

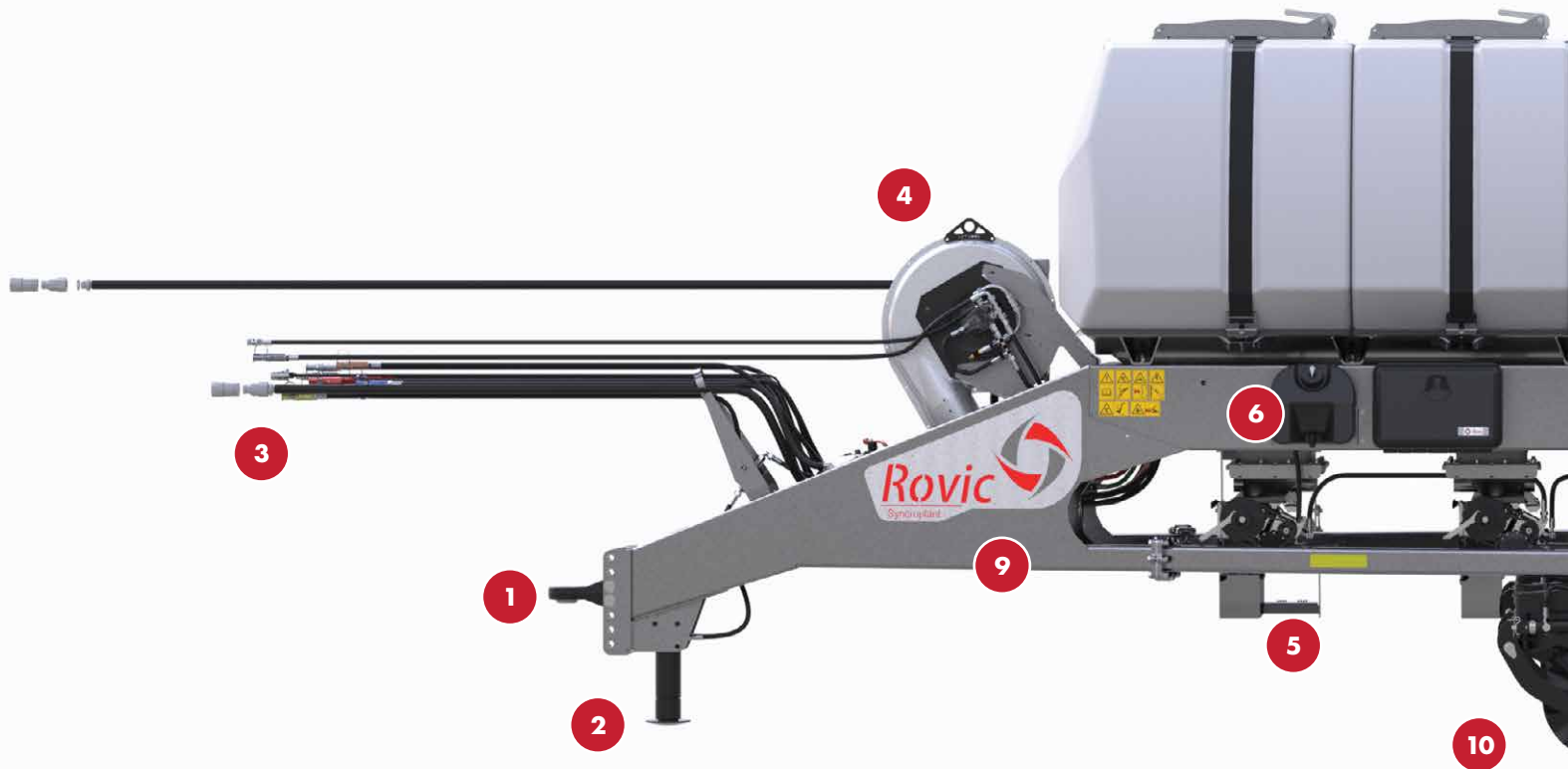
INCREASE YIELDS BY
UP TO 24.2% *

* T'S & C'S APPLY.



