

Serto

HORSCH

Farming with passion

Serto SC
Serto SW

A NEW SEED DRILL FOR LARGE FARMS



Serto 10/12 SC

HORSCH presented the **Serto SC** – a compact seed drill with 10 and 12 metre working widths for large farms. Its characteristic features are an all-over tyre packer combined with a heavy double-disc seed coulters. Similar to the well-proven Pronto system two seed coulters run behind every tyre with a row spacing of 16.6 cm. To guarantee an even placement, the Serto is equipped with a packer for levelling and consolidation.

The new **HORSCH PowerDisc coulters** is ideal for difficult conditions and guarantees a safe seed placement even if the seedbed is rough. Due to its design and the large bearings, it is very stable and durable. The development was influenced by the experiences of the Maestro single grain technology. The Serto has a hopper capacity of 6 000 litres partitioned in a ratio of 60:40. Thus, either 6 000 litre of seed or a combination of 3 000 litre of seed and 3 000 litres of fertiliser can be applied. A hopper with a capacity of 300 litres is available for micro-granular compounds as a third component. Wavy discs in the area of the tractor tracks loosen the tracks effectively. The machine folds to a transport width of 3 m by simply pushing a button.

Due to the all-over packer the horsepower requirement is low also on light soils – this saves fuel. Due to the small seed hopper all components are easily accessible and the farmer has a perfect view of the machine and the field.



- 1 HORSCH PowerDisc coulters
- 2 Large transport tyres
- 3 Transport position



Serto SW

To guarantee higher efficiency the **Serto 12 SW** is available with a large-capacity seed wagon (17 000 l). The triple hopper allows for contact fertilisation or for the application of mixtures. The Serto 12 SW, too, relies on the PowerDisc coulters for working without any preliminary tools at a high coulters pressure of up to 150 kg. Due to the hydraulic weight transfer the weight of the seed wagon is automatically transferred to the side wings and thus homogeneously to all seed coulters. Thus, despite the seed wagon, there is the same pressure on every single seed coulters.

The Serto concept with the all-over packer guarantees a low horse power requirement similar to the Serto SC. Track eradicator discs level the tracks of the seed wagon, thus guaranteeing the same conditions for all PowerDisc coulters. This allows for a homogenous placement depth over the whole working width and in combination with the hydraulic weight transfer set the stage for a homogenous emergence.



- 1** All-over packer for low horse power requirement
- 2** Hydraulic weight transfer from the seed wagon to all PowerDisc coulters
- 3** Seed wagon SW 17 000 for up to 3 components (6 500 l/4 000 l/6 500 l) with maximum efficiency

ELECTRONICS INNOVATIVE AND DIGITAL SOLUTIONS



HORSCH Intelligence

The future machines think actively and HORSCH Intelligence makes it possible. With intelligent software and electronic solutions HORSCH seed drills work even more efficiently and help you to save both money and increase confidence.

HORSCH seed drill are always equipped with the ISOBUS standard. This does not only mean that every HORSCH machine can be controlled with any ISOBUS terminal. Additionally, SectionControl, VariableRate as well as the TaskController for data processing is a standard equipment for every HORSCH seed drill.



HORSCH Terminal



Touch 1200 Terminal



Touch 800 Terminal



TaskController

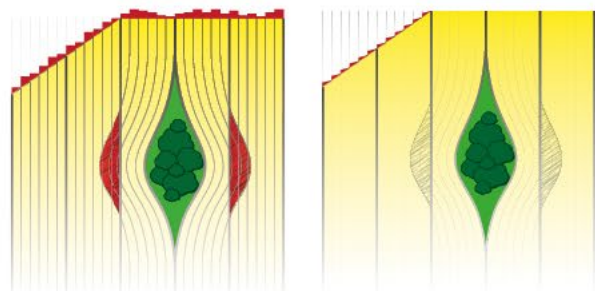
SectionControl

ISOBUS SectionControl allows for switching off individual sections automatically via GPS. The current position is determined, thus at field boundaries, on the headlands, in case of overlaps or in predefined areas individual sections (half-widths) or the whole working width is shut-off automatically.

When using a HORSCH Touch 800/1200 Terminal you can additionally use the MultiControl function. This function independently switches on and off the application of fertiliser and seed. Without MultiControl either fertiliser or seed can be switched on and off at the right time.

