M 555

MF 555 series precision planting for maximum profit
A range of Planters with PAM™ technology



VISION INNOVATION LEADERSHIP QUALITY RELIABILITY SUPPORT PRIDE COMMITMENT



Great opportunities in growth

Designed to meet the challenges of modern agriculture, Massey Ferguson planters are capable of handling the full spectrum of planter practices from Conventional through to the latest Conservation techniques. You can rely on the Massey Ferguson range of planters to make a profitable difference to your operations.

For the professional, choosing the correct planter is crucial, everything can depend on picking the right one to enable precise crop production.

Have an immediate impact on your business whether you are planning to strengthen the basics of a Conventional Tillage operation or seeding land with a No-Till programme. Successful planting depends on accuracy, precision and uniformity of seed placement.

Everything about our planter range is designed and built to fulfil these objectives and get your high yield harvest off to a flying start. The higher the yields, the bigger the profits for you.

Accuracy

Unequalled planting accuracy and gentle seed handling is achieved through the proven Positive Air Metering - PAMTM.

Flexibility

With several models to choose from and an extensive range of attachments you can customise the Massey Ferguson planter to suit your conditions precisely.

No-fuss operation

With low maintenance components, downtime is minimised making day-to-day operation easy.

Strong construction for long machine life

At the heart of both the rigid frame and vertical fold models is a

178 x 178 cm main frame which provides integral stability to the row units. A welded drawbar adds further strength and rigidity.

A range of rigid and folding frames for convenient transport and storage

Rigid planters are available with transport hitch as an option.

Massey Ferguson vertical fold planters are available in popular 8 and 12-row configurations and come with a special frame design that permits quick hydraulic folding for easier transport.

For an ambitious planting schedule choose an Massey Ferguson planter and open the door to great opportunity and economical growth.

Models	Rows	Frame	Row spacing	Transport width
MF 8106	6	Rigid narrow	70-76 cm	4.90 m
MF 8108	8	Rigid narrow	70-76 cm	6.32 m
MF 8102	12	Rigid narrow	70-76 cm	9.37 m
MF 8128	8	Hydraulic vertical fold narrow	70-76 cm	4.98 m
MF 8122	12	Hydraulic vertical fold narrow	70-76 cm	6.50 m
MF 8186	16	Forward fold frame	70-76 cm	4.58 m



Simply advanced row units

- Boost yields and productivity
 For superior performance,
 the Massey Ferguson planter
 row units are equipped
 with PAM™ technology
 (see pages 6/7).
- Parallelogram linkage with built-in strength
 Each row is mounted on a parallel linkage designed to follow ground contours.
- Seed depth control
 Planting depths are wideranging and can be set
 between 13 102 mm.
- Gauge wheels
 Uniformity of seed depth is further enhanced by the proven 'walking beam' gauge wheel design. Fitted as standard to the Massey Ferguson planter, each gauge wheel moves independently and can negotiate obstacles of up to 50 mm high without seed depth being affected.
- Quick release seed hopper and meter
 The large 70 litre seed hopper and meter assembly can be quickly mounted or removed.

No tools required. An exceptionally large hopper with 105 litre capacity is an option.

- Quick, simple seed disc change
 Large retaining knob for quick, easy disc change. No tools or seed hopper removal required.
- Easy seed meter access
 Open frame row unit design
 gives unrestricted access for
 easy inspection or disc change.
- New seed meter design
 Gives greater accuracy with
 a wider variety of seeds.
- PAM™ Positive Air Metering
 Gentle, consistent singulation
 results in fewer damaged seeds
 and higher germination rates.
 Operates with low air pressure
 and with no seals. Unique
 'edge drop' seed disc
 design gives unmatched
 spacing accuracy.
- New seed sensors
 Standard high rate and optional
 Seed Smart™ seed sensors
 accurately monitor a wide range
 of seeds and population rates.

- New heavy-duty double disc openers
 Walking beam gauge wheel arms 'walk' over irregularities, giving consistent depth.
- Seed depth indicator Identifies depth of seed placement for each row, enabling all rows to be set to the same depth.
- Seed depth placement range
 Planting depth range has been
 increased to better suit dry land
 crops that need greater depth
 of seed placement.

