



MASSEY FERGUSON

MF AIR SEEDING EQUIPMENT



Research, development and extensive field testing have combined to produce an exceptional new series of air seeding equipment from Massey Ferguson, aimed specifically at meeting the demands of large-scale farming operations. This new range includes Single Disc Drills, Tyne Drills and Air Carts, all with a variety of working and transport widths to suit every situation.



The discs lift and displace soil from the seed furrow and create enough loose dirt for the packer wheels to adequately pack.

Massey Ferguson's Single Disc Drills reduce hair pinning and eliminate sidewall compaction

The Massey Ferguson Single Disc Drill does not have a gauge wheel running next to the disc. This allows the soil to lift and flow back against the packer to be re-leveled over the seed furrow.

Competitive drills' gauge wheels run next to their discs, firmly holding residue and soil in place. If the residue is not cut, it is tucked into the seed furrow. Even when seeding into very wet, humid residue, Massey Ferguson Single Disc Drill operators have not reported tucking as a problem. They also haven't had to wait for residue to dry.

On other drills, the gauge wheel position also causes sidewall compaction, or smearing. By trying to hold the soil in place, certain conditions actually compress soil against the blade, causing a compacted seed furrow. Smeared or compacted sidewalls also inhibit root development and, ultimately yield.

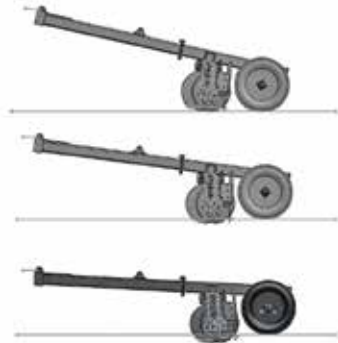
The Massey Ferguson patented "opposing single discs" lift and displace the soil between the two narrow 6-inch rows. The loosened soil coming off of the twin discs, flows back against the trailing packer which re-levels and firms the soil over the seed rows. This soil displacement eliminates sidewall compaction, hair pinning, and open seed furrows while leaving a 6-inch blackened strip to encourage soil warming.





Right away, you'll notice details that make the Single Disc Drill easier to operate and maintain, including:

- ▶ One rank seed openers
- ▶ Single point down pressure control
- ▶ On-the-go down pressure adjustment
- ▶ No springs on seed openers
- ▶ Low hp requirements
- ▶ Superior seed placement, even at high speeds
- ▶ Option to band NH₃ mid-row
- ▶ Easy depth control adjustments
- ▶ Simple daily maintenance (once every 24 hours)
- ▶ Annual greasing of bearings on all discs and packer hubs



Depth control adjustment

Height of the drill frame sets the depth of the row units. As the drill rises, the discs seed shallower. As the drill frame lowers, the discs seed deeper. Packer tires hold the discs precisely at seeding depth.



Depth control collars, in the frame cylinders, hold frame exactly at desired height.



The joy of simplicity



Precise down pressure

The down pressure is precisely maintained by a hydraulic cylinder on each tool bar. The pressure is constant throughout the entire range of cylinder travel. Pressure on the cylinders is controlled by the operator on-the-go. A pressure display on the down pressure control box allows the operator to monitor down force on the toolbars.



A drill for your farm

Drill specifications

Drill size	Suggested tractor hp*
30 feet	180-275 hp
40 feet	260-350 hp
50 feet	320-425 hp
60 feet	380-500 hp

*Consider air cart size, hills and soil type to determine tractor horsepower ahead of the Massey Ferguson Single Disc Drill

30 feet



40 feet



50 feet



60 feet



Advanced Monitor System

(ISO 11783 compatible) • Variable rate capable

State-of-the-art electronic system to monitor and control all Air Cart functions



ECU ISO Controller

For both ground drive and variable rate systems

The ISO compliant ECU (Electronic Control Unit) on the Air Cart monitors all critical information including fan speed, bin levels, meter status, ground speed, and acres. On variable rate units, it also allows the operator to monitor and change rates from the tractor and facilitates mapped application. This unit will work with all ISO-compliant virtual terminals and will operate with most ISO compatible systems. For guaranteed compatibility, the Massey Ferguson C-1000 virtual terminal is recommended.



