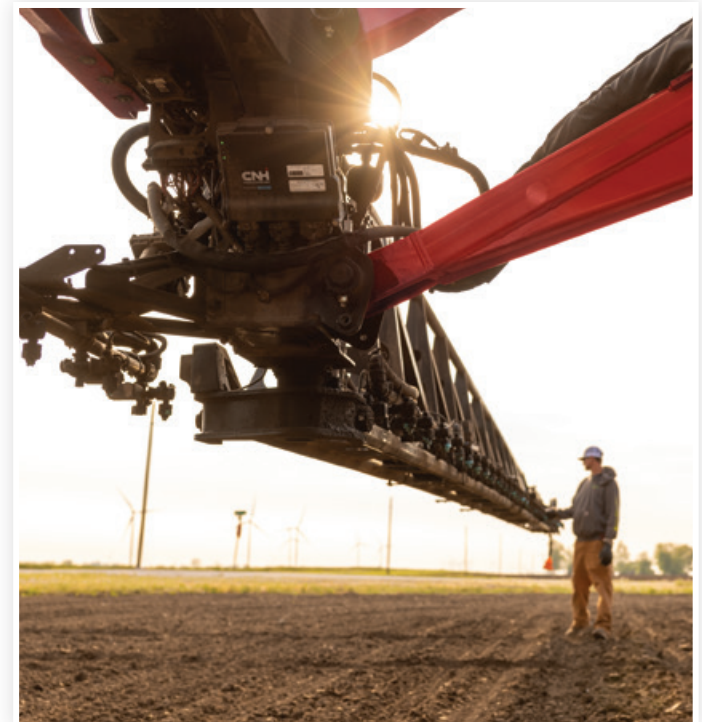


# MAXIMIZE SPRAY COVERAGE & PRECISION

## SPRAY TECHNOLOGY

The next generation of advanced spray technology has arrived. IntelliSpray™ II offers one of the most precise nozzle control systems on the market and comes standard with individual nozzle control to ensure unmatched droplet coverage accuracy. Save time and money by optimizing coverage, minimizing skips and overlaps, and reducing input costs. The IntelliSpray II pulse width modulation system offers a broader range of applications, higher flow and pressure ratings, and a greater level of accuracy versus most competitors.

- Accurate droplet coverage up to 2.5x more accurate than competitive systems.
- Higher 20Hz pulse rate for better product accuracy.
- Six modes of operation: Standard, Bypass, Variable Pressure, High Flow, High Flow VP, On/Off.





## ENGINEERED TO MINIMIZE DRIFT IN THREE WAYS:

1. 8:1 speed range ensures the right amount of product is applied and consistent spray droplet size is maintained across a wide range of field speeds.
2. Pressure Control with 3 pre-set pressures. Having preset pressures allows operators the flexibility for selective drift control in sensitive field areas.
3. Turn Compensation to ensure the nozzles are not over- or under-applying while spraying on curves. Individual NCVs adjust their PWM duty cycle to maintain the proper flow for achieving the desired rate across the width of the boom.



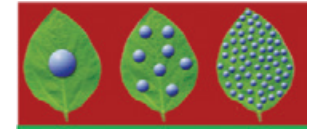
## LIGHT UP THE NIGHT

Sometimes it is necessary to spray into the night hours. We have you covered! All Nitro sprayers are equipped with LED light systems with up to 32,940 lumens.

If spraying at night happens more often than you would like we can help there also with a premium lighting package that can provide up to 67,940 lumens!

## SPRAY-AIR®

The patented Spray-Air® nozzle atomizes droplets to your selected size and drives the spray deep into dense canopies. With the Dial-A-Drop® control, Spray-Air optimizes droplet size for every application without being impacted by speed or pressure changes. Additional Spray-Air benefits include: incredibly low water volume, chemical rate usage, superior canopy penetration and coverage, and universal pesticide compatibility.



- *Large Droplets:*  
Minimal Coverage
- *Medium Droplets:*  
Better Coverage
- *Fine Droplets:*  
Best Coverage



## RAVEN VSN® VISUAL GUIDANCE SYSTEM

Miller sprayers can come factory-equipped with the industry-leading Raven VSN® visual guidance system. VSN is a non-contact, camera-based unit that transforms machine guidance through emerged to full canopy crops. It feeds highly precise, instantaneous crop row information to the RS1™ receiver, allowing the sprayer to adapt to row variances in real-time — so crops remain unharmed. VSN enables you to drive at speeds up to 20 mph, so you can cover more acres in a day while maximizing yield and ROI.