Advantages of SectionControl:

- Saving seed and fertiliser as overlaps on the headlands and at field boundaries are reduced to a minimum.
- Constant working quality on the whole field
- Productivity increase under various conditions (day and night, fog)
- Reduced stress for the driver
- Protection of the environment



WITHOUT SectionControl

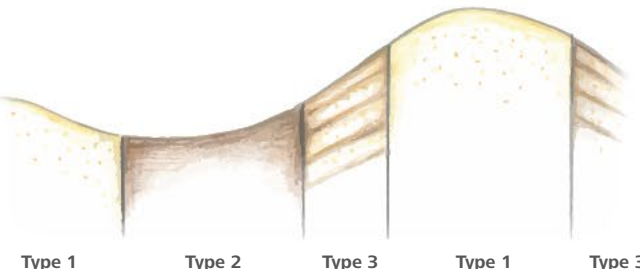
WITH SectionControl

VariableRate

ISOBUS VariableRate allows for a site-specific application of seed and fertiliser. Thus, with an appropriate application card for every section within a field the optimum quantity of fertiliser and seed can be applied. When using a HORSCH Touch 800/1200 Terminals you can additionally use the MultiControl function. This function allows for independently varying the amount of fertiliser and seed. Without MultiControl the application rate of either fertiliser or seed can be varied.

Advantages of VariableRate:

- Saving of seed and fertiliser as only the necessary quantity is applied
- Regular emergence due to optimum number of grains/m²
- Simple and quick documentation
 - The different application rates are documented automatically.
 - Uncomplicated transmission to the acreage index
- Reduced stress for the driver
 - The optimum application rate is automatically used on the fields.
- Protection of the environment
 - Only the necessary amount of fertiliser is applied.



VariableRate takes different types of soil into account.

TaskController

The ISOBUS TaskController transfers data from the PC to the terminal in an uncomplicated way. It is also possible to transfer application rates, sown area and other data that were recorded while sowing from the terminal to the PC. This facilitates the administration of the acreage index. Via the integrated order management system orders can be created and executed.

Advantages of the TaskController:

- Uncomplicated data exchange
- Automatic documentation
- Structured working due to data management
- Simple administration of the acreage index
- Simple accounting and proof for contract services

Soil quality	Seed	Fertiliser
high	300 grains/m ²	2.8 dt/ha PK
medium high	270 grains/m ²	2.5 dt/ha PK
medium low	250 grains/m ²	2.3 dt/ha PK
low	220 grains/m ²	2.0 dt/ha PK

VariableRate
Seed OR fertiliser

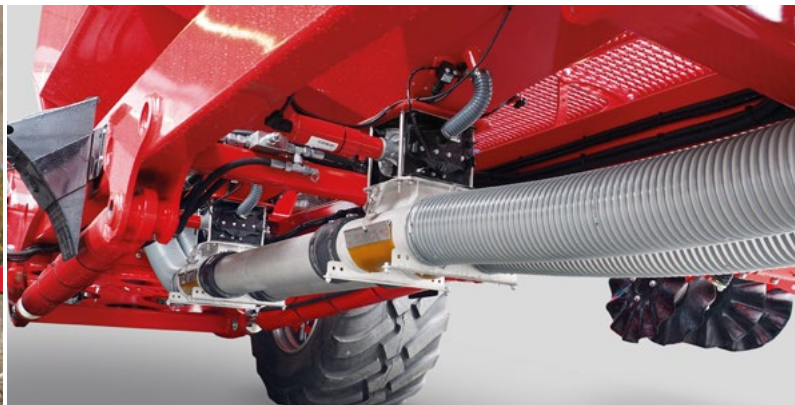
VariableRate with MultiControl
Seed AND fertiliser

VariableRate allows for applying adapted quantities of fertiliser and seed on the basis of application cards.

