



MF VF PLANTERS

PRECISION MEETS PERFORMANCE



MASSEY FERGUSON



MF VF PLANTERS

STRAIGHTFORWARD.
DEPENDABLE. ACCURATE.

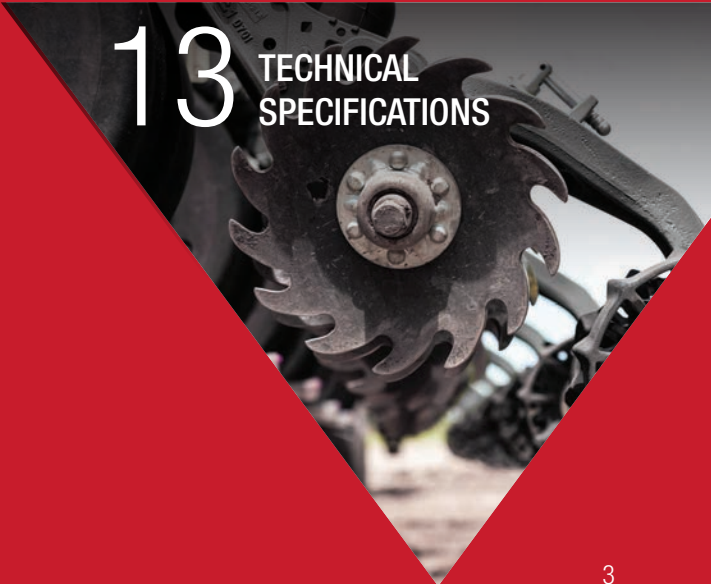
THE MASSEY FERGUSON® PLANTERS ARE PART OF A LONG TRADITION OF ACCURATE PLANTING WITH MINIMAL DOWNTIME, WEAR OR REQUIRED MAINTENANCE. THIS LATEST EVOLUTION IS POWERED BY THE LATEST INNOVATIONS FROM PRECISION PLANTING®, INTEGRATED RIGHT AT THE FACTORY TO MAKE SURE YOU'RE PLANTING AT THE PROPER DEPTH WITH THE RIGHT SPACING AND SINGULATION. THAT'S HOW YOU MAKE THE MOST OF YOUR TIME. THAT'S HOW YOU GET YOUR BEST YIELDS.



8 PRECISION



10 OPTIONS & ATTACHMENTS



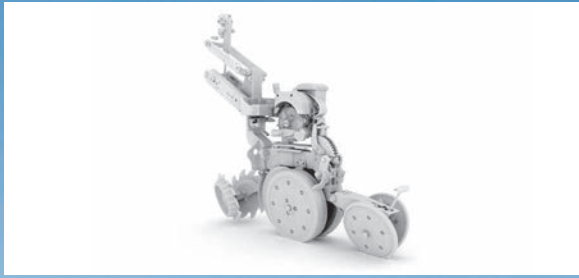
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TIMING IS EVERYTHING.

From early-season planning, to buying inputs, to getting seed in the ground and marketing your crop, it all comes down to timing. So when spring rolls around, it's critical that your planter is ready to help you make the most of your planting window and ensure your crop hits its maximum potential. That's where Massey Ferguson Planters come in, offering you consistent results through straightforward, dependable design that puts the focus on accurate planting.





HEADS UP ROW UNIT

Built off the proven design of White Planters® row units, this unit is the latest evolution from Massey Ferguson and features a number of improvements to enhance its accuracy and longevity. It also allows for quick and easy Precision Planting™ add-ons, such as SpeedTube™.



PRECISION PLANTING

Manage every row individually in real time to provide greater accuracy. Several of the Massey Ferguson Planters feature the latest offerings from Precision Planting right from the factory, including vSet2® meters, vDrive® and DeltaForce. All planters have the ability to easily add aftermarket components at your local premier Precision Planting dealer.