Models ►		NITRO		
Specs ▼		7310	7370	7410
Deluxe SprayView Cab	Ultra-quiet, variable speed pressurization, charcoal filtration with recirculation filter, AM/FM/WX radio, 4 speakers and remote controls, 2-way tilt/telescoping steering column, sun visor and auto temperature controls. Cloth air ride seat and instructional seat. SprayView™ 12 and optional Raven Viper® 4+ and adjustable monitor mounts. Rear camera. The 7370 and 7410 have an air ride cab suspension.			
Luxury SprayView Cab	All Deluxe cab features PLUS Grammer Evolution leather trimmed seat, heated and vented with self-adjusting air ride suspension, leather trimmed instructional seat, leather wrapped steering wheel, X-Grip for cell phone. Auto on/off head lights, 110 volt power outlet and a 12 volt cooler under the instructional seat.			
FPT Engine		6.7 Liter NEF 6 Tier 4B	8.7 Liter Cursor 9 Tier 4B	8.7 Liter Cursor 9 Tier 4B
Horsepower / Peak		285 / 309	328 / 369	382 / 412
Fuel Tank / DEF Tank		150 Gallon (568 L) / 24 gallon (91 L)		
Cooling System		Efficient single pass “stacked bottom to top” (not layered front to back) hydraulically driven variable speed fan with reversing option.		
Alternator / Batteries		240 amp or optional 330 amp high output alternator, two 850 cca batteries		
Transmission		Torq-Trac® Hydrostatic Drive / Single Danfoss 165 cc drive pump	Torq-Trac® Hydrostatic Drive / Single Danfoss 210 cc drive pump	Torq-Trac® Hydrostatic Drive / Single Danfoss 250 cc drive pump
Final Drives		Danfoss H1 Series 80 cc Drive Motors / Dana Fairfield CO 24 Torque Hubs	Danfoss H1 Series 110 cc Drive Motors / Fairfield CO 26 Torque Hubs	Danfoss H1 Series 110 cc Drive Motors / Fairfield CO 26 Torque Hubs
Travel Speeds		0 – 35 mph (0 – 56 kph)	0 – 32 mph (0 – 51 kph)	0 – 32 mph (0 – 51 kph)
Steering		Hydrostatic with 2 steering cylinders. No tie rods.	Hydrostatic with 2 steering cylinders. No tie rods.	Hydrostatic with 2 steering cylinders. No tie rods.
2 – Wheel Steering		18' (5.5 m) Turning Radius	15' (4.5 m) Turning Radius	15' (4.5 m) Turning Radius
Optional 4 – Wheel Steering		2-Wheel Steer Mode - 18' (5.5 m) / 4-Wheel Steer Mode - 13.5' (4.1 m)	2-Wheel Steer Mode - 21' (6.4 m) / 4-Wheel Steer Mode - 15' (4.5 m)	2-Wheel Steer Mode - 21' (6.4 m) / 4-Wheel Steer Mode - 15' (4.5 m)
Tread Width		Based on 380 tires	Based on 380 tires	Based on 380 tires
Fixed Axle		120" (305 cm)	Not Available	Not Available
Adjustable Axle (Hydraulic)		120 to 160" (305 to 406 cm)	120 to 160" (305 to 406 cm)	120 to 160" (305 to 406 cm)
HydraLink™ Suspension		4-wheel independent, full suspension travel of 20" (51 cm), hydraulic leveling/shock absorbers, auto leveling for each leg. The 7310 has in-cab suspension height control standard.		
Crop Clearance		72 to 78" (182.88 to 198.12 cm)	74 or 76" (188 or 193 cm) depending upon tire size	74 or 76" (188 or 193 cm) depending upon tire size
Product Tank Options / Stainless Steel		1000 gal (3785 L) Poly or Stainless / 1200 gal (4542 L) Stainless Steel	1400 or 1600 gallons (5300 or 6056 L) Stainless Steel	1600 gallons (6056 L) Stainless Steel
Rinse System		150 gallon (568 L) poly tank with 2" (5.08 cm) quick fill. Electric standard / Auto Rinse optional		
Product Pump Standard		Hypro 9306C – 210 gpm @ 80 psi (795 L/min @ 5.5 bar) capacity at pump		
Product Pump Optional		Hypro 9307CWS – 300 gpm @ 80 psi (1135 L/min @ 5.5 bar) capacity at pump		
Foam Marker Option		Injection System – uses water from rinse tank – in cab controls – 3 gallon (11.3 L) foam concentrate tank		
MonoBeam Boom Options		90/60, 100/60 or 120/70 feet (27/18, 30/18 or 36/21 m) – includes Auto Fold		
Truss Boom Options		120/73, 132/73 or 135/73 feet ( 36/22, 40/22 or 41/22 m) – Includes Auto Fold		
Boom Height Control		IntelliHeight™ XRT with 3 Radar sensors for 90 and 100 ft – 2 additional Radar sensors optional / 5 Radar sensors for 120 ft and wider		
Boom Travel - MonoBeam		17 to 117" (43.2 to 297.2 cm)	22 to 118" (56 to 300 cm)	22 to 118" (56 to 300 cm)
Boom Travel - Truss		25 to 125" (63.5 to 317.5 cm)	30 to 126" (76.2 to 320.04 cm)	30 to 126" (76.2 to 320.04 cm)
IntelliSpray™		Optional – available for 15" or 20" (38.10 or 50.80 cm) nozzle spacing		
Field Computer Options		CNH SprayView 12 comes standard, option of Raven Viper 4+ or no monitor		
Wheel Base		148 to 153" (375.92 to 388.62)	177" (450 cm)	177" (450 cm)
Dimensions (Shipping) - Dimensions can vary depending upon options		Height: 12.9' (3.68 m) / MonoBeam W: 13.6' (4.14 m) MonoBeam L: 33' (10.05 m) / Truss W: 15.3' (4.66 m) / Truss L: 34.6' (10.54 m)	Height: 12.9' (3.68 m) / MonoBeam W: 12.1' (3.69 m) MonoBeam L: 33' (10.05 m) / Truss W: 14.5' (4.42 m) / Truss L: 34.6' (10.54 m)	Height: 12.9' (3.68 m) / MonoBeam W: 12.1' (3.69 m) MonoBeam L: 33' (10.05 m) / Truss W: 14.5' (4.42 m) / Truss L: 34.6' (10.54 m)



**CNH Industrial America LLC**  
511 E. Main St., St. Nazianz, WI 54232-0127  
www.millerstn.com  
M111023516 • 0523 • OTP • PRINTED IN U.S.A

Design, materials and/or specifications are subject to change without notice and without liability therefor. Specifications are applicable to units sold in Canada, the United States, its territories and possessions, and may vary outside these areas.

© 2023 CNH Industrial America LLC. All rights reserved. Miller is a trademark registered in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. Any trademarks referred to herein, in association with goods and/or services of companies, other than owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates, are the property of those respective companies.