Uniform depth control encourages uniform germination and emergence, for optimum yield. Heavy-duty gauge wheel arms incorporate improved lubrication and sealing.

Closing wheels
 A variety of closing wheels
 are available; angled and rubber
 wheels, cast iron or single 'V'
 press wheels.

Good seed-to-soil contact is assured to promote early germination of the seed.





The heart of your machine - PAM™

PAM™ - Positive Air Metering equals Precision, Accuracy and Manageability. The system that handles seed gently and accurately, assuring quality planting throughout the season.

Massey Ferguson's innovative PAM™ system operates at very low air pressures in the seed meter for gentle seed singulation, resulting in fewer damaged seeds and higher germination rates.

Research and field experience prove that consistent inter-plant spacings and correct seed depths have a dramatic effect on yields, and hence on profits.

Accurate seed count

Advanced sensors provide a highly accurate seed count across a wide range, from maize kernels to tiny sugar beet seeds.

Unique edge drop design for unmatched spacing accuracy
The edge drop design virtually eliminates delay once the seed leaves the cell, giving unmatched spacing accuracy.

Access all areas

The Massey Ferguson planter has an open frame design providing unrestricted access to the low maintenance edge drop seed disc. The disc can be removed simply using one knob.

The PAM™ metering unit is virtually maintenance free giving you complete peace-of-mind.

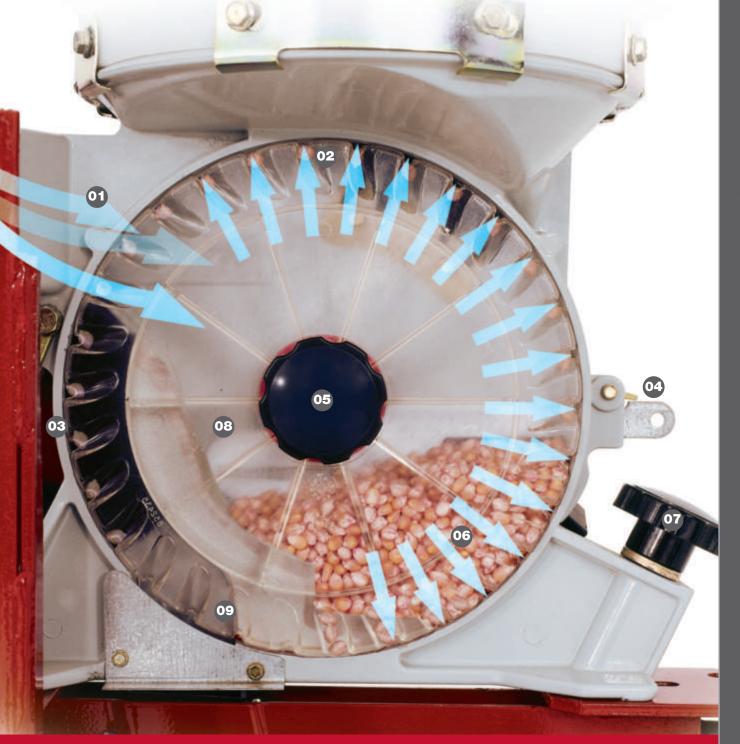
The Leader in Row Crop Technology

Each year, millions of hectares are planted with field-proven Massey Ferguson Planters. In every planter produced, you will find the same basic principles. . .

Simplicity
Accuracy
Gentle Seed Handling
Low Maintenance
Flexibility

How it works

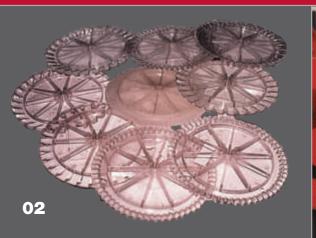
- Low-pressure positive air enters the seed meter.
- Seeds are held in each seed cell by the gentle air pressure.
- The seed meter's one moving part, the seed disc, rotates counter clockwise with a seed retained in each cell.
- As the cell reaches the tickler brush, excess seed is removed from the cell if more than one is present.
- When the seed advances around the meter, the air cutoff brush gently shuts off the air and holds in place until reaching the bottom of the seed disc rotation.
- The exclusive edge drop design of the seed disc gently releases the seed, allowing it to free-fall naturally into the seed tube at regular intervals.
- Seed is released in a slight rearward motion permitting the seed to be oriented rearward and fall down the curved seed tube into the trench.