C-1000

The model C-1000 virtual terminal is the perfect complement for the Air Cart ECU. The full color screen displays important information logically for the operator. Seeding rate, bin level status, acres, ground speed, fan speed, optional blockage and NH₃ application are displayed on the home screen for minimum operator input. Calibration screens are simple to access and displayed for operator ease. Robust and reliable, the C-1000 can be depended upon for years of trouble free service.

Standard monitor features

- ▶ ISOBUS design
- ▶ Ground speed
- ▶ Fan speed
- ▶ Acre count
- ▶ Bin level sensors
- ▶ Meter status sensors
- ▶ Meter shaft status
- ▶ Product use information

Optional features

- ▶ Individual row blockage
- ▶ Variable NH₃ control

Massey Ferguson Air Carts

Stainless steel lasts a lifetime

Massey Ferguson Air Carts allow you to precisely, yet gently, deliver seed and fertiliser to all Massey Ferguson Air Drills. A Massey Ferguson Air Cart is the ideal complement to our Single Disc Drill and Massey Ferguson Air Carts feed virtually any seeding tool or fertiliser applicator already on your farm. Choose from ground-driven meters or hydraulic-driven variable rate meters, variable NH_3 controls, optional tire sizes and axle spacing.

Our new ISO compliant monitors offer state-of-the-art technology and are compatible with most other in-cab terminals and many mapping application technologies. The bottom line is Massey Ferguson provides advanced stainless steel air carts and meters for a lifetime of durable, attractive and low maintenance operation.

Drill specifications

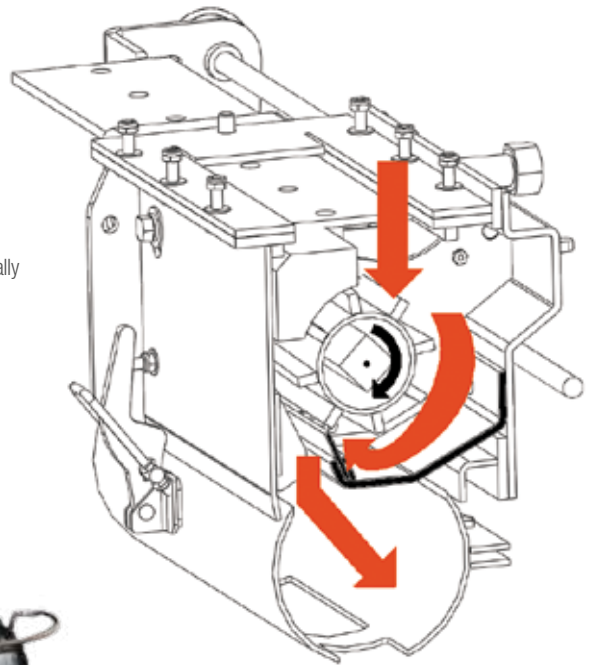
Models	Capacity	Bins
9920-280	280 bu.	2
9920-335	335 bu.	2
9930-525	525 bu.	3





Maintenance-free meters

Massey Ferguson re-engineered the metering system so it is virtually maintenance free. Our meter will gently handle all types of seed (including small seeds), yet accurately deliver any type of granular fertiliser without corrosion or excessive maintenance.



Tyne Drill

The Massey Ferguson Tyne Drill offers one pass seeding and exceptional small grain yield potential.

Ribbon-seeded bands and multiple fertiliser placement options offer small grain yields that other seeding systems just can't match.

The seed ribbon system with packed rows makes seed bed utilisation the highest in the industry. Plant response is a much stronger stem, superior roots and maximum yields. Through years of seeding trials, the Concord (predecessor to the Tyne Drill) proved over and over again this key to maximum production.

Depending on your choice of seed openers, fertiliser can be placed with the seed in a wide ribbon or place a portion of the fertiliser in the seed ribbon with the remaining fertiliser safely below the seed or off to the side. This seeding system offers the most flexibility in fertiliser placement. The system best for your farm can be tailored to match your tillage practices, soil, rainfall and tractor capacity. (Only available on drills with 15-inch spacing)

The key to uniform emergence in cereal grains is proper packing. The Massey Ferguson Tyne Drill weighs thousands of pounds more than most competitive drills. Combined with its wide packing wheels, this gives the Massey Ferguson Tyne Drill the best chance of superior seed-to-soil contact. Packing wheels are mounted on the walk beams with every walk beam separately spring mounted to the drill frame. Running over stones or on ridges will not hinder uniform, even packing.