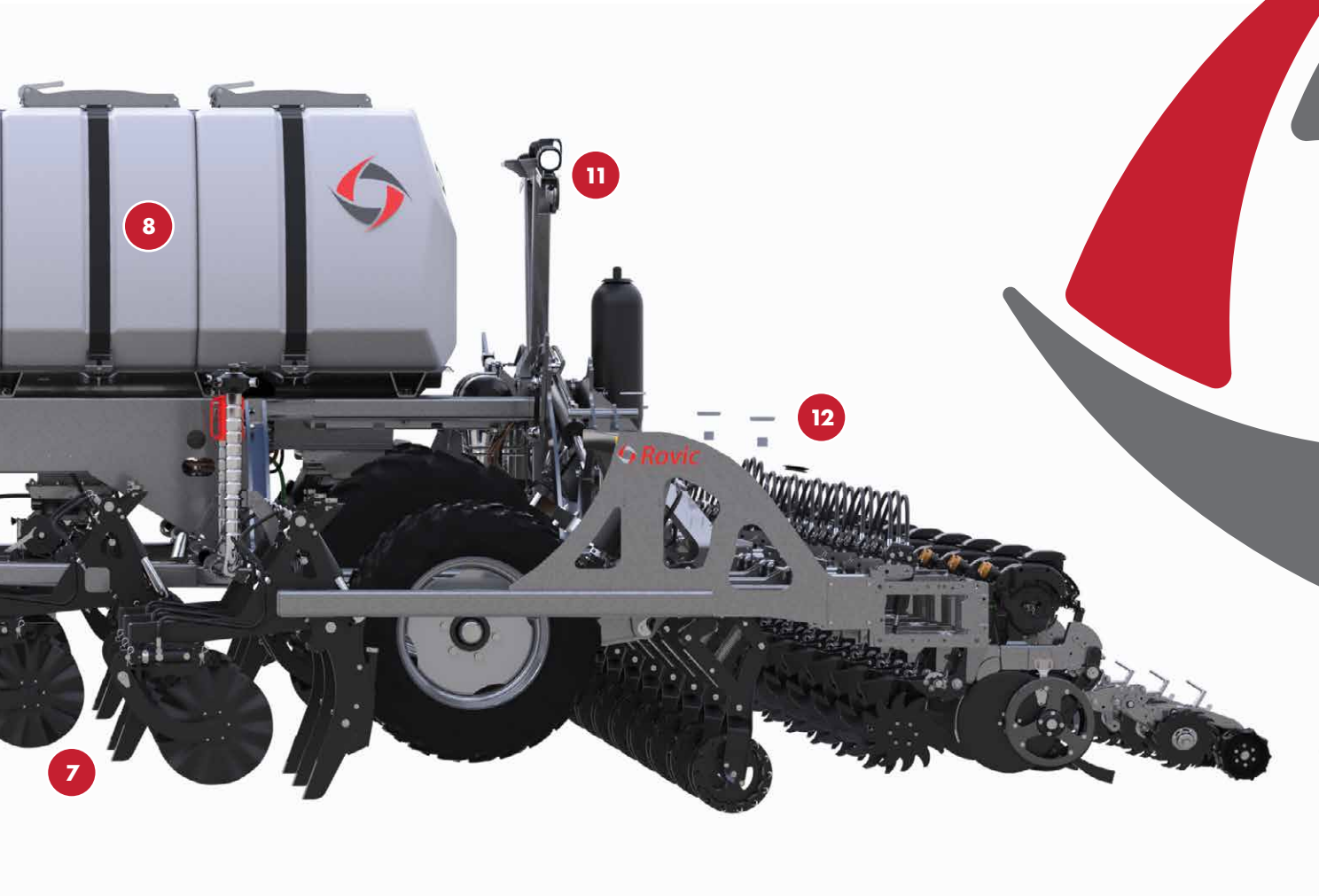
SYNCROPLANT



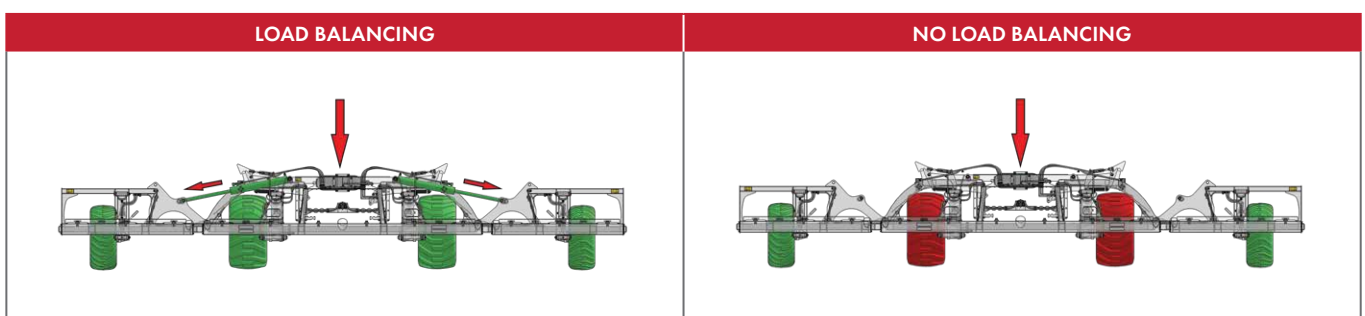
STANDARD FEATURES ON MINIMUM AND CONVENTIONAL TILL PLANTERS


- 1 BULL PULL**
Bull pull - Cat IV Articulated hitch with an insert to convert to Cat III.
- 2 DRAWBAR**
Height adjustment on drawbar hitch to set machine level in the field.
- 3 COUPLINGS**
Color coded hydraulic couplings for ease of operation
- CRARY FANS**
- 4** Large capacity Crary fans for vacuum and fertilizer, large radiator ensures that hydraulic oil temperature is kept at an optimum. Large capacity air volume fans with hydraulic oil cooling radiator for fertilizer distribution and planting vacuum generation.
- 5 METERING UNIT**
Lower maintenance cost hydraulic driven metering unit and lazer welded for precision and durability.
- 6 ACCESSORIES**
Large handwash tank with soap dispenser and toolbox.
- 7 WING STOPS**
Automatic wing locks and cylinder transport stops for safe transport.

The Planter that **MAXIMISES** savings, **MULTIPLIES** earnings and **GROWS** profits!



- 8 POLYETHYLENE TANKS**
Polyethylene tanks available in 3 or 4 separate bins with a capacity of up to 8 300ℓ.
- 9 FRAME**
Proven robust Rovic frame design.
- 10 CUTTING COULTERS**
