



Miller

NITRO

7000 SERIES
North America



QUIET, COMFORTABLE CONTROL

A wide, cloth-trimmed, air-ride seat ensures every operator stays comfortable even after extended spraying hours. Luxury details like footpegs on the steering column, auto climate control, 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

From the newly designed cab, you'll appreciate the expansive view of the field and the full width of the boom thanks to the full height windshield and large wrap-around side windows.

LUXURY CAB OPTION INCLUDES:

- Heated and ventilated leather seat with self-adjusting air suspension, height adjustment and power lumbar
- 12-volt cooler under the leather instructional seat
- Leather-wrapped steering wheel
- Rear camera
- Auto on/off headlights
- Integrated self-charging flash light
- 110-volt power outlet



DESIGNED FOR YOUR CO



STAY REFRESHED ON THE HOTTEST DAYS

The Automatic Temperature Control (ATC) system comes as standard equipment. Choose the Luxury cab and a refreshing drink is only an arm's length away in the integrated cooler under the instructor seat.





**MAKE ADJUSTMENTS CONVENIENTLY
RIGHT FROM THE CAB**



NEXT-LEVEL MONITORING SYSTEMS

The Nitro 7000 series controls are simple to use and easy to understand. With 2 chassis monitoring systems and 2 spraying monitoring systems - information is available at a glance.

Chassis monitor displays operating functions including speed, rpm, pressures, temperatures and fuel and DEF levels. It is mounted on the ceiling where it does not disrupt the operator's line of sight to the boom.

Spray info bar with light-up section display is mounted in the ceiling and lets you know which boom systems are operating.

A right hand console chassis monitor mounted on an adjustable swing arm allows operators to easily program and control multiple sprayer functions, which are instantly displayed on the monitoring screen.



FIELD COMPUTERS

You can choose either a CNH SprayView or the Raven Viper 4+ field computer that is factory installed. Or if you prefer you can have your dealer install a Trimble, Ag Leader or John Deere field computer. The Field Computer is mounted to a swing arm so operators can position it exactly where they want it.



CNH SprayView



Raven Viper 4+

REVOLUTIONARY PROPULSION SYSTEM

The new 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.

NEW PLANETARY FINAL DRIVES

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

GREATER TORQUE AT ALL SPEEDS

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

ELECTRONIC CONTROL

The Electronic Controller is fast and responsive, and communicates with the sprayer CANbus network in a seamless integration.

INTEGRATED SPEED LIMITING

The new 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.

4 PROGRAMMABLE SPEED RANGES

The operator is able to set 4 pre-programmed customized speed ranges, with each allowing full travel of the joystick. Common examples may include a slow creep range up to 5 mph for maneuvering in tight places, two working field ranges, and a road transport range.



GREATER TORQUE
A drive system



TORQUE + TRACTION CONTROL

optimized for the new NITRO 7000 series!



POWER WHEN YOU NEED IT

The Nitro 7000 series sprayers are powered by our own proven, reliable FPT® 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

CRUISE CONTROL

The NITRO 7000 series Cruise Control maintains a set speed by automatically adjusting the wheel motor displacement with a simple joystick 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 great 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.

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	X
Goodyear IF 520/85 R42 170	X	X
Goodyear 650/75 R42 170	X	X

NITRO 7310

IT'S ALL ABOUT THE BOOM

Increase your productivity with the Nitro 7310. Its front boom design gives a clear view of the boom, spray nozzles, and the field to confidently cover ground faster.

The ultra-quiet cab offers operators maximum comfort, control and convenience.

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.

A large, detailed close-up of the front of the Miller Nitro 7310. The image shows the operator's cab with a large, clear windshield. Above the windshield are several circular lights. The red body of the machine is prominent, with black mechanical components and hoses visible. The text "ENGINEERED TO H" is overlaid in large, white, bold letters across the middle of the image.