Tyne Drill

Shanks are optimally placed on the Tyne Drill for maximum residue clearance. There are no clog points where shank placement is compromised to fit the drill frame. Optional coulters are available to allow operation in extreme residue conditions such as corn or sunflower stalks.

Optional disc levelers on the shanks will eliminate stepping (rear ranks covering front ranks to make a stepped field finish). The result is a smooth field finish regardless of field speed, allowing more acres seeded with no compromise to field finish.

The Massey Ferguson Tyne Drill is proven for superior equipment longevity. Operating costs on

the Massey Ferguson Tyne Drill consist of wear items: ground openers and air hoses.

An option for the tyne, cutting coulters give a tremendous advantage in heavy residue. Each shank has a cutting coulters devoted to clearing and cutting. With optional cutting coulters, seeding into standing corn stalks and heavy wheat residue is made easy.

For minimum-till and no-till applications, with superior fertiliser placement options, the Tyne Drill will be an efficient, high yielding choice for your farm.





Tyne Drill specifications:

Model	9730-40	9750-50	9750-60
Sections	3	5	5
Weight*	29,500 lbs. (13,381 kg)	33,800 lbs. (15,331 kg)	36,500 lbs. (16,556 kg)
Working width	40 ft. (12.2 m)	50 ft. (15.2 m)	60 ft. (18.3 m)
Transport width	21 ft. (6.4 m)	21 ft. (6.4 m)	21 ft. (6.4 m)
Transport clearance*	18 in. (45.7 cm)	18 in. (45.7 cm)	18 in. (45.7 cm)
Transport height	17 ft. (5.2 m)	15.5 ft. (4.7 m)	17 ft. (5.2 m)
Tyres/Main frame/Front	13.5 x 31 (12 ply)	H40 x 14.5 – 19 (20 ply)	H40 x 14.5 – 19 (20 ply)
Tyres/Main frame/Rear	13.5 x 31 (12 ply)	13.5 x 31 (12 ply)	13.5 x 31 (12 ply)
Tyres/Wings	13.5 x 31 (12 ply)	13.5 x 31 (12 ply)	13.5 x 31 (12 ply)
Packer tyres	26/6.50 – 15	26/6.50 – 15	26/6.50 – 15
Tractor requirements**	360 – 450 hp	360-450 hp	400-550 hp
# of seed openers	48	40	48
Seeding depth	0 – 4 in. (0 – 10.2 cm)	0-4 in. (0 – 10.2 cm)	0-4 in. (0 – 10.2 cm)
Shank degree	50 C-shank, 85-edge on	50 C-shank, 85-edge on	50 C-shank, 85-edge on
Row spacing	10 in. (25.4 cm)	15 in. (38.1 cm)	15 in. (38.1 cm)

*without ground openers and disc levelers. **depends on openers, soil type and terrain.

Single Disc Drill specifications:

Model	9830-30	9830-40	9850-50	9850-60
Width	30	40	50	60
Sections	3	3	3	5
Total weight	21,200 lbs. (9,616 kg)	26,500 lbs. (12,020 kg)	38,500 lbs. (17,463 kg)	42,500 lbs. (19,278 kg)
Weight with banders	24,500 lbs. (11,113 kg)	31,000 lbs. (14,061 kg)	44,000 lbs. (19,958 kg)	49,000 lbs. (22,226 kg)
Weight of ballast kit	1,280 lbs. (581 kg)	1,620 lbs. (735 kg)	2,220 lbs. (1,007 kg)	2,900 lbs. (1,315 kg)
Working width	30 ft. (9.1 m)	40 ft. (12.2 m)	50 ft. (15.2 m)	60 ft. (18.3 m)
Transport width	14 ft. 3 in. (4.3 m)	18 ft. 11 in. (5.8 m)	21 ft. 6 in. (6.6 m)	21 ft. 6 in. (6.6 m)
Transport clearance	0 – 20 in. (50.8 cm)	0 – 20 in. (50.8 cm)	0 – 20 in. (50.8 cm)	0 – 20 in. (50.8 cm)
Height	14 – 15 ft. 6 in. (4.42 – 4.72 m)	16-17 ft. 10 in. (5.13 – 5.44 m)	14 – 15 ft. 6 in. (4.42 – 4.72 m)	16-17 ft. 10 in. (5.13 – 5.43 m)
Tyres/Main frame	36 x 17.5 (14 ply)	36 x 17.5 (14 ply)	36 x 17.5 (14 ply)	36 x 17.5 (14 ply)
Tyres/Wings	36 x 17.5 (8 ply)	36 x 17.5 (8 ply)	36 x 17.5 (8 ply)	36 x 17.5 (8 ply)
Weight transfer	N/A	Req'd with banders	Standard	Standard
Tractor requirements **	180 – 275 hp	260 – 350 hp	320 – 425 hp	380 – 500 hp
# of seed openers	48	64	80	96
# of fertiliser openers	24	32	40	48
Disc size	18 in. (45.6 cm)	18 in. (45.6 cm)	18 in. (45.6 cm)	18 in. (45.6 cm)
Packing pressure	Operator adjusted	Operator adjusted	Operator adjusted	Operator adjusted
Seeding depth	0 – 3 in. (0 – 7.6 cm)	0-3 in. (0 – 7.6 cm)	0-3 in. (0 – 7.6 cm)	0 – 3 in. (0 – 7.6 cm)
Opener length	N/A	N/A	N/A	N/A
Row spacing	6/9 in. (15 – 23 cm) paired row	6/9 in. (15 – 23 cm) paired row	6/9 in. (15 – 23 cm) paired row	6/9 in. (15 – 23 cm) paired row

*Estimated weights. **Depends upon openers, soil type and terrain.

Air Cart Specifications:

Model	9930-525	9920-335	9920-280
Product capacity	525 bu. (18,500 L)	335 bu. (11,805 L)	280 bu. (9,866 L)
Compartments	3	2	2
Splits	175/225/125 bu. (6,166/7,928/4,404 L)	200/135 bu. (7,047/4,757 L)	168/112 bu. (5,920/3,946 L)
Single shoot/Double shoot	Single or Double	Single (Double optional)	Single (Double optional)

Dimensions

Working height	17 ft. (5.18 m)	13 ft. 4 in. (4.06 m)	12 ft. 8 in. (3.86 m)
Working width	16 ft. 6 in. (4.95 m)	11 ft. 5 in. (3.48 m)	11 ft. 5 in. (3.48 m)
Working length	30 ft. 2 in. (9.54 m)	27 ft. (8.23 m)	27 ft. (8.23 m)
Weight (empty)*	16,000 lb. (7,258 kg)	8,700 lb. (3,946 kg)	8,500 lb. (3,856 kg)
Fill height	11 ft. 9 in. (3.58 m)	11 ft. 8 in. (3.56 m)	11 ft. 2 in. (3.40 m)
Shipping height	10 ft. 5 in. (3.18 m)	10 ft. 3 in. (3.12 m)	9 ft. 6 in. (2.89 m)
Width	7 ft. 6 in. (2.28 m)	8 ft. 4 in. (2.54 m)	8 ft. 4 in. (2.54 m)
Length	28 ft. 3 in. (8.61 m)	19 ft. 2 in. (5.84 m)	19 ft. 2 in. (5.84 m)

Tire size and spacing

Configuration	Single axle (duals)	Two axles (singles)	Two axles (singles)
Standard size	24.5 x 42 (620/70R42 R1)	23.1 x 26 R1	23.1 x 26 R1
Optional size	None	18.4 x 26 R1	18.4 x 26 R1
	20 in. (50.8 cm) and 30 in. (76.2 cm) row crop compatible spacing on all models		

Other features

Fan drive	Single or Dual	Single (Dual optional)	Single (Dual optional)
Meter drives	Hydraulic	Ground and Hydraulic	Ground and Hydraulic
Fill auger (poly flighting)	10 in. (25.4 cm) x 25 ft. (7.6 m)	10 in. (25.4 cm) x 21 ft. (6.4 m)	8 in. (20.3 cm) x 18 ft. (5.5 m)
Work switch (auto start/stop)	Optional	Optional	Optional

*Estimated weights. **Depends upon openers, soil type and terrain.



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