Cutting coulters available in smooth, notched and wavy profiles to ensure cutting of material in all conditions
- 11 LIGHTS**
Work and road lights fitted as standard.
- 12 PRECISION PLANTING SEEDING UNITS**
Precision planting row units with a variety of options to best suit every farmer's needs.



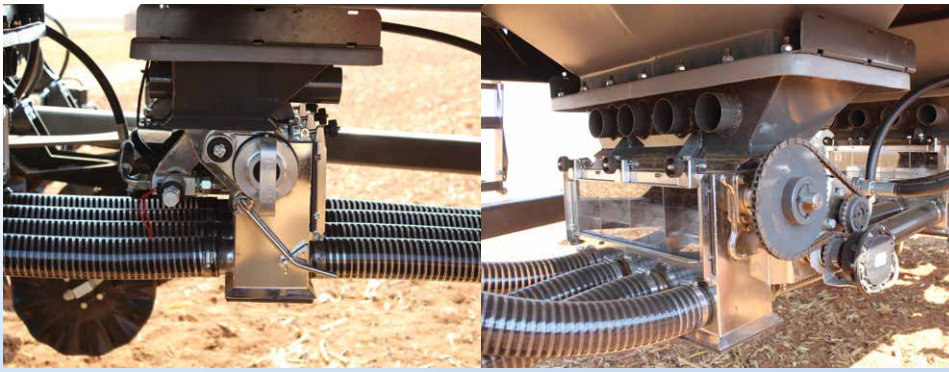


Frame construction incorporating laser cut structural sections cut from a single plate to ensure accuracy and strength.



Large capacity crary fan.

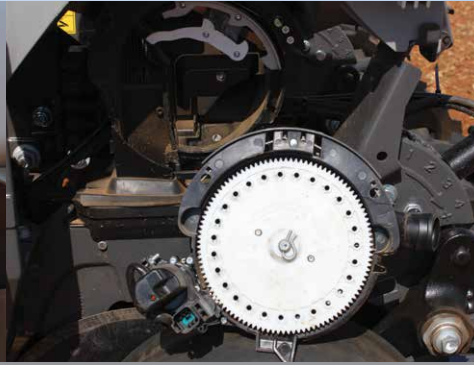




Hydraulic driven metering units.



Gauges mounted in central location to be visible from the cab.



VSet 2 with 99.5% accuracy.



Colour coded hydraulic couplings.



GENERAL CHARACTERISTICS

- The 2-Beam Planters have specially been designed for Conventional Large Grain planting like maize, soya, sorghum etc. where planting speed coupled with accuracy and minimum down time is of utmost importance.
- Planters are fitted with Non-corrosive Polyethylene Bins.
- Load balancing system fitted to the wings ensure even weight distribution across all wheelset tyres.
- Reliable high capacity Cray Fertilizer and Vacuum fans.
- LED Working lights.
- Optimal working speed: 8 - 12km/h.



