



**Miller**  
Since 1899

**NITRO** 5000 SERIES  
North America





#### OUR COMMITMENT

For generations, Miller has stood for innovation, a dedication to our customers and a drive to make them more productive. Our factory teams, dealer network and all Miller employees remain guided by these basic principles.

The Nitro 5000 series embodies the best of our beliefs. Climb aboard and see for yourself. We think you'll understand why Miller people are proud to do what they do.



Step up . . . and into your new world of spraying.



## COMFORT ZONE

*The crowning touch on a great Miller sprayer.*



## TECHNOLOGY: ONLY THE BEGINNING

You'll be immediately struck by the clean, uncluttered cab. But you'll quickly see that your productive world is at your fingertips, including the sophisticated control center which is surprisingly comprehensive yet easy to master.

The large touch-screen Miller Systems Monitor turns you into the master of your universe. From the reversing fan and electric rinse option pages to the foam marker and engine diagnostic pages (and many more), you'll track everything you need—without ever leaving your comfortable seat.



“Your productive world is at your fingertips.”



## SIT BACK, RELAX, TAKE CHARGE

Combining comfort with control in the Miller Nitro 5000 cab was our goal: we wanted you to feel right at home. The hours you spend here—and we know they will be many—are not going to seem quite as grueling anymore.

The premium Spray View Cab features are almost too many to list, but for starters they include:

- Grammer Evolution suede leather seat —including air-ride suspension and head rest. It's heated and vented, too.
- Leather-wrapped steering wheel
- Bluetooth XM Radio
- Auto climate system
- Rear View Camera
- And much more

Both the standard SprayView Cab and the premium version feature sophisticated Air Ride suspension, an instructor's seat, charcoal cab filtration and more.

We built the new Nitro 5000 cab for a simple reason: to make the best front boom sprayer in the industry even better.





**SEE YOUR WORLD** *Without ever looking back.*



**SAVING YOUR NECK**

With the Nitro front boom, you can confidently see your work. Visibility and sight lines are so good you'll see every nozzle, from tip to tip. No guesswork or wondering if all is well, and no craning your neck to see what's happening behind you. By the end of your long days, you won't be feeling the worse for wear.

**STANDING TALL**

Keeping you productive means letting you work as long as you need to—including late into the season. That's why the Nitro features a full six feet of ground clearance. And since your goal is minimum crop damage while spraying, clearance is critical, as are other Nitro features, such as its even weight distribution, outstanding traction and tight turning radius. So many variables factor into your productivity calculations. The Nitro tackles them all.

“Keeping you productive late into the season.”



**GET ABOVE IT ALL**  
*All-season productivity with a full 6 feet of clearance*





### A ROOM WITH A COMMAND VIEW

We know you've had plenty of days when you've felt like knocking off early—the pounding noise, the strain of looking over your shoulder, the constant stopping to check adjustments and levels—but the Nitro 5000, including the SprayView cab's creature comforts and command view, are going to give you a whole new experience.

“Nitros are well-known for great visibility and surprising quiet. The 5000 takes it to an even higher level.”

From your comfortable vantage point in the cab, you'll confidently see everything you need to.

The rear-mount engine isolates you from distracting noise, reducing your fatigue and allowing you to focus—peacefully—on the work in front of you.



## APPLICATION PRODUCTIVITY

*1000, 1200, 1400, and 1600 gallon tank options takes your spraying productivity to a whole new level*

Nitro Models >		5225	5250	5300	5345	5400
Tank Size	P Poly SS Stainless	1,000 P or SS	1,000 P or SS 1,200 P or SS	1,200, 1,400 1,600 SS	1,200, 1,400 1,600 SS	1,200, 1,400 1,600 SS
Mono Boom	Width Options	60, 80/60, 90/60, 100/60	60, 80/60, 90/60, 100/60, 120/70	80/60, 90/60, 100/60, 120/70	80/60, 90/60, 100/60, 120/70	80/60, 90/60, 100/60, 120/70
Standard Pump	Flow Capacity	Hypro 9306C 210 GPM	Hypro 9306C 210 GPM	Hypro 9306C 210 GPM	Hypro 9306C 210 GPM	Hypro 9306C 210 GPM
High Flow Pump	Flow Capacity	Hypro 9307CWS 310 GPM	Hypro 9307CWS 310 GPM	Hypro 9307CWS 310 GPM	Hypro 9307CWS 310 GPM	Hypro 9307CWS 310 GPM



## TURN ON A DIME

4-wheel steer option—the ultimate in maneuverability

- 1 Cummins Engine
- 2 Cooling System
- 3 Direct Drive
- 4 Weight Distribution

1

Powerful, efficient Cummins Tier IV engines provide not just power, but peace of mind, too.

