



### Mechanical Drive Metering.

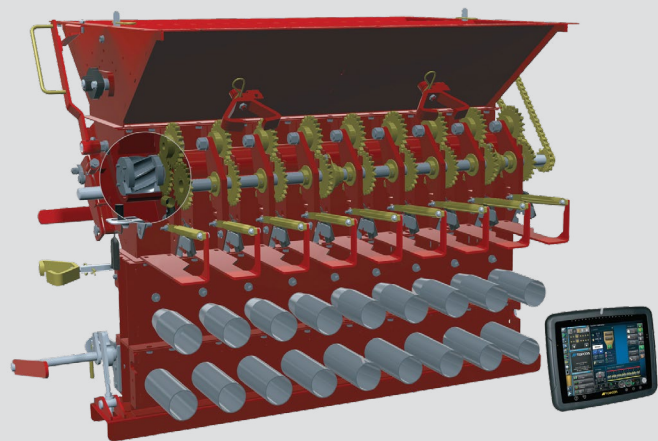
Keep it simple! Quick change sprockets provide simple, reliable adjustment for different rates of crops, and fertilizers. The two speed transmission delivers smooth even product metering across a specrum of rate ranges. The Loup Elite monitor displays all critical information on an easy to read 7" display.



### TopCon Variable Rate Metering.

Apply the right fertilizer in the right place. Expect smooth and responsive rate changes from the Morris 9 Series hydraulic metering with integrated transmission.

The Topcon control system will automatically control up to 8 products such as seed, granular products, liquid fertilizer or anhydrous ammonia when used with variable rate application prescriptions.



# Input Control Technology

Eliminate overlap, reduce your input costs.

### How it works

- The Topcon controls system maps the area seeded and controls the hydraulics for individual sections
- The hydraulic cylinder on the individual section disengages the metering wheel from the gear cluster when the drill approaches a seeded area
- Individual section metering wheels remain charged with product and are re-engaged as the drill approaches the unseeded area

### Key Benefits of Morris ICT

- Topcon controls possess superior application/ mapping capabilities that eliminate issues of unseeded triangles and are designed to work with both tow between and tow behind air carts.
- Maintains correct rates by section (no issues with product cross-over).
- High rate delivery with no plugging issues in primary hoses.
- Prevent disturbing already seeded areas by using a field boundary and seeding the headlands last.

### Topcon User Convenience Features



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

### Packing Force Control

This feature maintains consistent packing force and optimizes opener penetration across variable soil conditions by managing opener hydraulic pressure.

### Lift Control

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

## 9 SERIES AIR CART

Specifications and Options

Configuration	Tow-Between	Tow-Behind
Rear Tow Hitch - 9450 - Draft Load	Standard 26,000 lb (11,818 kg)	Optional 15,000 lb (6,818 kg)
Rear Tow Hitch - 9550, 9650, 9800 and 91000 - Draft Load	Standard 26,000 lb (11,818 kg)	Standard 26,000 lb (11,818 kg)
Hitch Jack	Manual Jack 9450 Hydraulic Jack 9550 - 91000	N/A 9450 Manual Jack 9550 - 91000
Fan Impeller Diameter and rated rpm	17" (43 cm) - Up to 5,000 rpm	
Hydraulic Driven Fan(s) - Hydraulic requirements for each Fan.	16cc - piston type orbit motor 21 U.S. gal./min. (80 l/min) at 2,750 p.s.i. (18,960 kpa) ICT-VR requires an additional 8 U.S. gal/min (30 l/min)	
Product Conveyance Options - 10" diameter auger with hydraulic driven extended hopper - 12" diameter auger with hydraulic driven extended hopper - 16" KSI conveyor - Hydraulic movement arms with hand-held remote	Standard 9450 to 9650 models Standard 9800 and 91000 models Optional - 9550 - 91000 models Standard	
Metering Drive Options - Mechanical drive with Loup Elite monitor - Variable Rate with Topcon X35 or ISO VT - ICT sectional control with Topcon X35	Activates via clutches Hydraulic driven Hydraulic driven	
Meter Shut-Off - Mechanical Drive - VR and ICT Drives	Electric pressure activated work switch (optional) GPS coverage maps	
Stainless pipe/primary hose diameter	2 1/2" (6.4 cm)	
Quick access doors, tank inspection shut-off, easy clean-out system.	Standard	
Monitor Display Information  - Loup Elite   - Topcon X35	Fan speed, meter shafts, application rates, tank levels, ground speed, area seeded.	
	Fan speed, meter shafts, application rates, tank levels, ground speed, area seeded, individual section status (ICT), as-applied maps, VR layers, and packing force (optional).	