INCREASE YIELDS BY 9.3%*
* T'S & C'S APPLY

CONVENTIONAL FRAME LAYOUT

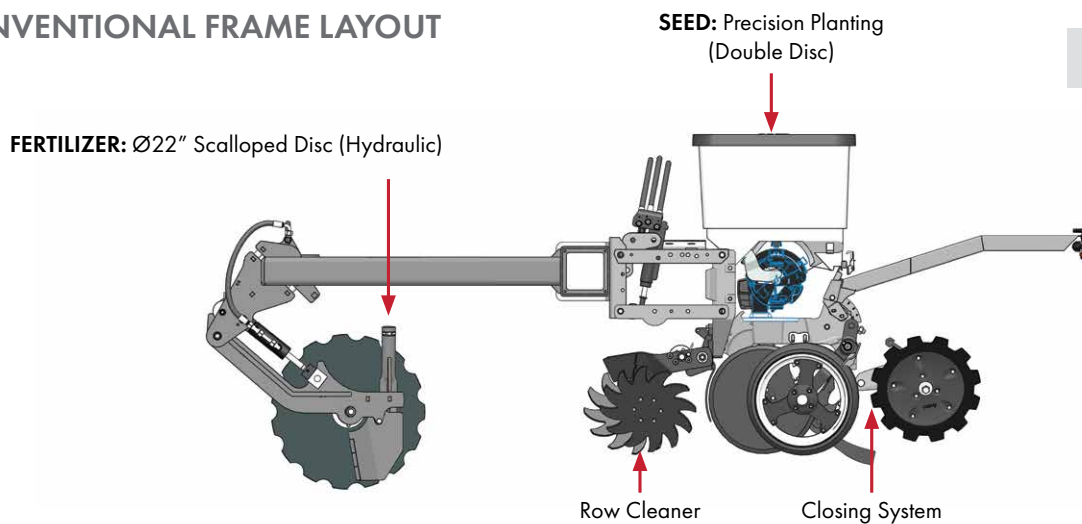


Fig. 1



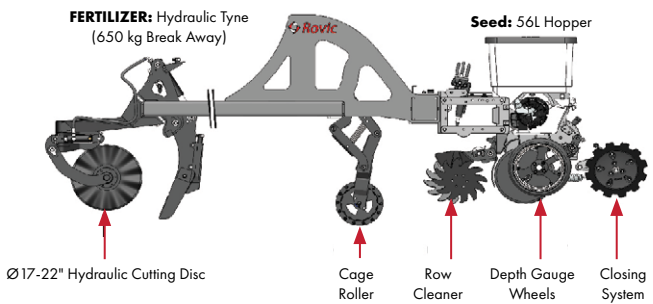
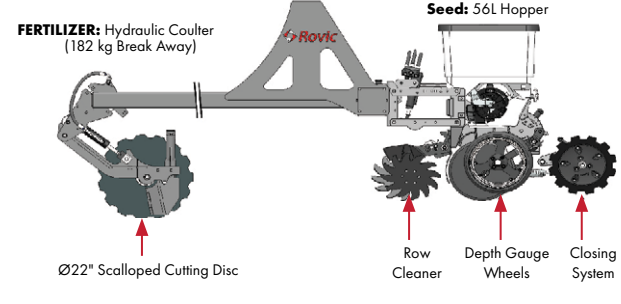
“Let us not forget that the cultivation of the earth is the most important labour of man. When tillage begins, other arts will follow. The farmers, therefore, are the founders of civilization.”

