



MCINTOSH
FARM MACHINERY

FORAGE WAGONS



STRENGTH / QUALITY / PERFORMANCE

FORAGE WAGONS 7.8 – 25m³

MULTICROP 7.8 - 20m³

You expect your farm machinery to go the distance, and McIntosh delivers with Forage Wagons built to the highest quality standards. We've thought about the rugged and unpredictable conditions on so many New Zealand farms and engineered a range of Forage Wagons that won't let you down when the going gets tough. McIntosh offered one of the first Forage Wagons on the New Zealand market, and we continue to have a proven track record for strength and reliability.

Every detail has been carefully thought out and designed to provide trouble-free operation for years to come. Our Silage Wagons are built with a true bathtub design. The narrower body is ideal for feed pad work, while still being stable on rolling country. Fully welded sides and 5mm steel floor gives our wagon superior strength and durability with no bolted or riveted joints. The elevator angle allows the front of the wagon to be fully loaded against, and it will start every time without the need to back the load off. The steep elevator design ensures the load is broken up and lifted over, not carried over in lumps. This gives a more consistent feed out on the ground



TITAN SERIES 7.8 - 25m³

The Titan Series Silage Wagons are built for the serious farmer. Heavy-duty 13mm floor and elevator chains and larger diameter sprockets are designed to handle larger and heavier volumes of material with ease. Larger floor and elevator shafts and bigger gearboxes give trouble-free operation and extended service life, with less time needed adjusting chains.

STANDARD FEATURES

- Two floor chains on the 500 – 700 models
- Three floor chains on the 800 – 1400 models
- 3mm pressed steel sides
- 5mm steel floor
- 10mm high tensile chains used throughout the Multicrop range
- 13mm high tensile chains throughout Titan range
- 900mm wide conveyor belt or centre feed
- Bolt-on floor slats, with welded elevator slats
- Bolt-on mudguards
- Bronzed brushed axle pivots
- Bronzed bushes used on drive shafts
- Cast iron bearing housing for longer life
- Fully hydraulic
- Fully welded construction
- German made gearbox on floor drive
- High quality paint system
- Idle sprockets turn on a hard chrome shaft
- Ladder
- Larger diameter conveyor rollers
- Plate towing eye
- Tandem oscillating axle
- Tracking strip on cross conveyor
- Variable floor speed
- Proven vertical elevator system with adjustable angle

FORAGE WAGON FEATURES



- Floor chains: Three on the 800 - 1400 models and two chains on the 500 - 700 models



- Individual chain adjusters with a 40mm shaft and 24mm threaded rod



- Heavy-duty back door made of 50 x 50 box section to help prevent bending



- True bumper bars with extra brace on the corner to strengthen and protect the conveyor



- Standard chassis on 500 – 900 models



- Stepped chassis to reduce overall height with the larger tyres on 1000 – 1700 models



- Cross conveyor slides out 200mm for trough feeding either manually (standard) or by the optional hydraulic ram



- 40:1 reduction gearbox for the floor drive eliminates the use of chains and sprockets, delivering more power direct to the floor



- All machines are sandblasted and sealed prior to the application of our high quality paint system with a two-pack finish coat to give a durable lifelong finish



- The elevator angle allows the front of the wagon to be fully loaded against, and will start every time without the need to back the load off



- 13mm floor and elevator chains used on the Titan Series, giving it double the strength of the 10mm used on Multicrop Wagons



- Large 13mm chain sprockets used on the Titan Series for longer life and less maintenance

FORAGE WAGONS 7.8 – 25m³

OPTIONAL EXTRAS

- 4 floor chains
- 4 elevator chains
- Brakes on 2 or 4 wheels – hydraulic or air
- Cross conveyor
 - Belt 1200mm wide
 - Roller chain 1200mm wide
 - Hydraulic conveyor extension 200mm
- Electric floor speed control
- Gearbox or chain elevator drive
- Grease gun holder with grease gun
- Grease hose from walking beam to mudguard
- LED Lights
- RHS mudguard protection
- Load cells on 4 points with optional
 - Alarm
 - Dummy load cells
 - Remote Display
- Pivoting cross conveyor extension
- Skid 300mm long
- Suspension
 - Air Bag
 - Springs
- Swivel drawbar tongue
- Tyre size options
- Walkway 250mm wide
- Other options available on request