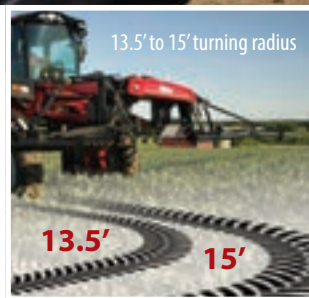
2

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

## GAIN TRACTION

Stop spinning your wheels. And minimize soil compaction, too.

With 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 headlands turning is a snap.



4

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

3

Direct drive wheel motors means more power to the wheel, fewer parts and less wear.





## SMOOTH RIDE

*Award-winning suspension = smoothest field trip around*

## STABLE CHASSIS - STABLE BOOM

*For superior tip-to-target spray accuracy and effective pest control*

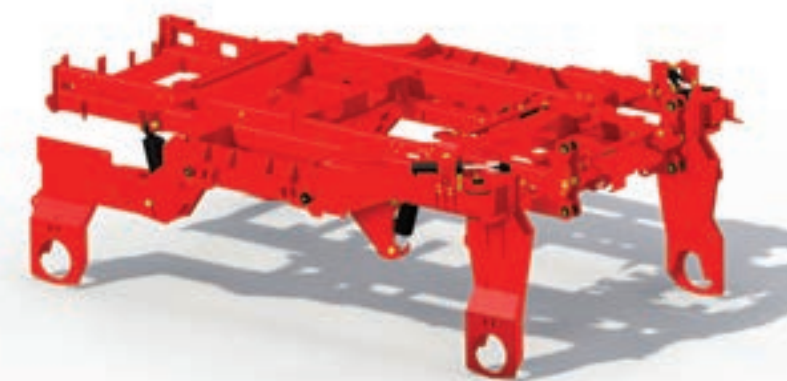


### SUSPENSION IS ABOUT MORE THAN COMFORT

The Nitro is known for its great ride, but our HydraLink™ system does so much more. It insures accurate spraying even at high speeds, less overall machine stress and better boom stability. The all-wheel suspension, connected in an X pattern, gives you a great ride in the toughest conditions, meaning you'll be covering more acres in a day—and your teeth won't be rattling at the end of it.

Boom Open	Front Axle	Rear Axle
* Tank Full	46%	54%
* Tank Half Full	48%	52%
* Tank Empty	52%	48%

Nitro 5250, 100' boom, 1000 Gal. Tank  
 \* Fuel and Rinse Tanks Full, both 150 Gal.





# FLEXIBLE TO THE MAX

*With Quick Attach, you're a master of versatility*

## **NO MUSS, NO FUSS**

Talk about maximum asset utilization.

Quickly remove the spray boom, pull up to your Miller Injection Toolbar or other attachment, hook it up and get back to work. Fast.



## **HAVE IT YOUR WAY—FAST**

How much can you do with a single sprayer? With the Nitro 5000, lots. With Miller Quick Attach, you can quickly swap out your spray boom for the Miller Injection Toolbar or even an Oxbo™ corn detassler or a grain swather.

“Maximum asset utilization”

The Quick Attach system gets right to the heart of your productivity, which means the time it takes getting ready for a new task is the absolute minimum.





# ALL ABOUT PRODUCTIVITY

Time is money. The Nitro 5000 speeds you up.