- Gentle air pressure
- Reliable tickler brushes
- Air cutoff brush

- Seed gate
- Seed disc retaining knob
- Seed sump

- Hopper and meter quick release
- Exclusive 'Edge Drop' seed disc design
- Seed release point





MF 8100 - TSB Rigid Frame

If you're a customer looking for a cost-effective planter that can capably handle a wide variety of planting conditions, then look no further.

The MF 8100-TSB planter is engineered to accept a full complement of liquid or dry fertiliser attachments as well as row unit-mounted or frame-mounted tillage attachments that make it the perfect match for Conventional, Reduced Tillage and No-Till planting applications. From the 6-row configuration up to the productive 12-row model, the MF 8100 Series main frame is designed to handle the stress of heavy residue and uneven

seedbed conditions. With the crop versatility of the unique PAM[™] Positive Air Metering System, you can quickly change from crop to crop by simply changing the seed disc.

Many Sizes. Many Conditions
Available in 6, 8 and 12-row sizes, the MF 8100-TSB is capable of providing accurate, uniform seed placement in a wide variety of configurations.

The Massey Ferguson Row Unit provides outstanding seed placement in conditions that range from Conventional through to No-Till seeding with the world-renowned PAM™ technology.

The rugged planter is engineered to handle a wide variety of optional tillage and fertiliser attachments to expand the capabilities of the Massey Ferguson Planter.

Models	Rows	Frame	Row spacing	Transport width*	
MF 8106	6	Rigid narrow	70-76 cm	4.90 m	
MF 8108	8	Rigid narrow	70-76 cm	6.32 m	
MF 8102	12	Rigid narrow	70-76 cm	9.37 m	

Optional equipment: Dry and liquid fertiliser, chemical attachment. Standard or heavy-duty down pressure springs, selective row unit OR frame mounted, tillage attachments. * Transport hitch (Rigid frame models only). Transport width 3.6 m.





MF 8100 - TVF Trailed Vertical Fold

Simply the best built, most cost-effective folding planter available today. You'll wonder how you ever managed without it.

When you get to the field the TVF models, can be quickly unfolded and put to work straight away, you'll be ready to handle field conditions that range from Conventional to Heavy Residue No-Till. When you have finished, the hydraulically activated wings fold vertically on both the 8 and 12-row models for ease-of-use transport to the next field. The vertical fold planter provides the benefits of high hectare productivity with the ability to

transport on the move a wide selection of fertiliser and tillage attachments.

In rolling terrain, the wings can be left unpinned to provide moderate upward flex for outstanding seed depth placement the full width of the machine.

All the convenience at a competitive price At the end of the field, hydraulically fold the planter from the comfort of the cab and you're ready to move to the next field in minutes. The planter's rugged 178 mm x 178 mm main frame is engineered to accept a wide variety of tillage, liquid fertiliser, dry fertiliser and granular chemical attachments. Available in 8 and 12-row configurations, the MF 8100 TVF Series is the perfect partner to deliver outstanding seed placement season after season.

Models	Rows	Frame	Row spacing	Transport width
MF 8128	8	Hydraulic vertical fold narrow	70-76 cm	4.98 m
MF 8122	12	Hydraulic vertical fold narrow	70-76 cm	6.50 m

Optional equipment: Dry and liquid fertiliser, chemical attachment, Standard or heavy-duty down pressure springs, selective row unit OR frame mounted, tillage attachments.





MF 8186 - FFF Front Forward Fold

Quick and simple forward folding for easy transportation.