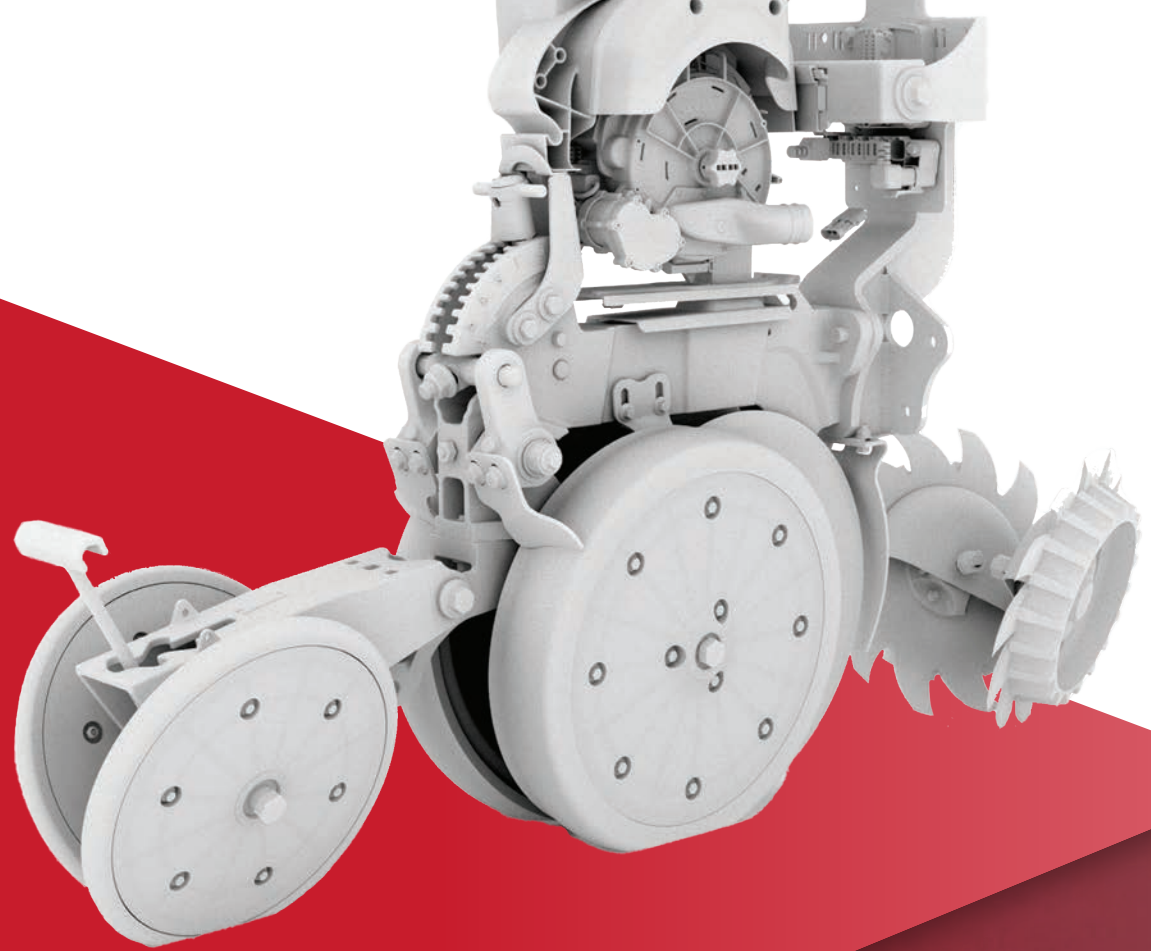


CAPACITY

Massey Ferguson Planters feature individual row unit hoppers or a central fill system of up to 90 (3171 L) bushels. Additionally, 300- (1136 L), 500- (1893 L) and 750- (2839 L) gallon liquid fertilizer options are available, depending on model, along with dry fertilizer and insecticide options.



THE HEADS UP ROW UNIT.



The Heads Up™ row unit is designed with one simple goal in mind: reliable accuracy. While its design roots run deep, this row unit is designed to pair with the most advanced Precision Planting technology available today. Several design changes have been introduced to increase the longevity of the row unit itself, including wider gauge wheel arms, thicker material to strengthen the shank, a liquid fertilizer opening positioned ahead of the seed tube for better protection and placement, a seed tube guard for easy maintenance, and 10 larger bushings that provide longer service life.

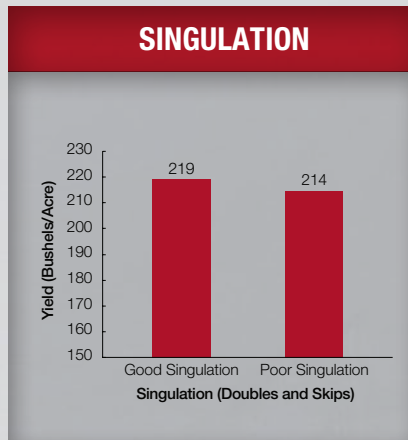
	METERING SYSTEM	FRAME/FOLDING
ROW/SPACING	VACUUM ELECTRIC (VE)	FRONT
12 row 30"	✓	✓
16 row 30"	✓	✓
24 row 30"	✓	✓



