MORRIS



10 SERIES

WE GROW BETTER CROPS

Take Your Operation to the Next Level.

The 10 Series air cart is designed to optimise the number of hectares our customers seed each day.

This air cart series is loaded with Australian customer-inspired ideas and technology to minimise the time spent on seeding and filling operations and to maximise the number of hectares planted for each tank fill.

The 10 Series air cart exemplifies quality with a number of premium components and materials to provide years of low-maintenance, trouble-free service.

Morris knows the pressure farmers are under when seeding crops in a narrow window of time and designed the 10 Series to ease this burden.

Seed With Confidence.



LOAD CELLS UNDER EACH TANK

Be confident about product weight going in and out of each granular tank.

DYNAMIC CALIBRATION

Spend less time calibrating. Use calibration correction to maximise seeding efficiency.



Less Time Filling. More Time Seeding.

CONVEY-ALL CONVEYOR

This single belt conveyor with a low profile hopper fills tanks rapidly (3,800L/min) and features a stainless steel top and bottom to keep this machine looking good for years. A 10-way remote control is used for conveyor movement and speed.



Agronomically Superior by Design.

MAXIMISE HECTARES PER FILL

Tanks are sized to empty at the same time by applying agronomic principles and established nutrient uptake ratios.

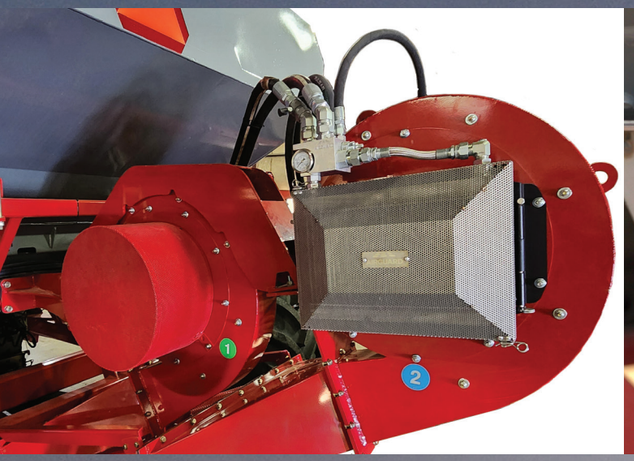
OPTIMIZER TANK (SMALL SEEDS)

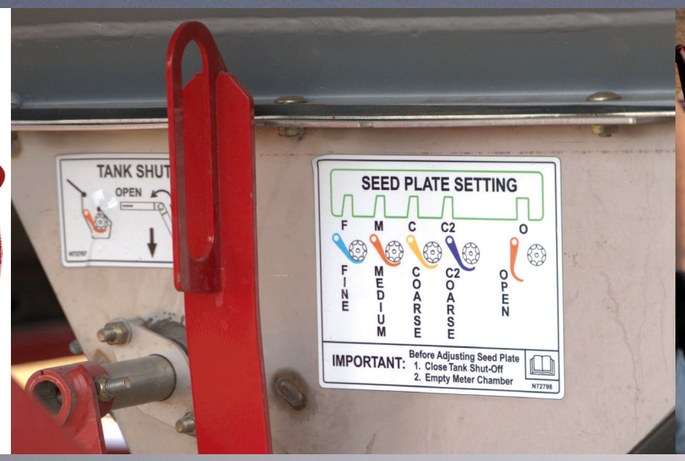
This tank will hold two bulker bags of canola and can be used to optimise the hectares per fill when seeding other crops.

10 series 740L model

CROP	OPTIMIZER (2,819 L)	TANK 2 (11,628 L)	TANK 3 (8,500 L)	TANK 4 (11,628 L)	MAXIMUM HECTARES/FILL
	HECTARES/FILL				
wheat @ 60 kg/ha		156			142
UAN @ 60 L/ha			142		
fertiliser @ 100 kg/ha	29			117	
barley @ 60 kg/ha		127			127
UAN @ 60 L/ha			142		
fertiliser @ 100 kg/ha	29			117	

Assumptions: Some products use more than one tank to maximise hectares/fill (e.g. Optimizer tank + Tank 4 is 29 +117 = 146 hectares/fill).
Bulk densities: wheat= 0.8, barley=0.65, fertiliser=1.0.