The 16-row, MF 8186-FFF planter can be folded from field to transport position in a matter of minutes. The MF 8186-FFF transports at a conveniently narrow 4.58 m.

Productivity, accuracy and efficiency are all key factors within the narrow window of opportunity during planting season. From the moment you enter the field, the MF 8186 is unfolded and in planting mode in a couple of minutes. Once in planting mode, you can cover up to a full 16 m each pass, allowing you to plant with precision. When finished, quickly fold to a narrow 4.58 m from the convenience of the cab for transport to the next field.

The integral 76 mm x 76 mm fertiliser bar provides the ideal

platform for mounting a wide selection of optional fertiliser openers. In addition, it enhances structural integrity of the main frame, making the planter the perfect choice for challenging No-Till Conditions. The planter accepts Conventional, Min-Till or No-Till fertiliser openers that allow you to precisely place starter fertiliser at the selected depth.

Flexibility in the field

The MF 8186 Planter provides nothing short of total flexibility in the field. The 2-section planters are capable of a full 15 degree flex (up or down) at the centre of the planter frame. This flexibility allows the row units to maintain precise seed depth the full working width of the machine in rolling and terraced ground.

Simplicity and convenience

For maximum convenience, the in-cab control box allows you to perform all frame fold functions and lift the frame into transport position using only one tractor hydraulic remote.

Dual transmission drive

Each of the two sections feature an independent transmission that drives one half of the planter. While planting on contours, the independent transmissions eliminate under-speeding or over-speeding the drives on the opposite side of the planter. The result is consistent seed-to-seed spacing when planting in contours and rolling terrain.

Models	Rows	Frame	Row spacing	Transport width
MF 8186	16	Forward fold frame	70 cm	4.58 m



Fertiliser systems

Ensure your nutrients are right on target.

Putting nutrients in the right place at the right time is the key to optimum growth. Placing fertiliser to the side and slightly below the seed means the nutrients are on target to intersect growing roots. Precision-placed fertiliser keeps on working throughout the growing cycle of the plant. When the roots hit the placement zone, there is rapid acceleration of growth.

Choose from 3 coulter types to apply liquid or granular fertilisers with pinpoint accuracy.

Single disc fertiliser opener - side knife

Excellent performance in No-Till and reduced Till, liquid or dry fertiliser applications. Places fertiliser up to 102 mm deep. Features 430 mm disc and side profile knife to provide effective placement of fertiliser with minimal adjustment.

Single disc fertiliser opener/liquid injector

Designed for No-Till, Minimum Till and Conventional Tillage, liquid fertiliser applications. Features a rubber-mounted tine injector nozzle. The 430 mm disc enters the soil with minimum disturbance and the injector places the liquid without the use of a knife to provide blockage-free operation.

Double disc fertiliser opener Ideal for traditional and light, Minimum Till operations, liquid

Minimum Till operations, liquid or dry fertiliser applications. Places fertiliser at a depth of 50 - 80 mm. Features two 340 mm springmounted opposing discs with depth adjustment.



Optimum crop protection in the field

Protect your crop at lower cost.

Apply both insecticide and herbicide simultaneously with planting

Highly durable, the MF 555's quick-detach chemical hoppers are perfectly matched to the output of the main seed hoppers and, with their efficient metering systems, you can be sure of accurate application and tighter control of costs.

Herbicide/Insecticide hopper

Capacity: 32 kg - ample to cover large fields before the need for refilling. Large slide-on lid provides excellent access for easy filling and snaps into place for a secure fit.

The hopper is easily detached for cleaning by disengagement of the cleaning-meter-drive-clutch and removal of two spring clips.

Herbicide spreader

Effectively spreads herbicide in a 360 mm wide path thus saving costs over broadcasting. Chemical is applied over the row behind the closing wheel.

Insecticide spreader

Set to spread insecticide over a 178 mm band or directly into the furrow along with the seed.

Spring tine incorporator

Can be used in conjunction with the herbicide/insecticide attachment to help incorporate chemicals within the soil. Promotes activation of chemicals and also helps protect from wind movement.