Nitro Models >		5225	5250	5250	5300	5300	5345	5400
Speed Range	Wheel Motor Type	MS 13 Front MS 18 Rear	MW14 Front MS18 Rear *00 Cams	MW14 Front MS18 Rear *02 Cams	MS 18 Dyna Plus *00 Cams	MS 18 Dyna Plus *02 Cams	MS 18 Dyna Plus	MW 24 Dyna Plus
1	mph / km/h	0-13.8 / 0-22.2	0-13.1 / 0-21	0-11.3 / 0-18.2	0-14 / 0-22.5	0-13.2 / 0-21.2	0-15.1 / 0-24.3	0-10.1 / 0-16.3
2	mph / km/h	0-17.6 / 0-28.3	0-15.4 / 0-24.8	0-13 / 0-21	0-19 / 0-30.5	0-17.8 / 0-28.6	0-20.1 / 0-32.3	0-13.2 / 0-21.2
3	mph / km/h	0-27.2 / 0-43.8	0-18 / 0-29	0-16.1 / 0-29	0-29 / 0-46.6	0-26.6 / 0-42.8	0-30.1 / 0-48.3	0-19.1 / 0-30.7
4	mph / km/h	NA	0-22.5 / 0-36.2	0-19.9 / 0-32	NA	NA	NA	0-23.6 / 0-38
5	mph / km/h	NA	0-29.2 / 0-47	0-26.1 / 0-42	NA	NA	NA	0-31 / 0-49.9

\* 02 Cams provide 20% more torque than 00 Cams

## TIER IV FINAL ENGINE SOLUTION

All North American NITRO models feature Cummins engines with Tier IV Final emissions solutions. *The Cummins engines boast higher horse power, lower fuel consumption, low DEF consumption, and excellent reliability.*

The Cummins Tier IV Final Solution is comprised of the following exhaust treatment components, *in order of exhaust flow from the engine.*

A Cummins **VGT (Variable Geometry Turbo) Turbocharger** used in concert with an **EGR (Exhaust Gas Recirculation)** valve to meter cooled exhaust gas into the intake.

A Cummins **Diesel Oxidation Catalyst (DOC)**, removes CO, HC, and diesel particulate matter from the exhaust. Flow-through design, fit-and-forget no maintenance required.

A Cummins **Decomposition Reactor Tube (DRT)** where Diesel Exhaust Fluid (DEF - Urea) is injected into the exhaust flow.

A Cummins **Selective Catalytic Reduction (SRC)** unit. DEF is injected into the exhaust, where it reacts with heat and converts to ammonia. The ammonia reacts with NOx and passes over the catalyst and converts to Nitrogen and water vapor.



QSB 6.7 Liter



QSL 8.9 Liter

Decomposition Reactor Tube (DRT) where the DEF is injected into the exhaust flow.

Diesel Oxidation Catalyst (DOC)



The Selective Catalytic Reduction (SRC) unit is the final stage, where NOx is reduced and the remaining exhaust is nitrogen and water vapor.

## ENGINE ACCESS

New engine enclosure panels conveniently open to provide access for service and daily preventative maintenance.







## SETTING THE STANDARD WITH RAVEN PRECISION

Raven controllers, simply said, have proven to be the benchmark for quality, reliability and performance.



### SCS 5000

Simple, economic, reliable.

A hallmark of proven Raven functionality



### ENVIZIO PRO, PRO II, AND PRO XL

Super convenience and functionality. Easily navigate through color screens featuring mapping and data logging, spray controls and a full range of precision options.

Envizio Pro controls SmarTrax, Autoboom,

AccuBoom, chemical injection and more.



### VIPER 4 AND VIPER PRO

The ultimate in precision simplified. Wireless-ready computers with large color touch screens manages all your toughest and most demanding applications with ease. In addition to all the Raven Precision

options, they're compatible with standard DGPS receivers. The Viper 4 features a new tablet style interface with swiping features and horizontal or vertical orientation for the optimum in operator ease of use.