HIGH CAPACITY FANS

Push large product rates with the new 22" diameter fans and the AirGuard blockage prevention system. Now standard on lower fertiliser runs.

FAST, CONVENIENT ADJUSTMENTS

Morris uses a common metering wheel in each metering body. A single lever adjusts seed plate clearance when metering different products.

EFFICIENT & CAMERA-READY TANKS

The 10 Series tanks have large top lids for highly efficient filling and steep angles on the tanks for improved emptying. All tanks come with camera mounting brackets and self-sealing grommets for optional camera cables.

REDUCED FOOTPRINT

Reduce soil compaction and get stuck less with larger tyres and rims.

Light Up the Night.

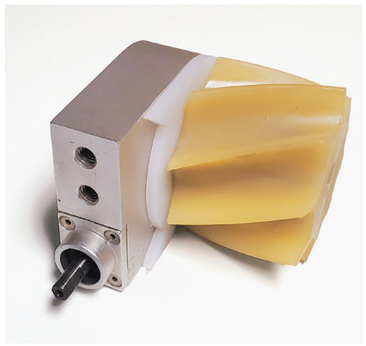
25000 lumen light system makes operation at night easy. Lights are located inside tanks, on walkways, under tanks as well lights to illuminate the seeding bar.

Next Generation Sectional Control.

ELECTRIC-DRIVEN METERING

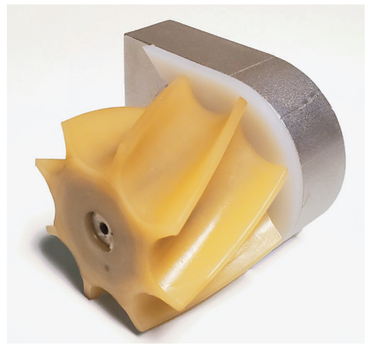
All new metering system driven by 24 V brushless motors with infinitely adjustable rates.





SEED METER GEAR BOX

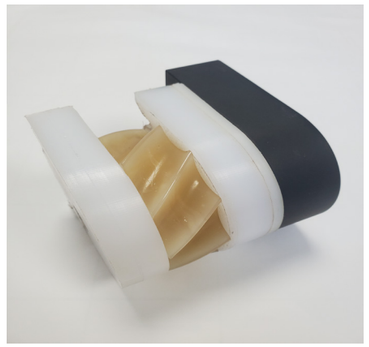
A 40:1 worm drive gear box with sealed housing and stainless steel output shaft connects the electric motor to the metering wheel.



SPIRAL FLUTED METERING WHEEL

The spiral fluted metering wheel is a Morris staple – its continuous flow of product into the air stream is the gold-standard in metering accuracy.

Rate range: 20-300 kg/ha

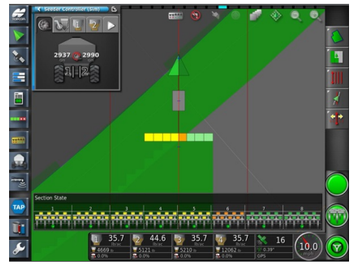


OPTIMIZER TANK METERING WHEEL

This metering wheel is used in the Optimizer Tank™ (Small Seeds) and delivers outstanding low-rate flow of product into the air stream.

Rate range: 1-50 kg/ha

Top Notch Controls.



FULLY AUTOMATED SECTIONAL CONTROL

Topcon's proven fully adjustable and automated sectional control eliminates overlap and seeding misses.

IMPLEMENT COVERAGE SHARING

When seeding in the same paddock with multiple seeding systems, coverage maps are shared between machines so that the sectional control systems prevent seeding over land already planted.



AUTO-PACK

This feature maintains consistent press wheel packing force and optimises opener penetration across variable soil conditions by managing opener hydraulic pressure on Quantum drills equipped with this feature.

AUTO-LIFT

This feature automatically lifts and lowers the Quantum bar on headlands.