Tank Capacity								Tire Specifications								
Model	Front Tank	Mid 1 Tank	Mid 2 Tank	Rear Tank	Total	Weight Tow Behind	Weight Tow Between	Tire	Style	Rating	Pressure					
											BT 9450	BH 9450	BT 9550 9650	BH 9550 9650	BT 9800	BH 9800 91000
9450	182 bu	86 bu	N/A	182 bu	450 bu	11900 lbs	15100 lbs	500/70 R24 Front Castor	Lug	LI 157	-	25 psi STD	-	-	-	-
	226.5 cu ft	107 cu ft		226.5 cu ft	15858 litres	5398 kg	6849 kg									
9550	221 bu	107 bu	N/A	221 bu	549 bu	18000 lbs	20700 lbs	750/65R26 Quad Steer	Lug	165 A8	-	18 psi	-	18 psi STD	-	-
	275 cu ft	133 cu ft		275 cu ft	19348 litres	8165 kg	9389 kg									
9650	221 bu	107 bu	107 bu	221 bu	656 bu	18700 lbs	21400 lbs	800/65R32	Lug	172 A8	20 psi STD	20 psi STD	-	-	20 psi STD	20 psi Front Axle
	275 cu ft	133 cu ft	133 cu ft	275 cu ft	23120 litres	8482 kg	9707 kg									
9800	265 bu	133 bu	133 bu	284 bu	815 bu	30240 lbs	29740 lbs	800/65R32 Dual Wheels	Lug	172 A8	-	-	20 psi STD	20 psi STD	-	-
	330 cu ft	166 cu ft	166 cu ft	353 cu ft	28747 litres	13720 kg	13490 kg									
91000	331 bu	162 bu	162 bu	349 bu	1004 bu	31240 lbs	N/A	800/70R38 Dual Wheels	Lug	173 A8	-	-	-	-	20 psi STD	20 psi STD
	412 cu ft	202 cu ft	202 cu ft	434 cu ft	35380 litres	14170 kg										

\* BH - Tow-Behind only    \*BT - Tow-Between only    STD - Standard

# MORRIS

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

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# MORRIS

# 9 SERIES



## AIR CART

## WE GROW BETTER CROPS

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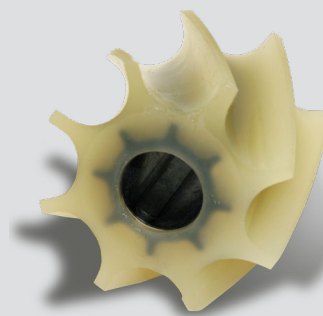


# Accuracy and Reliability you can count on.

Farmers are under tremendous pressure to get their crops planted on time. The 9 Series is a highly reliable and durable air cart that optimizes 'up-time'. With stainless steel in all the right places and three stage automotive-quality paint, this is a machine that will last. You can rely on the proven Morris 9 Series air carts to get the job done quickly and accurately, and to look great for years to come.



## Accuracy & Reliability



### Spiral fluted metering

The spiral fluted metering wheel is central to Morris' renowned accurate air carts. By design it provides a continuous product flow into the air stream even at very low rates. These metering wheels come with a lifetime warranty (original owner) and are designed to meter all product sizes and rates.



### Fixed Metering Wheels.

On a Morris air cart there is no need to change metering wheels when you change crops. A seed plate that wraps around the metering wheels is used to adjust across the spectrum of seed sizes our customers plant from canola to faba beans.



### Flat fan divider heads

The flat fan divider head is another Morris innovation that allows seed and fertilizer to travel in a horizontal path from the air cart to the drill with no vertical lifts that rob air system capacity. This unique design has an established reputation for being gentle on the seed and allowing for very high product application rates. Our new stainless steel heads have a 30% larger internal area to improve passage of large seed and maintain a consistent level of variation to each opener at product application rates up to 450 lb/ac.