Herbicide/Insecticide attachment

Enables herbicide to be applied behind the closing wheels at the same time as insecticide is applied behind the double disc seed trench openers.





Easily adaptable frame or row unit attachments

Customise your Massey Ferguson planter with a range of working accessories, you'll be reaping the benefits in no time.

Customise the wide range of row unit and frame mounted attachments to the needs of the ground and you'll be hectares ahead.

Disc trash master

 Clears path for double disc openers in very heavy residue.

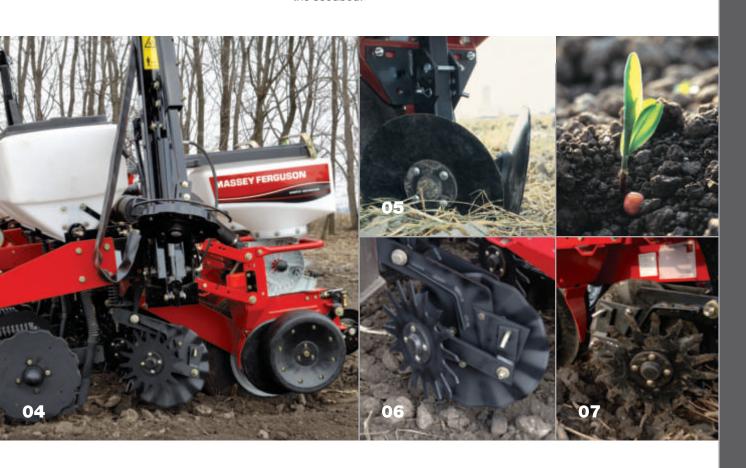
Residue manager

- Clears residue from path ahead of row units.
- Adjustable in 6 mm increments.

Combination manager

- Greater versatility and productivity.
- Clears seedbed of loose residue whilst the blade works the seedbed.

A full range of attachments and accessories allows you to adapt your Massey Ferguson planter to your specific soil types and residue levels, from No-Till to Conventional and everything in-between.



Customise your planter for different conditions

A comprehensive range of tillage attachments is available to fine-tune your Massey Ferguson planter for maximum productivity. Get it right first time with a wide range of advanced coulters from the Massey Ferguson range.

With coulter tillage, the soil is prepared at the same time as planting to give a positive knock-on effect:

Ideal soil-to-seed contactPromotes vigorous root growth.

Strong root growth
Creates uniform emergence.

Uniform emergence Enhances pollination.

Enhanced pollination Increases yield.

Increased yield
Means higher profits.

Bubble coulter blade

- Conventional and Min-Till.
- Dry and sandy, plus medium and course soils.

8-flute coulter blade

- Conventional, Min-Till and No-Till.
- Medium to course soils.

13-flute coulter blade

- Conventional, Min-Till and No-Till.
- Dry, sandy and heavy soils, plus fine to course tilth.

25-flute coulter blade

- Conventional, Min-Till and No-Till.
- Dry, sandy and heavy soils.

Ripple coulter blade

- No-Till, Min-Till.
- Dry, damp/sticky, sandy and heavy soils.



Monitoring for complete peace-of-mind planting

Take the worry out of planting and keep totally in control of what is happening at the 'business end' of the planter with sophisticated in-cab monitors from Massey Ferguson.

Working with 'High-Rate' or 'Seed SmartTM' seed sensors in the seed delivery tube, the monitors track seed flow and population. In the unlikely event of a blocked seed drop or other malfunction, the monitor lets you know immediately.

SM100 Seed Flow Monitor

- Monitors up to 8-rows of High-Rate seed sensors.
- Features an automatic sensor to detect seed flow and LED row indicators to display the status of each seed sensor on the planter.

SM300 Seed Population Monitor

- Monitors up to 16-rows of High-Rate seed sensors
- The LCD displays row information in bar graphs, gauges or flashing bar segments. During planting it monitors ground speed, area and population count.
- Enlarged display text size for easier reading.