- Actual packing force and opener operating pressure
- Lift control settings and activation status

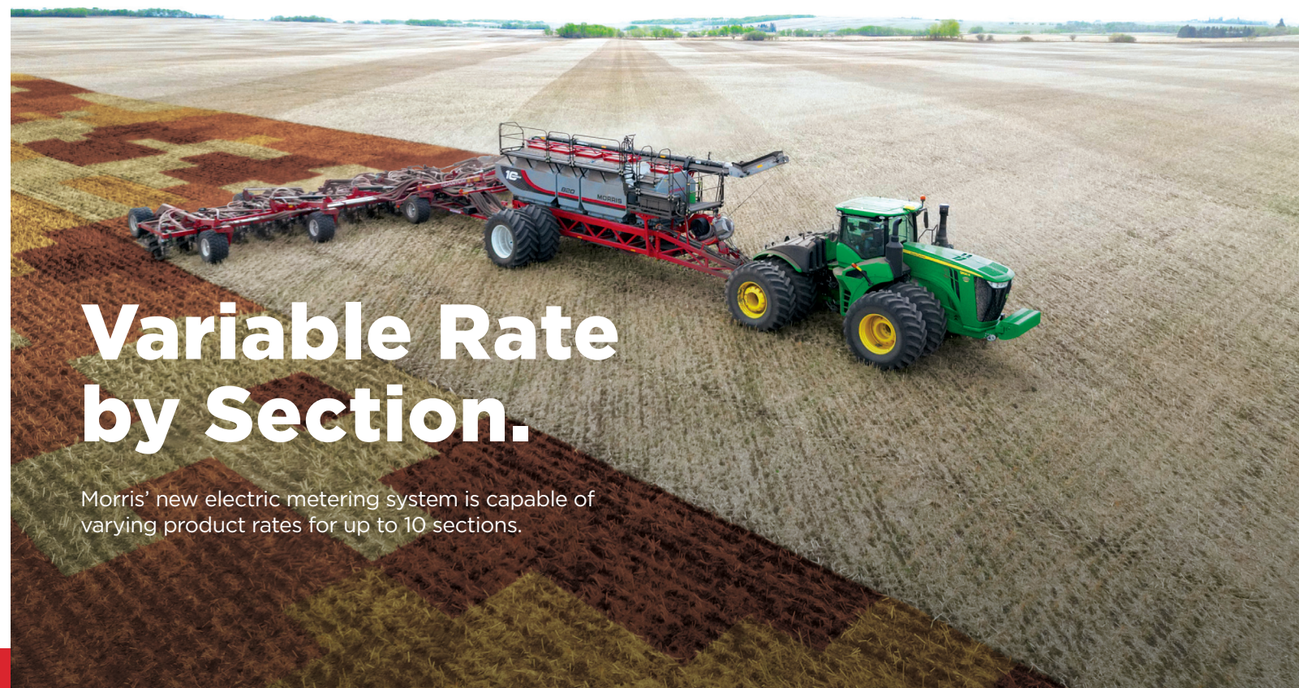
NEW TOPCON XD+ MONITOR

Optimise workflow with full-feature customisation.



TOPCON AGRICULTURE PLATFORM (TAP)

This subscription-based feature synchronises data effortlessly from in-cab and the office through TAP and works with nearly any data format.



Variable Rate by Section.

Morris' new electric metering system is capable of varying product rates for up to 10 sections.

Quality You Can Rely On.

Premium Finish & Materials.

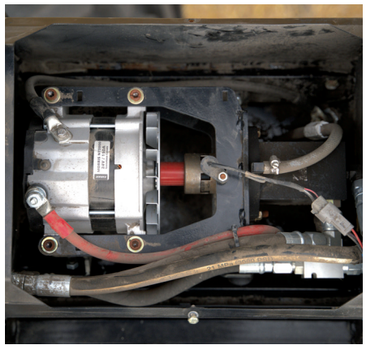
STAINLESS STEEL IN ALL THE RIGHT PLACES

The conveyor top and bottom, metering bodies, collector bodies, primary pipes and quick-access doors are all made from high-grade stainless steel.