ENGINEERED TO H



HELP YOU DO MORE



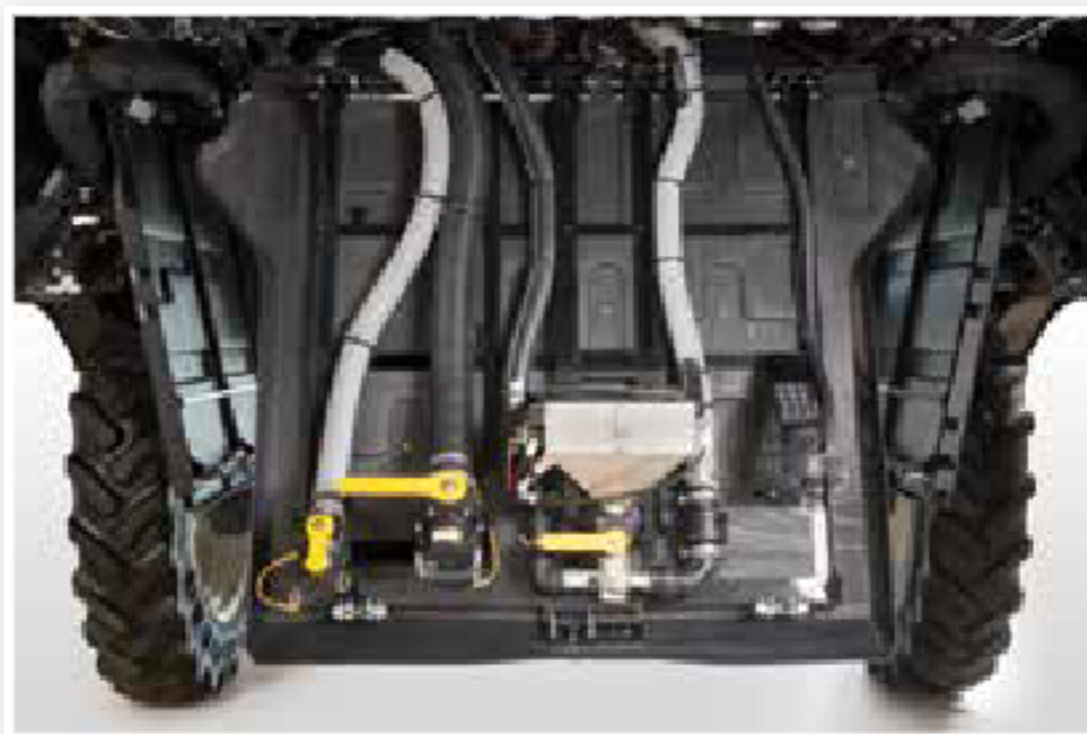
Highest ground clearance on the market! An industry leading 78 inches of ground clearance allows for late-stage application. Easily lower the overall height down to 153 inches (12.75 ft.) from the operator's seat for truck transport.

Lighter overall weight than previous models means less soil compaction and a better horsepower-to-weight- ratio.

Even weight distribution provides balance, with near equal load on each tire to maximize power to the ground while minimizing compaction.

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 new features like full-time traction control, cruise control, anti-stall, integrated speed limiting and four driver-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.



ND BRAWN



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

Tight 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.



INTELLISPRAY™ NOZZLE CONTROL SYSTEM

The IntelliSpray™ pulse width modulation (PWM) system maintains a constant pressure at the spray tips to ensure a proper droplet size at varying spraying speeds. Also includes turn compensation, variable rate on up to 8 nozzles and instant on/off. The boom nozzles are divided into 36 virtual sections or you can take the next step and unlock individual nozzle control. Individual nozzle control requires a Raven Viper 4+ field computer.

NITRO 7370 AND 7410

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

With large tank sizes of either 1200, 1400 or 1600 gallons, Booms widths 90 to 135 feet and horsepower of either 369 or 412, acres will fly by quickly.

Do you require pin point accuracy? We have you covered.

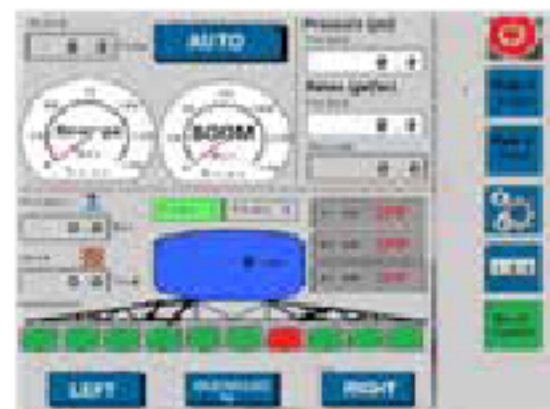
SPRAY-AIR™

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.



