



MASSEY FERGUSON



# MF 500R SERIES

SELF-PROPELLED SPRAYER


PUTTING THE POWER OF  
APPLICATION IN YOUR HANDS.



# MF 500R SERIES

**SPRAYING.  
SIMPLIFIED.**

AT MASSEY FERGUSON, WE UNDERSTAND THE NEED FOR A SPRAYER THAT IS SIMPLE, STRAIGHTFORWARD AND DEPENDABLE. A MACHINE THAT DELIVERS PRECISION, CAPACITY AND COMFORT, COVERING MORE ACRES PER DAY WHILE MINIMIZING OPERATING COSTS.



**4** THE JOY OF SIMPLICITY



**6** THE DRIVING FORCE



**8** THE BEST WORKING ENVIRONMENT



**11** TECHNICAL SPECIFICATIONS

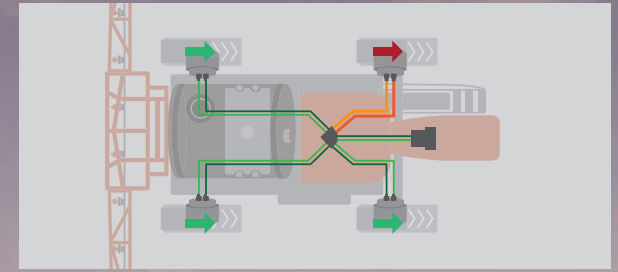
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# THE JOY OF SIMPLICITY.

To meet the demand for a robust, entry-level machine, we're bringing the Massey Ferguson® 500R Series self-propelled sprayer to North America. Designed for small- and medium-sized applications, operators will appreciate its simplicity, strength and value.

The MF 500R Series Sprayer is synonymous with technology, durability and performance. Manufactured in Brazil for over six years, this machine has proven tremendously successful in rigorous conditions across the globe.

Each feature on the MF 500R Series Sprayer has been designed, tried and tested to meet your needs. From the proven 6-cylinder AGCO Power™ engine, to the smart all-wheel drive, the MF 500R Series Sprayer is built to provide years of trouble-free operation.



## SMART AWD

Better traction. Better turning. Simply better. Massey Ferguson Smart AWD technology in the MF 500R Series self-propelled sprayer measures wheel speed at each corner of the machine, checking for slippage. When slippage is detected, the Smart AWD system adjusts the speed of the offending wheel to reduce traction loss.

This system also allows the operator to set two desired speeds and manage engine rpm, ideal for application and turn row adjustments. Transmission Management System allows the machine to operate at full capacity at a lower rpm for better fuel economy, reduced cab noise and less wear on the drivetrain.

### The Smart AWD System Delivers:

- » Increased traction
- » Better turning capability
- » Reduced burming and compaction while turning
- » Reduced operator fatigue



### SUSPENSION

Active, simple and reliable, the MF 500R Series Sprayer delivers a comfortable ride in the field and on the road. Each airbag is controlled by its own dedicated mechanical valve, ensuring a smooth ride no matter what's going on the ground.

The suspension is fed by a large 5-gallon reservoir with a mechanically driven compressor at the engine, featuring two conveniently located outlets for cleaning the nozzles and cab.

#### Independent Active Pneumatic Suspension

Not only does the suspension system offer a comfortable ride, but it also offers a longer service life as shock loads are soaked up by the suspension, not the chassis and boom.

#### Stabilizer Bar

Based on heavy-duty truck parts such as sway bars and shackles, these require no maintenance at all.



### C-FLEX CHASSIS

Demanding conditions demand a durable chassis.

#### Stay Grounded

The fully bolted C-flex chassis gives the MF 500R Series Sprayer the ability to traverse channels, waterways and contours that would give other machines pause.

The frame is not welded at any point, so when the suspension runs out of travel, the chassis itself will flex, allowing all wheels to stay in contact with the ground, ensuring the agility of the MF 500R Series Sprayer in even the most adverse conditions.

Manufactured from highly rupture-resistant material, the large C-channels of the chassis add to the machine's robustness, giving the operator piece of mind no matter how demanding the terrain is.