Models ▶	NITRO	NITRO	NITRO	NITRO	NITRO
Specs ▼	5225	5250	5300	5345	5400
SprayView Cab	"Ultra Quiet" cab with air ride, pressurization, charcoal filtration, heat/AC, AM/FM/WX w/CD, 2 way tilt/telescope steering wheel, sun visor. Cloth air ride seat, with folding instructional seat. Touch Screen Miller Systems Monitor				
Premium SprayView Cab	All standard SprayView features PLUS Grammer Evolution suede leather seat with air-ride suspension, heated and cooled. Leather wrap steering wheel, Auto Climate Control, Bluetooth XM stereo with 4 speakers, lighted cup holder, deluxe dome lights, X-Grip for Cell Phone. Rear View Camera.				
Cummins® Engines	QSB 6.7 Liter Tier IV Final			QSL 8.9 Liter Tier IV Final	
Horsepower	275	300 (310 bulge)	300 (310 bulge)	320 (345 bulge)	380 (400 bulge)
Fuel Tank	150 Gallon (568 L)				
Cooling System	Efficient Single Pass "Stacked top to bottom" (not layered front to back), hydraulically driven fan with reverse option				
Transmission	Torq-Trac® hydrostatic drive system with Twin Sauer Danfoss heavy duty pumps				
Auxiliary Hydraulic Circuit	Choose 31 GPM (117L/min) or 51 GPM (193L/min)			Choose 26 GPM (98.4L/min) or 44 GPM (166.5L/min)	
UltraFlo Hydraulic Pump Option	Independent 48 GPM with Power Beyond Kit			Independent 42 GPM with Power Beyond Kit	
Speed Ranges	3	5	3	3	5
Service Brake	Hydrostatic	4 wheel dynamic internal wet disc and oil cooled			
Park Brake	2 wheel spring applied	4 wheel spring applied			
Steering	Hydrostatic with two steering cylinders. No tie rods.				
Standard 2 - Wheel Steering	13.5' (4.1m) radius			15' (4.5m) radius	
Optional 4 - Wheel Steering	2 wheel steer: 17.5' (5.3m) radius / 4 wheel steer: 13.5' (4.1m) radius			2 wheel steer: 21' (6.4m) radius / 4 wheel steer: 15' (4.5m) radius	
Tread Width Adjustment	120" to 160" (305 to 406 cm) Center to Center, Hydraulic adjustment standard				
HydraLink™ Suspension	4 wheel independent, full suspension travel of 20" (51cm), hydraulic leveling/shock absorbers, auto leveling for each leg				
Ground Clearance	72" (183 cm) to 76" (193cm) varies with tire size				
Product Tank Options (Poly / SS Stainless Steel)	1000 gallon (3785 L) Poly or SS	1000 or 1200 gallon (3785 or 4542 L) Poly or SS	1200, 1400, or 1600 gallon (4542, 5300, or 6056 L) SS Only		
Rinse System	Standard Manual Controls or Optional Electric In-Cab Controls, 150 gallons (568 L) poly tank and 2" FastFill connection				
Product Pump Standard	Hypro 9306C - 210 gpm @ 80psi (795 L/min @ 5.5 bar) capacity at the pump				
Product Pump Option	High capacity Hypro 9307CWS - 310 gpm @ 80psi (1,173 L/min @ 5.5 bar) With ForceField seal technology				
Foam Marker Option	Injection System - uses water from rinse tank - in-cab controls - 3 gallons (11.3 L) foam concentrate tank				
MonoBeam Boom Options	60, 80/60, 90/60, 100/60 (27/18, 30/18, 32/18m)			80/60, 90/60, 100/60 (27/18, 30/18, 32/18m)	
120' / 36m Boom Option	NA	120/70 (36/22m)			
Boom Travel	From 22" (56cm) to 118" (300cm)				
Spray Controller Options	Raven® SCS 5000, Envizio Pro, Viper Pro, Viper 4				
Wheelbase	153" (389cm)			177" (450cm)	
Dimensions (Shipping)	H: 158" (401cm) / W: 145" (368cm) / L: 338" (859cm)			H: 158" (401cm) / W: 145" (368cm) / L: 363" (922cm)	

Some clearances and dimensions will vary with tire and boom sizes. Miller products are subject to continuous improvement, so changes are possible without notice. All descriptions and specifications in this brochure should be considered as approximate and may include optional equipment and attachments that are not part of the standard specifications. Please refer to your nearest Miller dealer for additional specifications as required. Copyright 2014.





Putting the name Miller on our products is more than a matter of simple pride. It's also our promise to you that we're providing the best products we know how, and that commitment stretches through our whole organization, from our Miller factory team to field support. And it includes our Miller Dealers, too, who provide you with the parts, equipment and knowledge to truly make your Miller a Miller.



**Miller**  
*Since 1899*

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NITRO Models 5225, 5250, 5300, 5345, and 5400 are available in North America. NITRO models with Tier III Emissions Engines are available for international markets.