Monitor options	SM100	SM300
Seed population	О	•
Seed spacing	О	•
Row failure	•	•
Average population	О	•
Hectare counter (field)	О	•
Hectare counter (total)	О	•
Ground speed	О	•
Seed counter (row)	О	•
Max. number of rows	8	16
Display	LED	LCD
High seed population	*	•
Low seed population		•

- = Equipped
- O = Not-Equipped
- * = Limited





07

Marking the way to better planting

Massey Ferguson also offer a full range of markers to help guide you in the right direction.

Rigid arm marker

Hydraulically-activated solid marker arms offer a rugged, simple design.

Folding marker arm

Features hydraulically-activated folding arm to enable 'low profile' operation.

Flat fold marker option

Two section flat-fold markers with shear-bolt breakaway protection are offered for 6-row and 12-row planters. The markers fold into two sections to provide a low profile during transport.

Flat fold markers are not adaptable to vertical fold planters.

Marker discs

Choose between plain, notched or heavy-duty no-fill.

Automatic Marker Sequence Valve

The sequence valve provides alternate automatic marker-cycling as the planter is raised and lowered.





Customer support

AGCO Customer Support...providing local service to the global brand.

Massey Ferguson is a true global brand with machines operating all over the world, from revolutionary "little grey fergie" tractors to the latest high-tech tractors and implements. Have you ever wondered how we continue to provide industry-leading parts and service support to such a vast array of machines and technologies across the globe?

Behind every Massey Ferguson planter is the powerful after sales support of AGCO's Customer Support organisation.

Our main aim is to ensure that every machine - old or new - is fully supported locally, offering every Massey Ferguson owner:

- The best service in the industry.
- Low cost of ownership.
- A reliable and durable machine.

- Minimum machine downtime.
- A high resale value.

State-of-the-art warehousing and logistics from AGCO Parts Of course, every Massey Ferguson dealer is fully backed-up by the AGCO Customer Support organisation which provides industry-leading parts supply through AGCO Parts' state-ofthe-art warehousing and logistics. With outstanding service levels, overnight delivery and inventory covering all Massey Ferguson machines - even those over 10 years old - we only ever supply genuine parts, and we guarantee the right fit, first time.

Practical local support where you need it

AGCO places great emphasis on providing the best service to our Massey Ferguson dealers and this extends beyond the exceptional servicing and maintenance solutions and parts supply:

- Expert training and specialist equipment.
- Advanced diagnostic techniques.
- Information retrieval technology to communicate the very latest parts and service information.
- Highly skilled technical support groups.

With aftersales support from AGCO Customer Support, it's not just about supplying a filter or doing an oil change. It's about providing the best solution to our customers' needs, wrapped up with industry-leading parts and service support.



Our promise to you

Our mission at Massey Ferguson, since the company was founded, has been to design, engineer and manufacture reliable, trustworthy and innovative machinery. Machinery that people recognise the world over.

VISION

Our vision for the world of agricultural machinery has always been clear; to produce worthwhile and innovative solutions for professional farmers feeding the world. Always recognisable, the Massey Ferguson brand of products signifies technological advancement, enhanced design, strict testing and quality manufacturing which is consistently trustworthy and hardworking.

INNOVATION

We've always been one step ahead when it comes to innovation. Our founder, Harry Ferguson is proof of that.

Through continual questioning and analysis of customers' needs, our products are designed, tested and built to enhance productivity, efficiency and convenience, constantly pushing the boundaries of farm machinery.

From the simplest push of a button to technological innovations in engine and transmission efficiency, we strive to make life simpler for the operator.

LEADERSHIP

Massey Ferguson is the most widely sold agricultural machine in the world, making us the leaders in the agricultural arena. We've won awards for our class-leading technology and advancement in design and we're already driving ahead, environmentally and economically.

QUALITY

It takes certain distinctive attributes to make a quality product. At Massey Ferguson, this distinction starts at the drawing board and doesn't stop. Every stage of manufacturing, from the building and testing process to sourcing the best components, demands excellence. Our products and services meet the most stringent standards allowing us to deliver our promises, confidently.