### BOOM

Our boom design has been in use globally for many years, thanks to the deep knowledge and rich history of application equipment at AGCO. Consequently, the boom is strong, reliable and floats exceedingly well, even in high-speed spraying applications.

The booms are available in 90- and 100-foot widths with the following standard options fitted to every machine:

- » Section control
- » Optional "fence row nozzles"
- » OptiHeight boom levelling
- » Boom suspension on center section
- » 1" stainless steel boom line
- » HyPro 5-way nozzle bodies



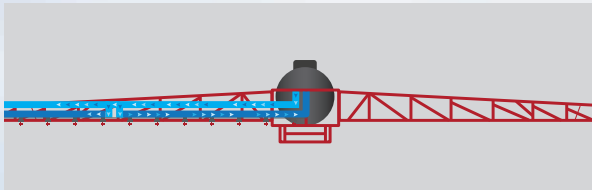
# THE DRIVING FORCE OF THE MF 500R SERIES.

Excellent build quality and the latest engine technology guarantees optimum fuel efficiency, maximum power, reliability and longevity.

## Precision Engine Performance

The AGCO Power 7.4-liter engine inside the MF 500R Series Sprayer delivers unmatched fuel economy when coupled with the machine's Smart AWD system, surpassing the power and torque characteristics of comparable machines.





## THE MF 500R SERIES SPRAYER COMES WITH MANY ADDITIONAL OPTIONS STANDARD, PROVIDING A GREAT AMOUNT OF VALUE.

Additional standard features of the boom include:

- » LiquidLogic®
- » Work lights for night work

### LiquidLogic: Self-Priming, Simplified.

LiquidLogic allows you to prime the boom without spraying a single drop on the ground, saving money through reduced chemical losses. The boom can be primed and ready in less than 50 seconds.

LiquidLogic also keeps product in constant circulation, reducing chemical settling or hot spots within the boom that could lead to misapplication. The system ensures:

- » Less waste
- » Constant filtration
- » Easier cleanout
- » More confidence



### MAIN PRODUCT TANK

740- and 860-gallon options are available, with a rotating rinse nozzle for a 360-degree rinse fed by a 92-gallon freshwater tank.

Providing the flexibility Massey Ferguson is known for, the tank sits in a cradle that allows the chassis to flex as needed beneath the tank.

Features include:

- » 10.5-gallon standalone hand wash tank
- » Adjustable agitation rate
- » High- and low-level tank sensors



### RELOAD STATION

Massey Ferguson is world renowned for easy-to-use machines, and the filling station of the MF 500R Series Sprayer is no different; it's simple to understand and operate.

Features include:

- » 2" and 3" cam lock fill point
- » Optional 150 gallon/min reload pump
- » 7-gallon HyPro chemical eductor
- » Tank rinse
- » Hand wash
- » Air connection for nozzle cleaning



### PRODUCT PUMPS

The product pump is a 145 gallon/min HyPro-run dry pump controlled by a PWM valve. Enforcing its efficiency, the MF 500R Series Sprayer keeps the pump running at precisely the right rate to maintain the correct output of the product, even during speed changes.

# THE BEST WORKING ENVIRONMENT.

Designed for clarity and comfort, the MF 500R Series Sprayer gives you the comfort you need to get through a long day's work.

## Comfort and Simplicity

The cab of the MF 500R Series Sprayer is simple, uncluttered and functional to maximize operator comfort.

Controls are ergonomically arranged and within easy reach. The cab provides a generous amount of space to increase daily productivity and reduce fatigue, especially when spending long hours behind the wheel.

The adjustable air ride seat, combined with the air-conditioning system and low levels of noise and vibrations, ensures a comfortable and pleasant work station at any time of the year.

## Better Visibility

In addition to providing the operator with an excellent view of the front, sides and rear, the positioning of the cab allows greater visibility of the tires and boom.

## TECHNOLOGY.

The MF 500R Series Sprayer has been fitted with the latest technology, assisting with accuracy and data recording.

The MF 500R Series Sprayer arrives from the factory fitted with AgControl® and auto-steer with sub-meter accuracy. If at any point higher precision is required, it can be upgraded to RTK.