DANIEL WEBSTER, 1852

PRECISION PLANTING ROW UNIT



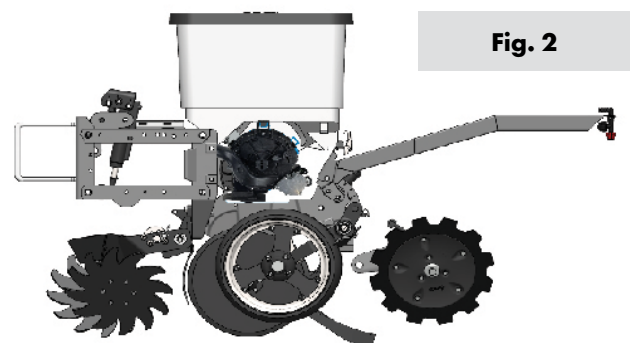
SYNCROPLANT CT MODEL	8R762CT	8R914CT	12R762CT	12R914CT	16R762CT	16R914CT
Row Unit	Precision Planting					
Monitor/Control System	Precision Planting Gen 3 20/20					
FRAME						
Type	3 Section VF					5 Section VF
Number Of Rows	8		12		16	
Spacing	762mm	914mm	762mm	914mm	762mm	914mm
Working Width	6.1m	7.32m	9.14m	10.96	12.19m	14.62m
Transport Width	3.8m	4.9m	6.3m	7.0m	6.3m	7.0m
Transport Height	3.1m	3.4m	3.7m	4.0m	5.0m	5.2m
HITCH STYLE						
	Semi Mounted CAT III/CAT IV - N		Drawbar with Articulated Bull Pull CAT 3/CAT4/CAT5 Hitch			
FLEXIBILITY						
Wings	Each wing flexes 10 degrees up and down. Wings are controlled with balanced active downforce.					
TIRES						
Centre Section (Trelleborg)	500/60 - 22.5 T404		600/50 - 22.5 Radial			
Wings (Trelleborg)	400/55 - 22.5 T404					
SEED & FERTILIZER DRIVE						
Seed Drive	Precision Planting vDrive					
Fertilizer Drive	Hydraulic Variable Rate					
FERTILIZER MONITORING						
Granular	Precision Planting Clarity (Application Rate/Row)					
Liquid	Precision Planting EMHD FlowSense (Application Rate/Row)					
SEED HOPPER						
Standard	1.6Bu (56ℓ) Unit Mounted					
Option	Central Seed System 2 270 - 2 350ℓ – Refer To Granular/Liquid Bin Options					
FERTILIZER OPENERS						
	Hydraulic Single Disc (22" Diameter) (100 - 150mm Working Depth)					
TRACTOR POWER REQUIREMENT						
	96Kw/133Hp		144Kw/200Hp		192Kw/267Hp	
HYDRAULIC FLOW REQUIREMENT						
Vacuum Fan	30ℓ/min		38ℓ/min			
Hydraulic Fertilizer Drive	15 - 25ℓ/min					
Delta Force	8ℓ/min		12ℓ/min		16ℓ/min	
Machine Raise/Lower	40 - 50ℓ/min (Only required at headlands)					
Fertilizer/Central Seed Fan	35ℓ/min		45 - 60ℓ/min			
Additional 160A Alternator	38ℓ/min (Will run in parallel with DeltaForce)					
HYDRAULIC FUNCTION SCV REQUIREMENT						
SCV 1	Fertilizer Fan + Vacuum Fan in series		Fertilizer Fan			
SCV 2	Wings/DeltaForce		Wings/Vacuum Fan			
SCV 3	Machine Raise – Lower/Tynes – Coulters Charge					
SCV 4	Hydraulic Fertilizer Drive					
SCV 5	N/A		DeltaForce			

MINIMUM TILL PLANTER	CONVENTIONAL TILL PLANTER
 <p>FERTILIZER: Hydraulic Tyne (650 kg Break Away)</p> <p>Seed: 56L Hopper</p> <p>Ø17-22" Hydraulic Cutting Disc</p> <p>Cage Roller</p> <p>Row Cleaner</p> <p>Depth Gauge Wheels</p> <p>Closing System</p>	 <p>FERTILIZER: Hydraulic Coultter (182 kg Break Away)</p> <p>Seed: 56L Hopper</p> <p>Ø22" Scalloped Cutting Disc</p> <p>Row Cleaner</p> <p>Depth Gauge Wheels</p> <p>Closing System</p>
<p>Included as standard:</p> <ul style="list-style-type: none"> • 18" Wavy cutting coultter • 150mm working depth fertilizer tyne • Cage roller • Row cleaner • Standard Precision Planting Row unit • Load balancing system fitted to wings to ensure even weight distribution • Polyethelene bins • Crary fans • LED working lights 	<p>Included as standard:</p> <ul style="list-style-type: none"> • 22" Fertilizer opener • Row cleaner • Standard Precision Planting Row unit • Load balancing system fitted to wings to ensure even weight distribution • Polyethelene bins • Crary fans • LED working lights

STANDARD ON ALL MINIMUM AND CONVENTIONAL TILL PLANTERS

- Precision planting Gen 3 20/20 seed monitoring and control
- vSet2 metering unit c/w 56l hopper or mini hopper for central seeding
- Delta force
- Wavevision seed tube
- vDrive electrical drive on metering units
- Corn plates
- Wide depth gauge wheels
- Bladed closing wheels

PRECISION PLANTING ROW UNIT



PROFITABILITY STUDIES AND CALCULATIONS

- DeltaForce vs. standard spring downforce resulted in an 8% yield improvement.
- FurrowForce, compared to a conventional two-wheel closing system, delivered a 6.9% yield increase under no-till cover crop conditions.
- Under conventional conditions, we achieved a 9.3% yield improvement.
- VSet achieved a singulation rate of 99.5% for corn, and for each 1% difference in singulation, we can expect approximately a 0.6% increase in yield.
- vDrive is more about the control you have on each row and being able to do turn compensation around curves to slow down the inside row and speed up the outside row as well as accurate swaft control to eliminate double planting.