RELIABILITY

We don't let a Massey Ferguson machine out of our sight until we are 100% sure it will perform to the high standards you expect. Only after rigorous and painstaking testing both in simulations and in the field, will we allow our products to leave the factory. Whatever you put your machine through, day after day, season after season, we can guarantee we've already tested those limits and gone beyond them.

SUPPORT

Agriculture can be a tough business, that's why we make sure that you can get support whenever you need it and at crucial times of the year. Be assured of sustainability from more than 3,200 dealer outlets in over 140 countries and a comprehensive machinery distribution network, you'll be part of dedicated family of specialists who make it their business to give you genuine, top quality service support.

Equally, we won't let an opportunity slip through your fingers. If you have the commitment but not necessarily the financial resources to compete in today's market-driven climate then AGCO Finance could have the solution. Ask your local dealer for more information.

Financial options are market specific but can include leasing, hire purchase, contract hire and loan facilities.

PRIDE

Pride means many things to us at Massey Ferguson. It's in everything we do and it shows. It's in our proud heritage, our unique product design and our ongoing support to our customers.

COMMITMENT

We are deeply committed to delivering the highest of expectations and to build quality, reliable products with innovative features that are backed by the best support packages. Ultimately, we are committed to continuous growth and profitability for all, whilst recognising the needs of both large and small businesses through professionalism and quality.

Model		MF 8106	MF 8108	MF 8102	MF 8128	MF 8122	MF 8186
Frame		Rigid	Rigid	Rigid	Hydraulic vertical	Hydraulic vertical	Forward fold
Rows		6	8	12	8	12	16
Row Spacing	cm	70-76	70-76	70-76	70-76	70-76	70
Metering units - PAM™		•	•	•	•	•	•
Standard openers - Double disc		•	•	•	•	•	•
Blower drive	rpm	540 or 1000					
Markers	Standard	Rigid	Rigid	Rigid	Folding	Folding	Folding
No. wheels	Standard	4	4	6	4	6	8
Tyre size		7.5 L x 15-6	ply				
Drive standard - Ground chain & sprockets		•	•	•	•	•	•
Transmission		Quick-adjust, Centre-mounted					
Transport width	m	4.9	6.3	4.9	4.9	6.5	4.5
Seed discs available		Maize, Sunfl	ower, Sorghur	n, Soybeans,	Sugar beet		
Remote control valve requirements		2 for tractor hyd. driven blower 1 with pto driven blower pump			3 for tractor hyd. driven blower 2 with pto driven blower pump		
Options							
Closing wheels, range of types		О	0	0	0	0	0
Dry fertiliser		0	0	0	0	0	0
Liquid fertiliser		0	0	0	0	0	0
Herbicide/insecticide		0	0	0	0	0	0
Tillage attachments		0	0	0	0	0	0
Monitoring		0	0	0	0	0	0
Hopper capacities							
Seed hopper	Standard	70 litres	70 litres	70 litres	70 litres	70 litres	70 litres
	Optional	105 litres	105 litres	105 litres			105 litres
Herbicide only	kg	31.5	31	31			31
Pesticide only	kg	31.5	31	31			31
Herbicide / pesticide	kg	15.87 / 15.87	16 / 16	16 / 16			16 / 16

[•] StandardOptional

MF 555 Series highlights

Years of development, fine-tuning and constant improvement have created what the MF 555 planters are today - robust, reliable and consistently accurate, ensuring your crops get the best possible start.

- Wide range of models from 6-16 row to suit various farm size.
- Strong robust frame construction suitable for wide range of planting practises from conventional right thru to tough conservation (no till) planting.
- Heavy-duty MF 555 Row Unit with walking beam gauge wheels as standard to ensure unequalled & accurate depth of planting.
- O4 Industry renowned PAM™ Positive Air Metering, giving unparalleled precision accuracy & singulation.
- 05 Large capacity seed hoppers (75 or 105 litre).

- Choice of both dry or liquid fertiliser systems to match particular fertiliser programme.
- **07** Choice of granular or liquid insecticide attachment.
- Wide range of row unit or frame mounted attachments to tailor your planter to suit particular application.
- Backed and supported by factory trained dealer personnel.