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- 1 FPT Engine
- 2 Cooling System
- 3 Final Drives
- 4 Weight Distribution



4

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

1

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

2

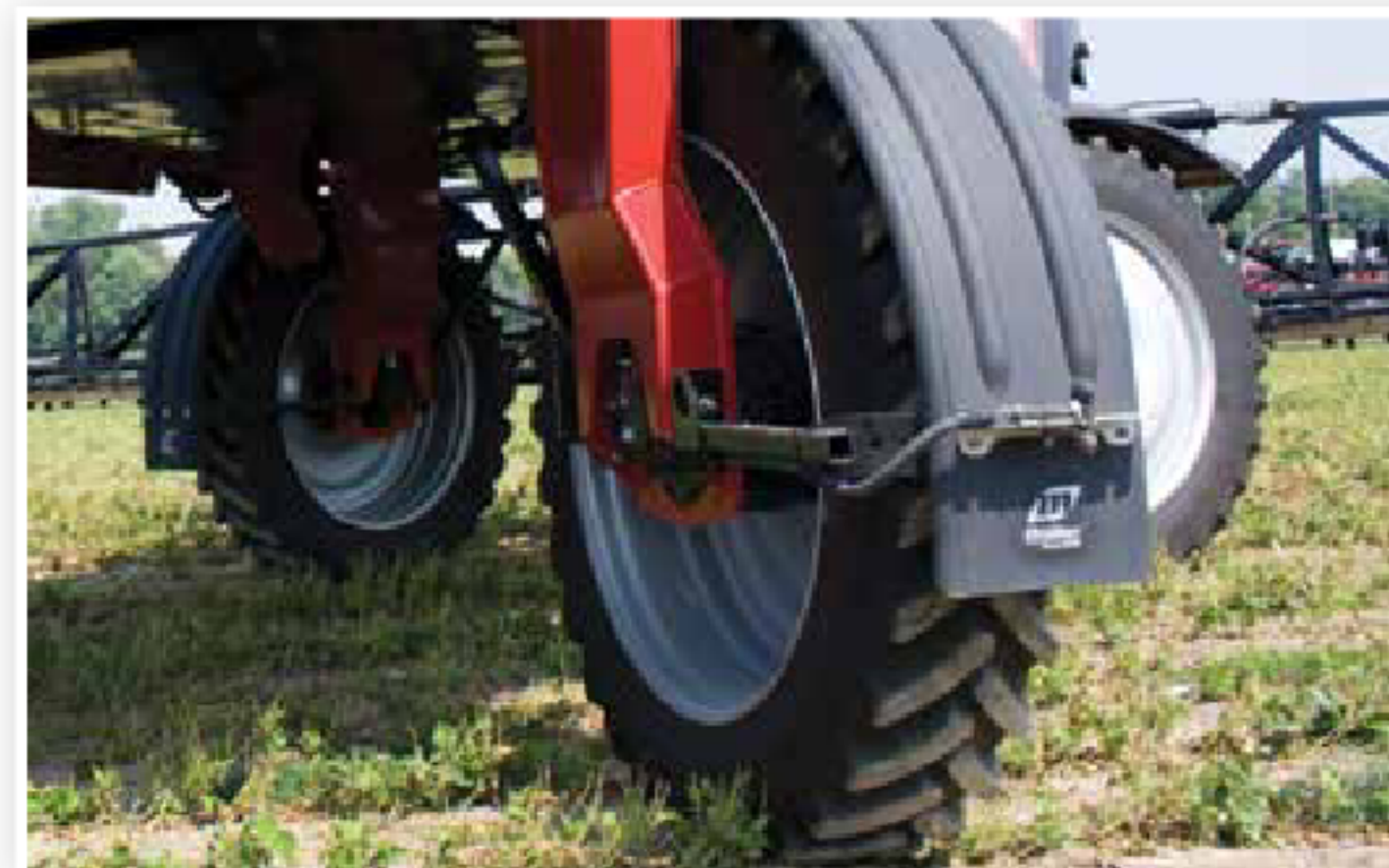
Single-pass cooling system for better efficiency, cooler air flow and easy cleaning.