SYNCRPLANT

MIN TILL LARGE GRAIN PLANTER

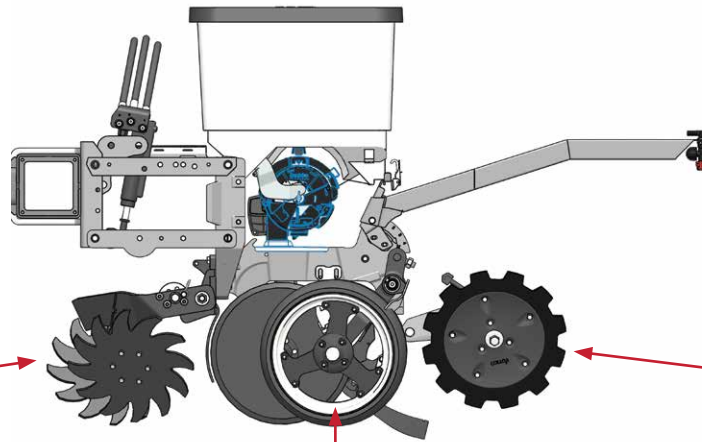


SYNCRPLANT MT MODEL	8R762MT	8R914MT	12R762MT	12R914MT	16R762MT	16R914MT
Row Unit	Precision Planting					
Monitor/Control System	Gen 3 20/20					
FRAME						
Type	3 Section VF					5 Section VF
Number Of Rows	8		12		16	
Spacing	762mm	914mm	762mm	914mm	762mm	914mm
Working Width	6.1m	7.32m	9.14m	10.96	12.19m	14.62m
Transport Width	3.8m	4.9m	6.3m	7.0m	6.3m	7.0m
Transport Height	3.1m	3.4m	3.7m	4.0m	5.0m	5.2m
HITCH STYLE						
	Semi Mounted CAT III/CAT IV - N		Drawbar with Articulated Bull Pull CAT 3/CAT4/CAT IV Hitch			
FLEXIBILITY						
Wings	Each wing flexes 10 degrees up and down. Wings are controlled with balanced active downforce.					
TIRES						
Centre Section (Trelleborg)	500/60 - 22.5 T404		600/50 - 22.5 Radial			
Wings (Trelleborg)	400/55 - 22.5 T404					
SEED & FERTILIZER DRIVE						
Seed Drive	Precision Planting vDrive					
Fertilizer Drive	Hydraulic Variable Rate					
FERTILIZER MONITORING						
Granular	Precision Planting Clarity (Application Rate/Row)					
Liquid	Precision Planting EMHD FlowSense (Application Rate/Row)					
SEED HOPPER						
Standard	1.6Bu (56ℓ) Unit Mounted					
Option	Central Seed System 2 270 - 2 350ℓ – Refer To Granular/Liquid Bin Options					
FERTILIZER OPENERS						
	Hydraulic 16mm Tyne (650Kg Break Away/150mm Working Depth)					
TRACTOR POWER REQUIREMENT						
	136Kw/187Hp		204Kw/280Hp		272Kw/370Hp	
HYDRAULIC FLOW REQUIREMENT						
Vacuum Fan	30ℓ/min		38ℓ/min			
Hydraulic Fertilizer Drive	15 - 25ℓ/min					
Delta Force	8ℓ/min		12ℓ/min		16ℓ/min	
Machine Rais /Lower	40 - 50ℓ/min (Only required at headlands)					
Fertilizer/Central Seed Fan	35ℓ/min		45 - 60ℓ/min			
Additional 160A Alternator	38ℓ/min (Will run in parallel with DeltaForce)					
HYDRAULIC FUNCTION SCV REQUIREMENT						
SCV 1	Fertilizer Fan + Vacuum Fan in series		Fertilizer Fan			
SCV 2	Wings/DeltaForce		Wings/Vacuum Fan			
SCV 3	Machine Raise – Lower/Tynes – Coulters Charge					
SCV 4	Hydraulic Fertilizer Drive					
SCV 5	N/A		DeltaForce			