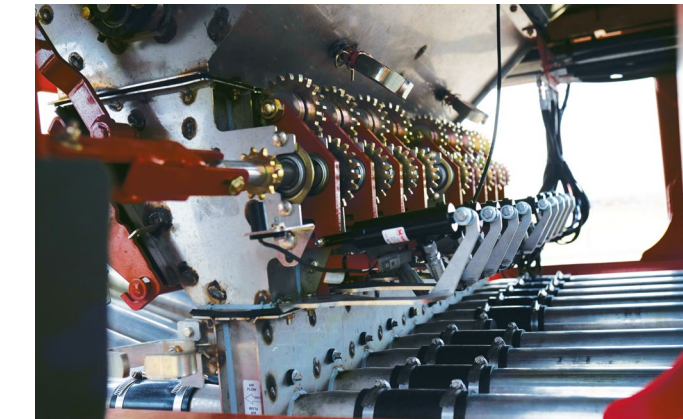
## Built to last and easy to use

The design philosophy of the 9 Series air cart came directly from our customers.



### Tank construction

Our tanks are manufactured with 10 gauge steel that is stitch-welded for extra strength. We use a resilient 3-stage DuPont automotive paint that keeps our carts looking great for years.



### Nothing lasts like stainless steel

From where it fastens to the tank and down, we use stainless steel extensively to eliminate the corrosive effects of fertilizer.



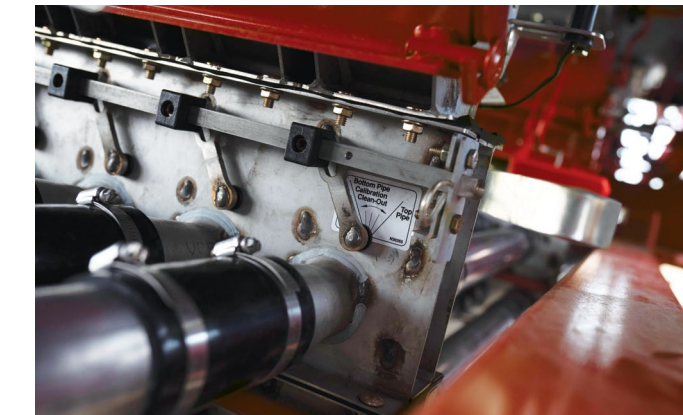
### Work from the left-hand side.

Calibrate, fill and access the top of the air cart from one side.



### Quick Access Doors

Our quick access doors make your work easy when calibrating or emptying tanks.



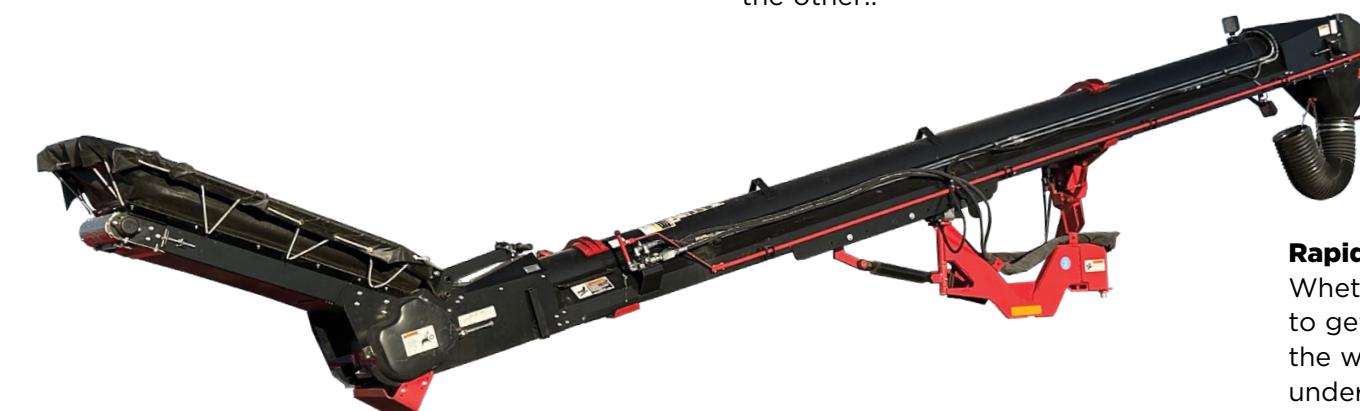
### Double shoot collector bodies

Maximize acres per tank. The product in the tank above can be put into either air stream by shifting the flapper valves to one side or the other..



### Easy-fill lids.

Feel stable and secure! Our walkway is below the top of the tank. To open tank the lid, squeeze the handle and pull towards you. You can fill all tanks without moving your truck



### Rapidly load your cart and get back to seeding

Whether you prefer an auger or conveyor, Morris has a solution to get your tank filled. The hydraulic movement arms take all the work out of positioning your preferred conveyance system under trucks or your air cart..