To monitor productivity, all jobs and spray data can be recorded on the terminal and easily stored onto a USB for record keeping and data analysis.

The MF 500R Series Sprayer is fitted with MFConnect, offering the ability to track and monitor machines from your office, which provides insight into the machine's operational efficiency and any potential breakdowns before they may occur.

## DEPENDABILITY.

Routine maintenance is quick and straightforward as the operator has easy access to all service points.

Daily checks are minimal and can be carried out effortlessly by the operator.



## PARTS & SERVICE

# IT'S ALL ABOUT A LIFETIME OF SUPPORT.

Buying, owning and maintaining equipment can be complex. That's why ensuring you have support and peace of mind is always an important consideration. With Massey Ferguson, you can count on personalized, responsive support from our network of dealers. Plus, there's no cutoff time for parts and service, meaning we're available to you throughout the lifetime of your machine.

There's a pride and responsibility built into every piece of equipment we sell, and we make it our mission to keep your machine running smoothly, every single time you turn the key.

Ask your dealer about AGCO Protection, an extended warranty program that prolongs your coverage and safeguards against the cost of sudden breakdowns.

AGCO replacement parts are made to the same high standards as those used on the assembly line, so your AGCO equipment will stay running like new. Talk to your dealer or shop at [parts.agcocorp.com](http://parts.agcocorp.com) to find the genuine AGCO parts you need.

Focus on your operation, not on scheduling maintenance. With AGCO GenuineCare plans, your service intervals are predetermined. You'll avoid downtime and be able to better plan your costs thanks to transparent pricing, bundles and discounts.



# TECHNICAL SPECIFICATIONS

Model		MF 525R	MF 530R
Horsepower		212	235
Capacity		740	860
Standard Wheel		380/80R38 Firestone	380/90R46 Firestone
Optional Wheel		NA	380/90R46 Michelin
Crop Clearance	in.	53	59
<b>Engine</b>			
Model		7.4 AGCO Power	
<b>Transmission</b>			
Type		Single hydrostatic 130cc	
Brand		Danfoss	
Smart AWD			
Wheel Motors		Variable displament 60cc	
Speed		Field range 0-19 MPH Road range 0-27 MPH	
<b>Brakes</b>			
Primary		Hydrostatic Dynamic	
Service		Internal Wet Disc	
Parking		Spring-applied hydraulic released	
<b>Chassis</b>			
Type		Flexible	
Material		Modified carbon steel	
Shape		C-channel	
<b>Suspension</b>			
Type		Active airbag with height control valves	
<b>Track Width</b>			
Adjustment		Hydraulic	
Minimum	in.	110	
Maximum	in.	130	
<b>Steering</b>			
Type		Hydraulic	
Turning Radius	ft.	32.1	

Model		MF 525R	MF 530R
<b>Cab</b>			
Suspension		4 x rubber isolators	
HVAC		Hot/cold	
Filters		1 x active charcoal	
Seat		Pneumatic with adjustment	
Instructor Seat		Yes	
<b>Capacities</b>			
Fuel	gal.	96.4	
Hydraulic	gal.	52.8	
<b>Product Tank</b>			
Material		Polyethylene	
Tank Rinse		1 x rotary water jet	
Agitation		2 x jet	
<b>Product Control</b>			
Model		AgControl (NT01)	
Section Control		Standard	
<b>Onboard Technology</b>			
Auto-Steer		Novatel sub-meter (Trimble and RS1 options available)	
Telemetry		Mid-Spec MFConnect®	
<b>Rinse Tank</b>			
Capacity	gal.	92.4	
Material		Polyethylene	
<b>Spray Pump</b>			
Type		Centrifugal	
Brand		HyPro	
Operation		Hydraulic motor	
Material		Stainless steel	
<b>Spray System Filters</b>			
Primary		30 mesh	
Secondary		80 mesh	
<b>Boom Options</b>			
Width	ft.	90, 100	
Nozzle Spacing	in.	20	
Sections		36	

\*Specifications are manufacturer's estimates at time of publication and are subject to change without prior notification.





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**MASSEY FERGUSON**

BORN TO **FARM**