SYNCHROPLANT MT MODEL	20R762MTT	24R762MT	19R457MT	25R457MT	25R508MT
Row Unit	Precision Planting				
Monitor Control System	Precision Planting Gen 3 20/20				
FRAME					
Type	5 Section VF		3 Section VF		
Number Of Rows	20	24	19	25	25
Spacing	762mm		457mm		508mm
Working Width	15.2m	18.3m	8.7m	11.4m	12.7m
Transport Width	6.3m	7.9m	6.0m	7.0m	7.6m
Transport Height	5,6	5,3	3.6m	4.5m	4.9m
HITCH STYLE					
Drawbar with Articulated Bull Pull CAT 3/CAT4/CAT5 Hitch					
FLEXIBILITY					
Wings	Each wing flexes 10 degrees up and down. Wings are controlled with balanced active downforce.				
TIRES					
Centre Section (Trelleborg)	600/50 - 22.5 Radial	400/60 - 22.5 BKT (Dual)	500/60 - 22.5 Radial	400/55 - 22.5 T404 (Dual)	
Wings (Trelleborg)	400/55 - 22.5 T404	400/60 - 22.5 BKT	400/55 - 22.5 T404		
SEED & FERTILIZER DRIVE					
Seed Drive	Precision Planting vDrive				
Fertilizer Drive	Hydraulic Variable Rate				
FERTILIZER MONITORING					
Granular	Precision Planting Clarity (Application Rate/Row)				
Liquid	Precision Planting EMHD FlowSense (Application Rate/Row)				
SEED HOPPER					
Option	1.6Bu (56ℓ)		Not Available		
Option	Central Seed System 2 270 - 2 350ℓ — Refer To Granular/Liquid Bin Options				
FERTILIZER OPENERS					
Hydraulic 16mm Tyne (650Kg Break Away/150mm Working Depth)					
TRACTOR POWER REQUIREMENT					
	340Kw/470Hp	408Kw/560Hp	323Kw/440Hp	425Kw/580Hp	
HYDRAULIC FLOW REQUIREMENT					
Vacuum Fan	38ℓ/min				
Hydraulic Fertilizer Drive	15 - 25ℓ/min				
Delta Force	20ℓ/min	24ℓ/min	19ℓ/min	25ℓ/min	
Machine Raise/Lower	40 - 50ℓ/min (Only required at headlands)				
Fertilizer/Central Seed Fan	45 - 65ℓ/min				
Additional 160A Alternator	38ℓ/min (Will run in parallel with DeltaForce)				
HYDRAULIC FUNCTION SCV REQUIREMENT					
SCV 1	Fertilizer Fan				
SCV 2	Wings/Vacuum Fan				
SCV 3	Machine Raise — Lower/Tynes — Coulters Charge				
SCV 4	Hydraulic Fertilizer Drive				
SCV 5	DeltaForce				

Fig. 3



FITTED AS STANDARD

Row Cleaner



FITTED AS STANDARD

Wide depth gauge wheels



(Ø400 x 110mm)

FITTED AS STANDARD

Rubber Bladed Closing Wheel Set



(Ø350 x 50mm)

OPTIONAL EQUIPMENT

CleanSweep



Martin Till Row Cleaner



Reveal



OPTIONAL EQUIPMENT

Narrow Depth Gauge Wheels



(Ø400 x 60mm)

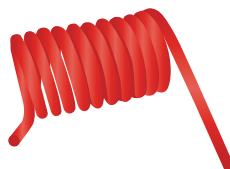
Conceal - Banded Nitrogen Placement



(Ø400 x 60mm)

OPTIONAL EQUIPMENT

InFurrow



OPTIONAL EQUIPMENT

Rubber Tapered Closing Wheel Set



(Ø350 X 50mm)