CROP TOUR AND DEALER SUPPORT

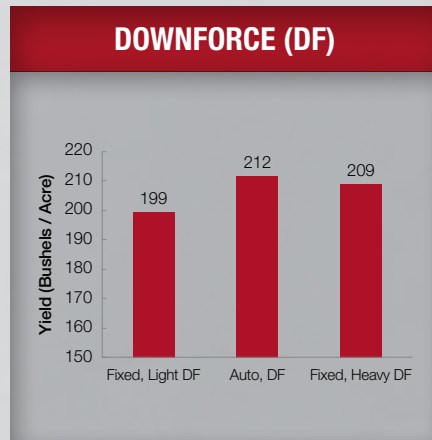
For more than five years, we've been conducting field trials all over North America (and the world for that matter), aptly titled "Crop Tour." These agronomic trials are geared toward optimizing planter settings and equipment features to maximize yield potential. Look at these four major highlights from five years of data collected from more than 20 Crop Tour plots around North America.

Quantified the yield impact of poor seed singulation (percent of skips and doubles) in corn across 22 different fields* using modified seed plates installed on certain row units to intentionally create skips and doubles. Our study found:



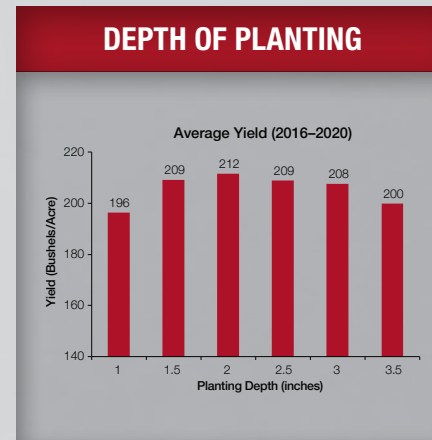
Payback: When the percent of skips and doubles was minimized and singulation was improved, we saw a 2.3% increase on our return per acre.

Compared automatic downforce control using DeltaForce against two fixed downforce pressure settings and our study found:



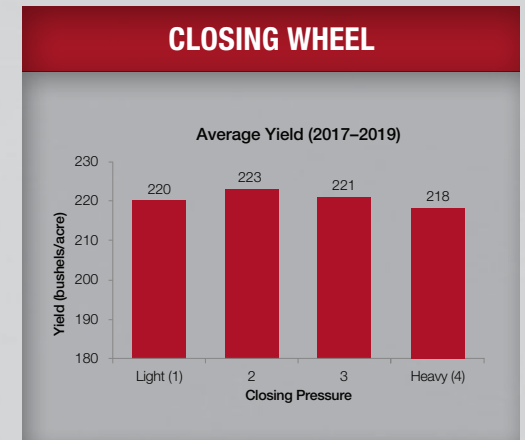
Payback: When not using DeltaForce and planting with fixed downforce pressure that was too low, the average loss was 6.3% per acre. When planting with fixed downforce pressure that was too high, the average loss was 1.4% per acre.

Determined the optimum planting depth for corn across multiple locations** and growing environments and our study found:



Payback: The impact of planting too shallow (1 vs. 1.5) was a 6.4% loss per acre, while the impact of planting too deep (3 vs. 3.5) was a 3.9% loss per acre.

Measured the yield impact of closing wheel aggressiveness across eight different locations*** and found:



Payback: When closing wheels were in setting 2 compared to setting 4, we saw an increase of 2.3% in our return per acre.

* 22 sites: 2016 – Galva, IL; Edgewood, IA; Amboy, IN; New Ulm, MN; Jackson, MN; Estelline, SD; 2017 – Ionia, IA; Morning Sun, IA; Judson, MN; Winthrop, MN; New Ulm, MN; Galva, IL; 2018 – Bement, IL; Gladbrook, IA; Union City, OH; Irwin, IA; Mosinee, WI; 2019 – Mt Hope, KS; Wausau, WI; 2020 – Baltic, SD; Chillicothe, OH; Stewartville, MN

** 22 sites: 2016 – Galva, IL; Edgewood, IA; Amboy, IN; New Ulm, MN; Jackson, MN; 2017 – Ionia, IA; Morning Sun, IA; Judson, MN; Winthrop, MN; 2018 – Bement, IL; Union City, OH; Falls City, NE; Irwin, IA; Fremont, NE; Madison, WI; Mosinee, WI; 2019 – Mt Hope, KS; Emmetsburg, IA; Wausau, WI; Owensboro, KY; 2020 – Baltic, SD; Chillicothe, OH; Stewartville, MN

*** 8 sites: 2017 – Ionia, IA; Morning Sun, IA; Galva, IL; 2018 – Bement, IL; Gladbrook, IA; Union City, OH; Falls City, NE; 2019 – Emmetsburg, IA

EVERYTHING IN THE MF PLANTER IS GEARED TOWARD PRECISION.