■ Standard plate tongue makes hitching up easier using the quick hitch. Optional swivel tongue is ideal for rougher country



■ Optional 1200mm cross conveyor has a larger opening to help with feeding out square and round bales



■ Chain cross conveyor option requires less maintenance than a belt conveyor and has a larger valve and separate speed control



■ Pivoting cross conveyor extension for feeding over troughs and fences has two lifting rams, separate hydraulic motor and tracking strip on the belt



■ European load cells protected with steel covered load cell display and screen that turns to the side when loading



■ Optional grease line makes greasing of the axle pins a simple job, with no need to get under the wagon or remove mud from the grease nipple



■ Electronic floor speed control mounted in tractor



■ RHS mudguard protection



■ Remote load cell display mounted in tractor cab



■ Four floor and/or four elevator chains optional on all wagons and standard on Titan 1700



■ Brakes with extra adjustable external return springs to ensure brake pad release



■ 250mm wide walkway helps with loading bales and minerals

SPECIFICATIONS

The 500 – 1400 models are available as either a Multicrop or Titan Wagon with the same dimensions. Titan Wagon extras include:

- 13mm floor and elevator chains
- Larger diameter sprockets
- Larger floor and elevator shafts
- Bigger gearboxes
- Optional higher flow oil valves



MULTICROP & TITAN SPECIFICATIONS

MODEL	CUBIC CAPACITY (M3)	CUBIC TONNE (APPX)	AXLE	OVERALL WIDTH (M)	OVERALL LENGTH (M)	LOADING HEIGHT OF BIN	TRACK WIDTH (M)	TARE WEIGHT (APPROX)	TYRE SIZE	CROSS CONVEYOR HEIGHT (MM)	FLOOR CHAINS
500	7.8	5	Single	2.35	6.00	2.21	2.24	2080	12.5/80-15.3	650	2
600	9.1	6	Tandem	2.35	6.60	2.21	2.2	2562	11.5/80-15.3	650	2
700	10.1	6.75	Tandem	2.35	7.05	2.21	2.2	2702	11.5/80-15.3	650	2
800	12.4	8	Tandem	2.35	7.05	2.58	2.24	2902	12.5/80-15.3	750	3
900	14.3	9	Tandem	2.45	7.80	2.60	2.24	3286	15/70-18	750	3
1000	16	10.5	Tandem	2.45	8.50	2.60	2.4	4312	385/65R22.5	730	3
1200	17.6	12	Tandem	2.45	9.10	2.60	2.4	4850	385/65R22.5	730	3
1200 WIDE	18.4	12	Tandem	2.75	8.50	2.60	2.7	4735	385/65R22.5	730	3
1400	20.2	13.5	Tandem	2.75	9.10	2.60	2.7	5205	385/65R22.5	730	3
1700	24.8	17.5	Tandem	2.94	9.10	2.95	2.94	5835	500/65-22.5	740	4



The long throw is ideal for feeding into troughs or under electric fences

INSIDE WIDTH (M)	INSIDE LENGTH (M)	INSIDE HEIGHT (M)
2.05	3.50	1.13
2.05	4.10	1.13
2.05	4.55	1.13
2.05	4.55	1.38
2.05	5.25	1.38
2.05	5.85	1.38
2.35	6.45	1.38
2.35	5.85	1.38
2.35	6.45	1.38
2.35	6.45	1.68

BEATER WAGONS 12 - 20m³

Designed to provide a more consistent and even mix, the McIntosh Beater wagon is an addition to the conventional chain elevator system. The unique design with three PTO-driven horizontal beaters allows for better incorporation and more consistent blending of different products. Bales are broken up so that cows do not have to lift their heads to drag the feed apart, resulting in less wastage. McIntosh Beater Wagons can handle round and square bales quickly and efficiently, operating in both field and feed pad conditions.