POWDER COAT PAINT

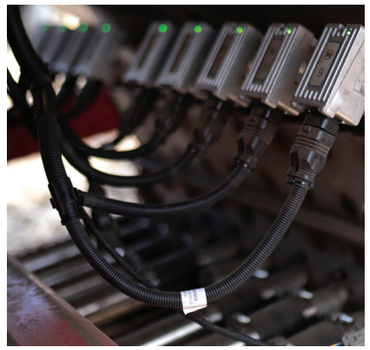
We use a premium UV-resistant powder coat paint to keep the 10 Series air cart looking great for years.

Premium Componentry



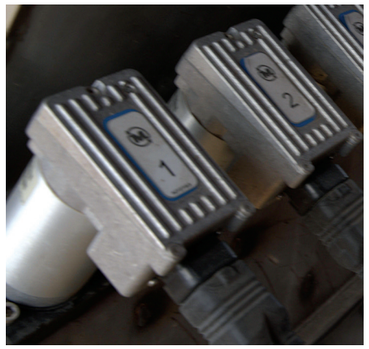
ALTERNATOR

A hydraulically driven 150 amp, 24 V brushless alternator sends power to the metering system.



MILITARY-GRADE HARNESS CONNECTIONS

Superior connections make electrical systems more reliable.



24 V ELECTRIC MOTORS

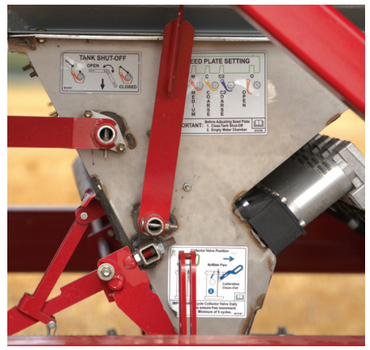
Morris selected an over-built, maintenance-free brushless electric motor with 3x the power of other manufacturers so when you are working hard, the motors will be hardly working.

Premium Experience



IMPROVED STAIRS

The flip-up bottom step with gas shock reduces the potential for damage and provides superior ergonomics.



CONVENIENT ADJUSTMENTS

All settings are done from the left-hand side. This includes calibration, adjusting seed plates and double shoot collectors as well as the easy new tank shut-off gates.



XTEND CONVENIENCE FEATURE

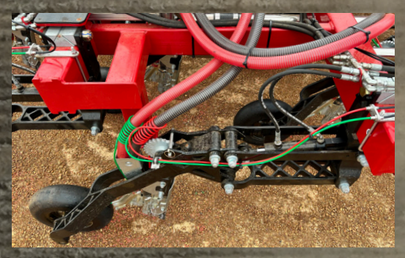
This app eliminates going back and forth between the air cart and tractor cab when doing rate calibrations.

Fully integrated liquid

The Morris 10 series range includes models with fully integrated liquid tanks, made from high-grade stainless steel, designed and manufactured in Australia.
Liquid models are combined with either 2 or 3-tank granular combination air carts.