Achieve 99% accuracy and manage every row individually in real time with the latest innovations from Precision Planting. Customize your MF Planter to fit your operation's needs with these plug-and-play aftermarket options.



MONITOR



High-definition data enables high-impact decisions. The 20I20® monitor provides the most advanced agronomic picture you've ever seen. Optimize planting decisions with a smart, intuitive interface that visualizes performance and field conditions in real time.

DELTAFORCE



DeltaForce™, the most accurate row-by-row downforce system, features hydraulic cylinders and load cells that measure how much weight is being carried on the row unit gauge wheels and keep it consistent. The operator sets required gauge wheel weight, and DeltaForce does the rest, maintaining the same weight on the gauge wheels of every row, even across different fields or variations within a field. With DeltaForce, the hidden yield loss from compaction is eliminated, and each row is planted at the depth that was set.

vSET2



vSet2 with vDrive provides perfect singulation. By using a flat disk, it doesn't have a cell with a "preference" for a certain seed size. The flat disk, combined with a singulator riding on the edge of the disk knocking off extra seeds, gives you 99% singulation accuracy in corn and soybeans without adjustments to vacuum, disk or singulator.

SPEEDTUBE



SpeedTube™ works with other systems from Precision Planting to create a high-speed planting system that ensures that as you speed up, yield potential is not going down. SpeedTube uses a flighted belt to control the decent of the seeds into the seed trench, and they don't tumble in the furrow because the seed release is matched to ground speed.

SRM3 SINGLE ROW MODULE (SRM)



The SRM3 and CAN extension hub enables plug-and-play additions of Precision Planting's most popular products such as SmartFirm™, FlowSense™, Conceal®, FurrowForce and others. Each Heads Up row unit is factory-equipped with the Quick-Attach brackets for Seed Firmers and FurrowJet®.

CONCEAL*



Conceal® is a simple nutrient placement device from Precision Planting that places fertilizer in a band incorporated into the soil so the plant will be able to get those nutrients during the critical ear set stage. Conceal can be utilized to put either a single or dual band of nutrients down beside the row.

Conceal is a combination of a gauge wheel, which has a groove in it, and a knife* running in the groove.

SMARTFIRMER*



Precision Planting's SmartFirm™ is a seed-firmer sensor that measures the seed environment while firming each seed into the bottom of the trench. SmartFirm helps you know that the seed is placed into a good environment and determines what type of variability you may have in your field according to different metrics, including moisture, temperature, uniformity, residue and organic matter.

FLOWSENSE*



FlowSense™ from Precision Planting tells you liquid application rate on each row. Displayed on the 20i20 display in the cab, you will know what rate each row is receiving, and be able to fix issues if they are occurring.

* Only available through Precision Planting premier dealer



AVAILABLE OPTIONS & ATTACHMENTS.*

*Available through your AGCO dealer



SINGLE-DISC OPENER/LIQUID INJECTOR



Designed for no-till, minimum-till and conventional tillage operations, this single disc fertilizer opener/liquid injector features a spring-mounted tine injector nozzle for liquid fertilizer application. Liquid fertilizer is placed in the soil without the use of a knife, providing plug-free operation.



Designed for no-till and minimum-till applications, this single-disc fertilizer opener features an austempered side profile knife to place fertilizer up to 4 in. (102 mm) deep, providing effective placement of fertilizer with minimal adjustment.

DOUBLE-DISC OPENER FOR LIQUID OR DRY APPLICATION



Designed for conventional and minimum-till applications. Two 13.5 in. (343 mm) diameter discs are C-spring mounted to an adjustable clamp.

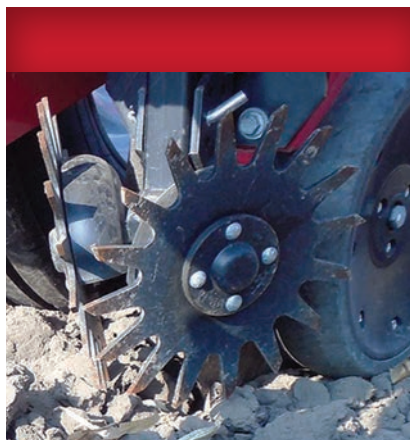


Designed for no-till planting conditions, this 17 in. (432 mm) disc and knife work well in firm, no-till soil that has residue on the soil surface. The disc cuts residue at the soil surface, and the trailing knife places the fertilizer with minimum soil disturbance.