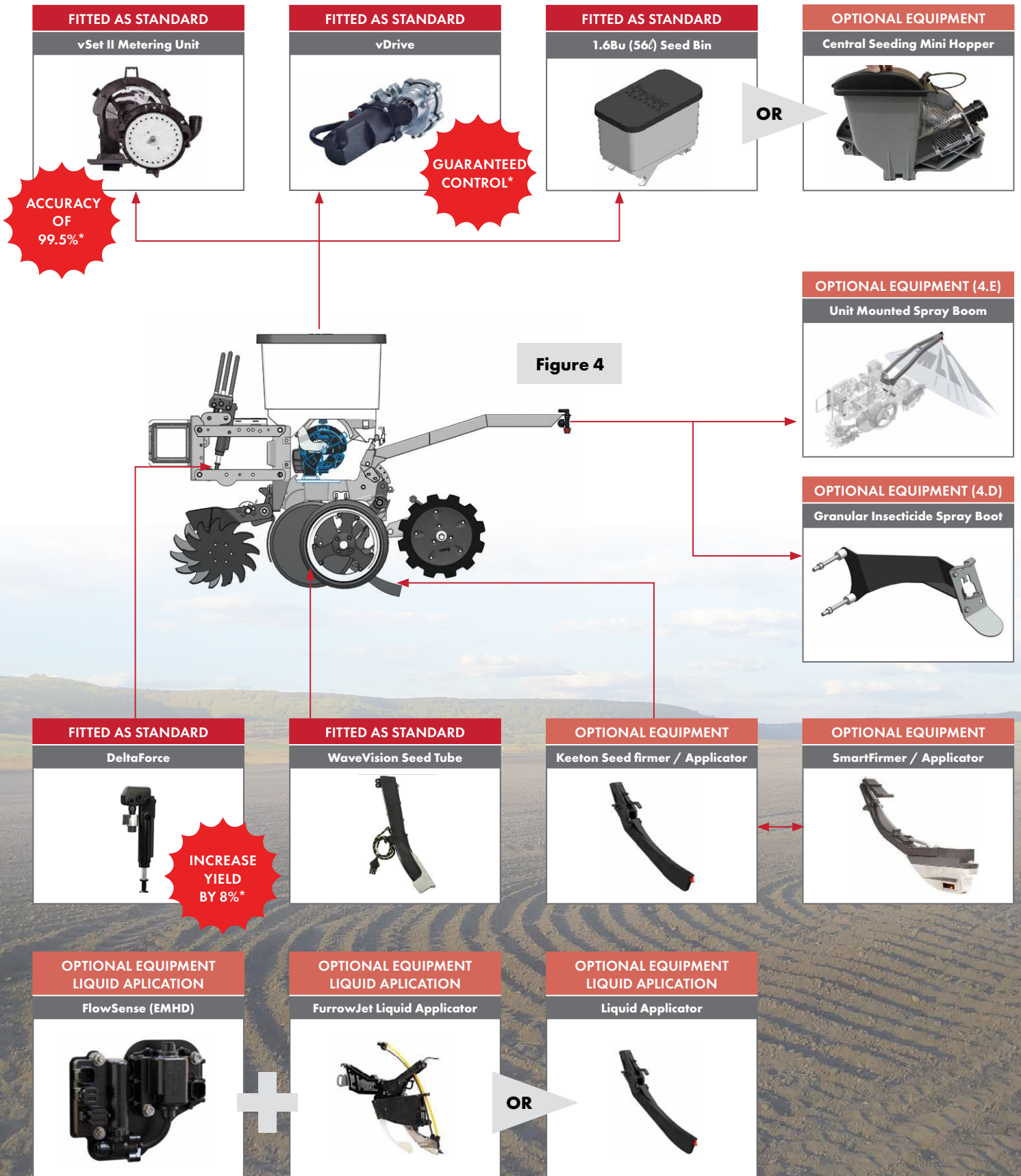
Rubber Bladed Closing Wheel Set



FurrowForce



**6.9%
HIGHER
YIELD.***

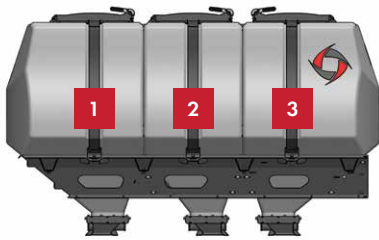


* T'S & C'S APPLY

GENERAL CHARACTERISTICS

- Polyethylene construction
- Multiple Bin partitions available
- Can be used for Liquid, Granular fertilizer or Central seeding

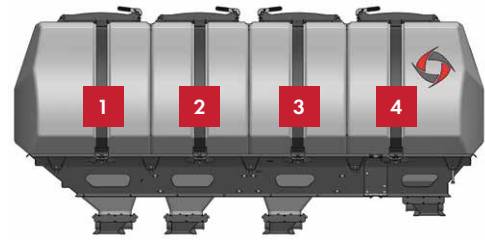
OPTION 1 – 6 500ℓ STANDARD DRAWBAR



1 = 2 350ℓ Liquid or Granular
2 = 1 800ℓ Liquid or Granular
3 = 2 350ℓ Liquid or Granular

Fig. 5

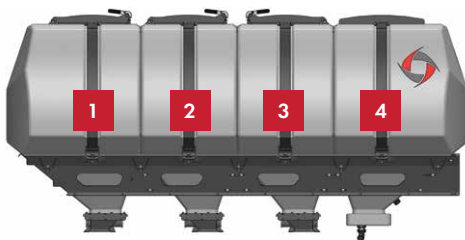
OPTION 2 – 8 200ℓ STANDARD DRAWBAR



1 = 2 350ℓ Liquid or Granular
2 = 1 800ℓ Liquid or Granular
3 = 1 800ℓ Liquid or Granular
4 = 2 270ℓ Liquid or Central Seed Only

Fig. 6

OPTION 3 – 8 300ℓ EXTENDED DRAWBAR



1 = 2 350ℓ Liquid or Granular
2 = 1 800ℓ Liquid or Granular
3 = 1 800ℓ Liquid or Granular
4 = 2 350ℓ Liquid or Granular

Fig. 7

OPTIONAL EQUIPMENT – 400ℓ GRANULAR INSECTICIDE*



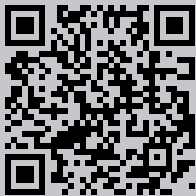
* 3CR12 Bin for granular products only.

Fig. 8

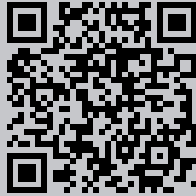


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