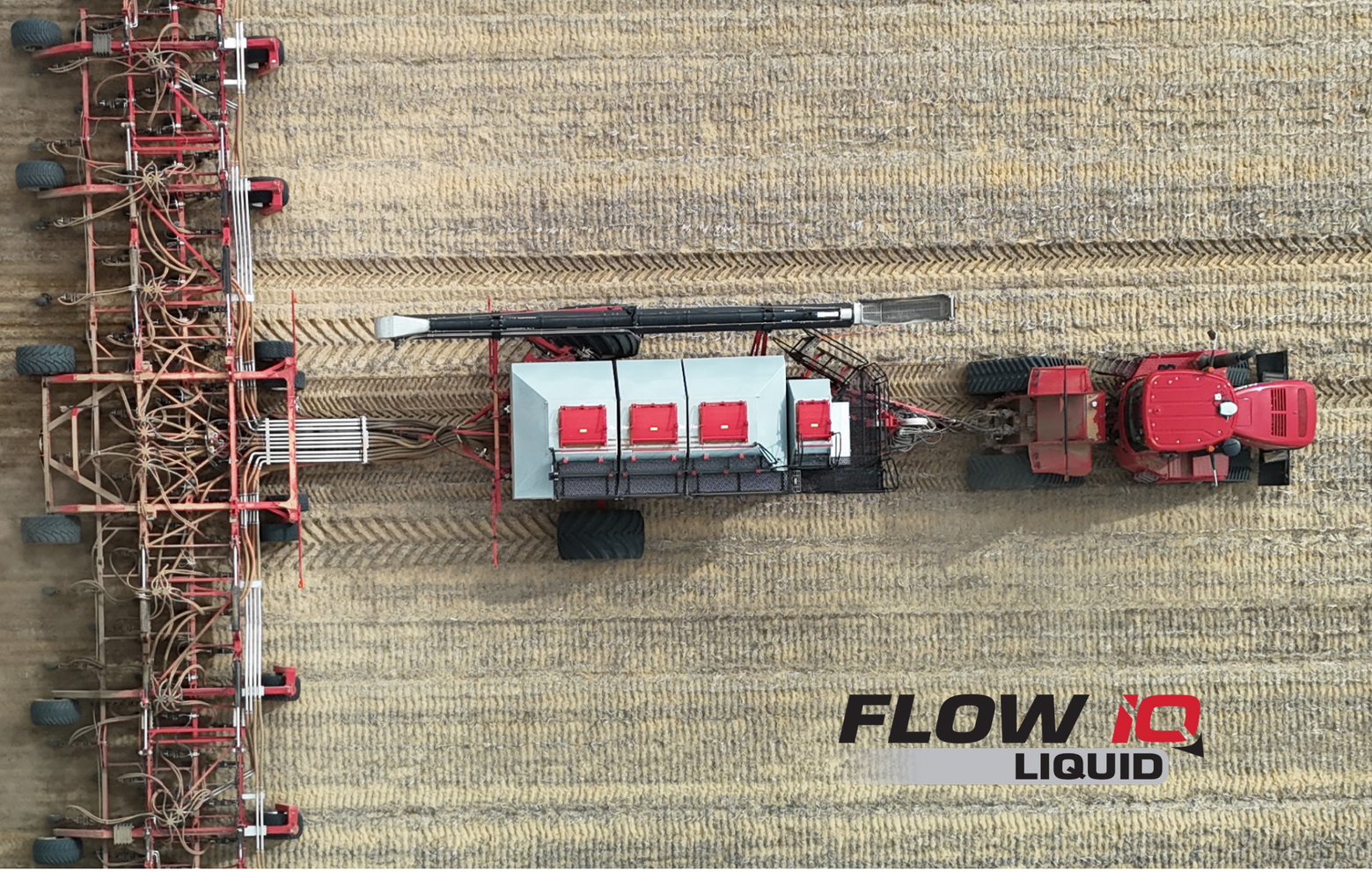


LIQUID DELIVERY SYSTEM: FURROW MANAGEMENT
The Furrow Management system is designed for precise, even and accurate in-furrow delivery of single and dual (optional) liquid applications.
The hydraulically-driven Hypro liquid pump delivers 356 l/min product flow.
Agitation is now standard.



Furrow Management offers direct regulation, allowing for separate pressure and flow between delivery and agitation circuits.
This means that high pressure can be applied to the agitation circuit whilst simultaneously allowing low pressure to be applied to liquid distribution systems on the bar.

A full liquid kit including manifolds, friction tubing, mounting brackets and delivery to the boot can also be supplied.