GAUGE WHEEL OPTIONS OR DEDUCTS



A gauge wheel deduction option is available, permitting the exclusion of the traditional 4.5 in. (114 mm) factory-installed gauge wheels. Several popular gauge wheel styles and widths are available for field installation. Choose the solid or spoked wheels in 3 in. (76 mm) or 4.5 in. (114 mm) widths, as well as gauge wheel scrapers.



Ideal for medium- to high-residue levels, the 13 in. (330 mm) diameter pin adjust steel finger or SharkTooth wheels clear residue away from the seed opener. Adjusts in 1/4 in. (6 mm) increments.

ANGLED RUBBER PRESS WHEELS



Improve seed-to-soil contact in heavier soil and moderate no-till conditions. Adjust wheels by offsetting them or changing width from 1.25 to 2.88 in. (32 to 73 mm) for improved performance at various seed depth and soil conditions. Adjustable down pressure: 50 to 133 lbs. (23-133 kg.).



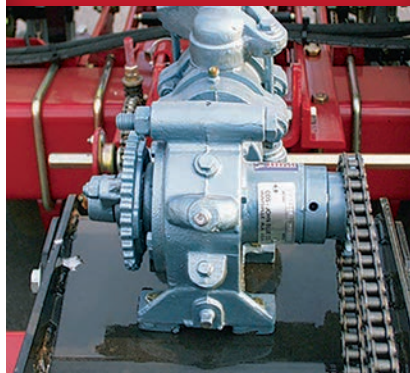
Great for closing the toughest seed trench. Recommended for tough no-till conditions. Adjust wheels by offsetting or changing width for improved performance in high-residue and no-till conditions. Adjustable down pressure: 115 to 310 lbs. (52-141 kg.).

FLOATING RESIDUE MANAGER



13 in. (330 mm) SharkTooth or finger wheels and depth bands provide aggressive residue movement from the path of the row unit. The unit-mounted residue wheels float over the surface, and the depth bands assure the right depth of operation.

PISTON PUMP



The variable-stroke, double-acting, single- or double-piston metering pump dispenses a consistent flow of liquid fertilizer. All internal parts that come in contact with the fertilizer are stainless steel.



The piston pump flow divider provides optimum liquid fertilizer metering accuracy to each fertilizer opener. The application rate per acre remains constant over a wide range of planting speeds.

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 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.



TECHNICAL SPECIFICATIONS

Model	MFVF	
Frame		
Frame type		Narrow transport, front fold
Rows/spacing available		12R30, 16R30, 24R30
Metering units		Vacuum electric
Hitch on planter		2 pt or drawbar
Frame flex		21° up/ 21° down
Frame size	in. (mm)	7 x 7 (178 x 178)
Planting capabilities		Conventional till, no-till
Drive — Standard		Infinitely variable electric drive
Transmission — Standard		—
Lift system		Wheel module w/ hydraulic cylinder
Cylinder lift number		6 on 12R30 8 on 16R30 10 on 24R30
Tires		
Transport tire size		12R30 10-15 F1 load range D, 16/24R30 VF295/75R22.5
Number of transport tires		4
Total tires per planter		6 on 12R30, 8 on 16R30, 10 on 24R30
Optional		—
Capacity		
Blower drive — Standard		Direct drive from tractor remote valve
Blower drive — Optional		PTO-driven hydraulic pump
Seed hopper capacities	bu (L)	1.9 (67) or 90 (3172) CFS
Fertilizer capability		Liquid (ground driven)
Monitor (Optional)		10.1" (257 mm) color touch screen monitor, harnesses and radar
Remote control valve requirements		16R30/24R30: 5 with CFS and DeltaForce, 4 with hoppers and DeltaForce, 3 without CFS and DeltaForce, 4 with PTO pump, CFS, DeltaForce 12R30: 4 with CFS and DeltaForce, 3 without DeltaForce, 3 with PTO pump and DeltaForce
Sensors		
Standard		High rate
Optional		Wave vision
Transport width	ft. (m)	12' (3.65)





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MASSEY FERGUSON

BORN TO **FARM**