3

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

TURN ON A DIME

4-wheel steer option — the ultimate in maneuverability



With the 4-wheel steer option, you'll have the tightest turning radius in the business. 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'



MILLER INJECTION TOOLBAR

FEED YOUR CORN – WHERE AND WHEN IT NEEDS IT MOST

The Miller Injection Toolbar applies liquid fertilizer between the corn rows and into the soil root zones. It fuels corn growth by applying liquid nitrogen just before maximum uptake and during critical growth periods prior to tasseling.

NO CROP BURNING

Unlike broadcasting liquid or dry fertilizer or applying NH_3 , the Injection Toolbar incorporates liquid N into the soil to prevent crop burning.

MINIMIZE FERTILIZER LOSS - MANAGE INPUT COSTS

Without sufficient rainfall, 30% of liquid fertilizer may be lost within two weeks of application. With the Injection Toolbar, you can adjust application rates in favorable growing conditions or avoid wasting expensive fertilizer in poor conditions.

ACCURATE DUAL FERTILIZER APPLICATION THAT SAVES TIME AND MINIMIZES COSTS

EASY ON AND OFF - PERFECT FOR SPLIT APPLICATION

The NutraBoss system utilizes a single point hookup on the sprayer boom for fast conversions and minimal cost. Small mounting brackets remain on the boom after the drops are removed, so it's easy to attach and remove them as needed. It's ideal for split applications of nitrogen which enhances nutrient efficiency and yields, and reduces the loss of nutrients due to volatilization or leaching.

LIGHTWEIGHT AND RUGGED CONSTRUCTION

NutraBoss components are constructed of stainless steel for corrosion resistance and long life. Each unit weighs only nine pounds, so there is little weight or fatigue on the boom, allowing for widths up to 120 feet.

MOVES EASILY THROUGH CROPS

The double jointed placement tool design moves easily through the crop canopy so you can use the system at different stages of crop growth.

PLACE NUTRIENTS CLOSER TO THE ROOT ZONE

The dual tube distribution provides more accurate product flow. Nutrient liquid is placed on either side of the plant, closer to the root zone, where it can be readily absorbed by plants.

GOOD FOR YOU AND YOUR CROPS

The NutraBoss system allows you to easily and economically apply fertilizer when your crop is in need of nutrients, and places it exactly where it will do the most good - near the plant at the root zone.



Models ►		NITRO		
Specs ▼		7310	7370	7410
Deluxe SprayView Cab	Ultra-Quiet, variable speed pressurization, charcoal filtration with recirculation filter, AM/FM/WX w/cd 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. 2 Miller systems monitors, spray indicator light bar and adjustable monitor mounts. 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. Rear view camera, auto on/off head lights, integrated self-charging flash light, 110 volt power outlet and a 12 volt cooler under the instructional seat.			
FPT Engine		6.7 Liter NEF 6	8.7 Liter Cursor 9	8.7 Liter Cursor 9
Horsepower / Peak		285 / 310	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		200 amp / 3 heavy duty – 1000 cca batteries – one for all electronics and 2 for starting		
Transmission		Torq-Trac Hydrostatic Drive / Single Danfoss 165 cc drive pump	Torq-Trac Hydrostatic Drive / Twin Danfoss 130 cc drive pumps	Torq-Trac Hydrostatic Drive / Twin Danfoss 147 cc drive pumps
Final Drives		Danfoss H1 Series 80 cc Drive Motors / Fairfield CO 17 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 or 1200 gallons (3785 or 4542 L)	1200, 1400 or 1600 gallons (4542, 5300 or 6056 L)	1200, 1400 or 1600 gallons (4542, 5300 or 6056 L)
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)		
Truss Boom Options		120/73, 132/73 or 135/73 feet (36/22, 40/22 or 41/22 m)		
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, Raven Viper 4+ and No Controller Option for use with Ag Leader, Trimble and John Deere ISObus Platform		
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)



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