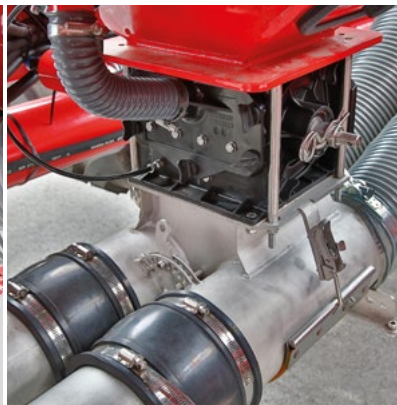
EQUIPMENT



Divided pressurised hopper in the ratio 60 : 40 (3 600 l front & 2 400 l rear)



Double hopper version Grain & Fertilizer



Mechanical half-width shut-off Serto SC
Option: electrical



All-over tyre packer



Chassis is only used for transport



Compact transport mounting



Track eradicator discs Serto SC



Track eradicator discs Serto SW



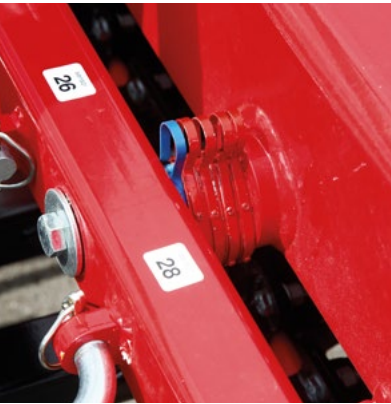
Adjustable drawbar linkage



PowerDisc with parallelogram suspension



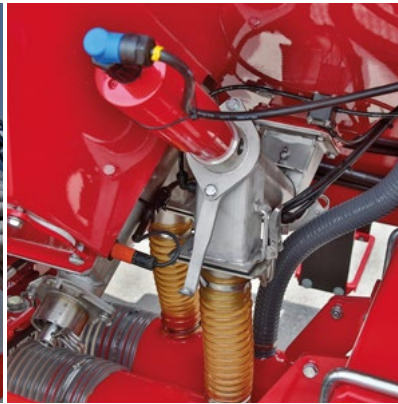
Seed flow control



Sowing depth adjustment via spacer clips



Serto SW distribution towers



Micro-granular compound with
auger metering device



Serto SW folded



Coulter pressure adjustment
hydraulically infinitely adjustable



Hydraulic weight transfer

TECHNICAL SPECIFICATIONS



HORSCH Serto SC	10 SC	12 SC
Working width (m)	10.00	12.00
Transport width (m)	3.00	3.00
Transport height (m)	4.00	4.00
Length (m)	8.45	8.45
Weight (kg)*	11 000	12 100
Capacity double hopper (l)	6 000 (60:40)	6 000 (60:40)
Feed opening double hopper (m)	1.68x0.66	1.68x0.66
Filling height double hopper (m)	2.55	2.55
Number of seed coulters	60	72
Coulter pressure seed coulters (kg)	5–150	5–150
Row spacing (cm)	16.70	16.70
Tyre packer size	7.50–15 AS	7.50–15 AS
Tyre packer Ø (cm)	78	78
Number of packer tyres	30	36
Tyres seed waggon	650/55–26.5	650/55–26.5
Working speed (km/h)	10–20	10–20
Power demand (kW/HP)	200/272	220/300
Double-acting control devices	1 (lifting, folding) + 1 (hydr. fan, coulter pressure)	
Depressurised return flow (max 5 bar)	1	1
Oil quantity hydr. fan (l/min)	min. 60	min. 60
Adj. drawbar linkage (Ring hitch)	Cat. IV – Ø 58 mm or Cat. V – Ø 79 mm	Cat. IV – Ø 58 mm or Cat. V – Ø 79 mm
Implement mounting ball head	K 80	K 80

* Weight of the machines with minimum equipment

HORSCH Serto SW	12 SW
Working width (m)	12.00
Transport width (m)	5.75
Transport height Serto 12 SW (m)	5.02
Transport height SW 17003 SD (m)	3.62
Length without/with SW 17003 SD (m)	5.79/13.51
Weight without/with SW 17003 SD (kg)*	10 470/15 670
Hopper capacity SW 17003 SD (3 components)	17 000 l (6 500 l/4 000 l/6 500 l)
Feed opening double hopper (m)	per 0.60x0.90
Filling height (m)	3.62
Number of seed coulters	72
Coulter pressure seed coulters (kg)	5–150
Row spacing (cm)	16.60
Tyre packer size	7.50–15 AS
Tyre packer Ø (cm)	78
Number of packer tyres	36
Working speed (km/h)	10–20
Power demand (kW/HP)	300–400/410–550
Double-acting control devices	3
Depressurised return flow (max 5 bar)	1
Oil quantity hydr. fan (l/min)	70–90
Adj. drawbar linkage (Ring hitch)	Hitch Ø 60–70 mm
Implement mounting ball head	K 80

* Weight of the machines with minimum equipment





[horsch.com](https://www.horsch.com)

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