MODEL	FRAME SIZE	TOTAL CAPACITY (L)	Tank 1 (L)	Tank 2 (L)	GRANULAR Tank 3 (L)	LIQUID Tank 3 (L)	Tank 4 (L)	WEIGHT Tow Behind (KG)	WEIGHT Tow Between (KG)	HEIGHT (mm) Rails Up	HEIGHT (mm) Rails Down	WHEEL CENTRES (mm) Tow Behind	WHEEL CENTRES (mm) Tow Between	TYRES Tow Behind	TYRES Tow Between
10-460L	**REGULAR**	21,210	2,114	7,048		5,000	7,048	16,200	14,750	4,790	4,390	Front & Rear 3,048	3,048	Front VF710/70R 42 Rear VF710/70R 42	VF710/70R 42 CHO
10-590		20,791	2,114	7,048	4,581		7,048	15,325	13,854						
10-500L	**LARGE**	24,118		8,809		6,500	8,809	17,840	14,977			Front 800/70R 38 Rear 1250/50R 32 194A8 SFT	4,800	Front 800/70R 38 Rear 1250/50R 32 194A8 SFT	194A8 SFT
10-580L		26,937	2,819	8,809		6,500	8,809	18,552	15,689						
10-755G		26,603	2,819	8,809	6,166		8,809	18,338	15,236						
10-660L	**X-LARGE**	31,756		11,628		8,500	11,628	18,751	16,057						1250/50R 32 201B
10-740L		34,575	2,819	11,628		8,500	11,628	19,436	16,742						
10-970G		34,103	2,819	11,628	8,028		11,628	18,267	15,573						

10 SERIES AIR CARTS

SPECIFICATIONS

Hydraulic System	Fan	22" (58 cm) Diameter Impeller (5000 RPM Max)
	Hydraulic Fan Motor(s)	19cc (95 l/min) at 3,100 psi (21,374 kPa) Dual fans require 190 l/min
	Aux Power Unit (APU)	6.3cc (28 l/min)
	Total Max Hydraulic Requirements"	220 l/min (excludes bar and liquid require-ments)
Product Conveyance	Convey-All Conveyor	35' x 10" Tube x 16" Belt 3,800 l/min (wheat)
	Hydraulic Requirement	80 l/min (flow controlled)
Meter System	Meter Drive	24v Brushless Electric Motors 180w
	Primary Air System	10 Run/2.5" Dia Stainless Steel
	Meter Rate Range	Tank 1: Low 1-50 kg/ha Tanks 2-4: Standard 20-300 kg/ha
	Same Side Ajustment of Seed Plates, Tank Shut-offs, Double Shoot Collectors and Quick Access Doors	Standard
Runs	Number Primary Runs - single / double	6-10 / 12-20
	Number Secondary Runs - single / double	35-100 / 70-200
Primary Run Requirements	12m tillage - 6 Primary Runs	
	15m tillage - 6 Primary Runs (Rates < 80kg/ha) 8 Primary Runs (Rates > 80kg/ha)	
	18m tillage - 8 Primary Runs	
	21m tillage - 8 Primary Runs - 300mm spacing 9 Primary Runs - 250mm spacing	
	24m tillage - 10 Primary Runs	
Liquid	Total pump output	356 L
	Hydraulic oil requirements	23 l/min
	Product tanks	Fully integrated stainless steel
ELECTRICAL SYSTEM	**24v Brushless Alternator**	150A
	24v/12v Equaliser System	24v-150A/12v-40A
	Sealed ECU and Battery Modules	Standard
	Military Grade Harness Connectors	Standard
	Undertank/Intank/Walkway/Conveyor Lighting	12K Lumens
	Tool Bar Lighting	16K Lumens
CONTROLS	**Display Monitor**	Topcon XD+ Console
	Automated Sectional Control	Fully adjustable sectional timing
	Variable Rate by Section	Automated rate control for each 2-3m section
	Weigh Scales	Individual granular tanks on load cells
	Auto-Lift	Automatically lifts/lowers bar on headlands
	Auto-Pack	Consistent packing & placement throughout paddocks
	Xtend	This app remotely connects to the Topcon XD+ monitor
	Implement-Implement Coverage	Shares maps between seeding systems
	Topcon Agricultural Platform (TAP)	Data management service that simplifies data transfer between the field and the office

We grow
better crops

MHVP PTY LTD
11 Des Young Drive, Moree, NSW, 2400
Call us on: (02) 6752 4082
E: paul@mhvp.com.au

MORRIS SUPERIOR FARMS

The policy of MORRIS EQUIPMENT LTD. is one of continuing improvement. Therefore, the company reserves the right to change any specification without notice.

Photos are for illustration purposes only. Correct as per Jully 2025.