Feeding maize, potatoes and square bales

STANDARD FEATURES

- Available from 12-20m³
- 3mm pressed steel sides
- 5mm steel floor
- 13mm high tensile chains used throughout
- 75 x 40 channel floor slats
- 900mm wide conveyor belt
- Augers rotate to centre
- Bisalloy steel tips on augers
- Bolt on fixed towing eye
- Bolt on floor slats
- Bolt on mudguards
- Bronze bushed axel pivots
- Driven by 1¼" and 1" simplex roller chains
- Electric floor speed control
- Fully welded construction
- Gearbox on floor drive
- High quality paint system
- Ladder
- Large diameter conveyor roller
- PTO driven augers with ratchet clutch
- Tandem oscillating axle
- Tracing strip on cross conveyor

OPTIONAL EXTRAS

- 4 floor chains
- Brakes on 2 or 4 wheels
- Hydraulic or air brakes
- Grease gun holder
- Grease hose from walking beam to mudguard
- LED Lights
- Swivel drawbar tongue
- Cross conveyor
 - Roller chain 900mm wide
 - Hydraulic conveyor extension 200mm
- Load cells on 4 points with optional
 - Alarm
 - Dummy load cells
 - Remote display
- Pivoting cross conveyor extension
- RHS mudguard protection
- Skid 300mm long
- Tyre size options
- Walkway 250mm wide
- Other options available on request

BEATER WAGON FEATURES



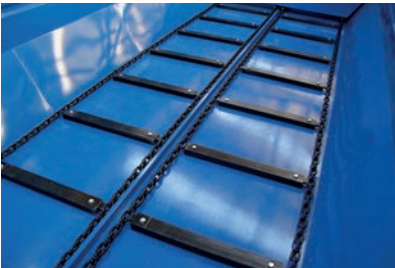
■ Side view showing beater attachment and hood, which channels feed onto the belt



■ Feeds round bales in a long, even, continuous line – difficult to achieve with a conventional elevator



■ Feeding maize, potatoes and large square bales, the square bale is completely broken up



■ Optional four floor chains provide longer life for chains and sprockets



■ Feeding round bales into troughs with an even distribution



■ Augers completely break up round bales for even more feeding



■ Long throw ideal for feeding into troughs



■ Three PTO-driven horizontal beaters



■ Round bales loaded into wagon ready to be fed out



■ Optional LED taillights mounted high for better visibility

PRODUCT RANGE

BALE FEEDERS

Available in single, double and trough models, the newest series of McIntosh Bale feeders feature a deep V cradle, larger high-capacity hydraulic motor, twin catches and heavy-duty chains.



TIP TRAILERS

Available from 4.5 – 17 tonne, McIntosh Tip Trailers are built tough enough to take full loads of metal for years. It's no wonder we've earned a reputation as the strongest trailer around.

SILAGE CRATES

Available on any size trailer, McIntosh Silage Crates have a fold down panel at the top front of the crate. Choose from either rope or ram options to open the back door.



MANURE SPREADERS

Available in 7.5, 10.8, and 13.5m³, McIntosh Manure Spreaders are designed to spread a wide variety of products in a consistent and even manner. New 13mm floor chains and improved sealing rubbers have enhanced the performance and build quality.

MCINTOSH BROTHERS ENGINEERING LTD

- 85 Armstrong Street | PO Box 4240 | Palmerston North, New Zealand
- Freephone: 0800 622 276 | Phone +64 6 356 7056 | Fax +64 6 356 7055
- sales@mcintosh.net.nz | www.mcintosh.net.nz

All equipment is guaranteed for 12 months from the date of entering service, provided it has not been subject to improper usage and/or overloading or any other conditions contrary to the manufacturers' specifications or recommendations. Specifications are subject to change without notice.