

# Spirit

High precision - perfect emergence

VÄDERSTAD





# Where farming starts

60 years of facing agronomic challenges together with farmers all over the world makes us young in the business. But that has never stopped us from pushing the boundaries of agriculture - and it never will.

Finding new ways forward in an everchanging business, coming up with new innovations and presenting new solutions that simplify work and improve results for farmers is in our DNA.

That is what Väderstad always has done, and always will do.  
Finding new solutions for a better tomorrow.



# High precision seed drilling

The pneumatic universal seed drill; Spirit carries out levelling, seedbed preparation, reconsolidation, seeding and pressing in one pass. It is known to provide great precision at high working speeds on the field.





# Exact seed placement and a perfect emergence

Spirit is designed with powerful front tools, followed by large OffSet packer wheels. This ensures a level and firm seedbed prior to seed placement. At the back of the machine, individual mounted double disc seed coulters give the seeds great conditions for growth. Thanks to its individual row depth control, the seeds are always placed at the intended seeding depth and you benefit from an even emergence over the entire field.



## High capacity - excellent results

Every component of Spirit is designed to deliver great seeding results at high working speed. The large seed hopper, high capacity metering system, large OffSet packer wheels as well as the generous diameter of the seed coulters are all examples of this. You benefit from a high seeding capacity, making it possible to cover more ground in shorter time.

## Designed for performance

Spirit is built as a heavy-duty machine with a compact design. Its strong construction adds durability and ensures great results during a long working life. The compact design enhances the manoeuvrability and its ability to keep the precision in uneven field conditions.

## 125mm row spacing for maximum yield

### 1 Competitiveness

A narrow row spacing provides the crop with considerably higher competitiveness against weeds. This is especially important as more herbicide resistant weeds are on the increase. Research shows that 125mm row spacing results in 20% less weeds than 150mm.

### 2 Population distribution

125mm row spacing gives a better population distribution, allowing for a larger spacing between the seeds in the row. The fungi pressure is also reduced.



### Contour following for even results

The great field contour following ability of Spirit is a result of its highly adaptable wing sections following the ground, as well as individual suspended front tool discs and seed coulters. This makes Spirit able to provide same even conditions over the entire field.

### Headland management increases precision

To optimise the operations at the headland, Spirit R is equipped with automatic headland sequence control. The system automatically lifts and lowers the front tools and seed coulters in sequence. When entering the field the system lowers the front tool into the soil before the seed coulters.

Even crop establishment is achieved by eliminating double drilling or overworked headlands.

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### Canopy closure

Since narrow rows close faster, the evaporation is reduced at a time when the access to moisture is most crucial.



# Adapts to the field

The heart of Spirit is its responsive seed couler system. It has an excellent ability to adapt to any irregularities on the field, thereby keeping the seeding depth constant at all times. The result is an impressive seed placement and an even emergence over the entire field.







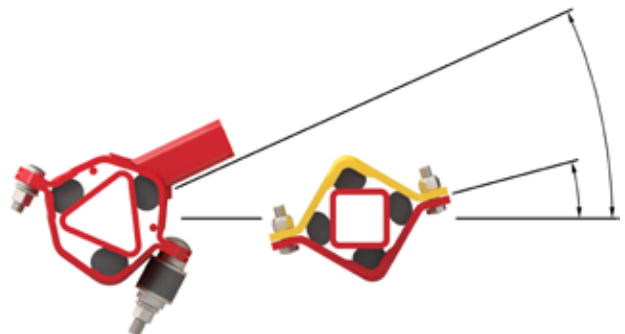
# Designed for consistent seeding depth

The Spirit seed coulters consist of double seed discs connected to a large depth keeping press wheel. Each seed coulters is individually mounted on a rubber suspended arm, and the seeding depth is set by applying hydraulic pressure. This system allows for excellent contour following with great results at high working speed.



## TriForce for excellent contouring

The three bar rubber suspension TriForce is Väderstad's unique coulters suspension. TriForce doubles the coulters' contour movement compared to a conventional four bar rubber suspension. This gives perfect seed placement on uneven ground, such as wheel tracks or undulating fields.



# Seeding depth as its top priority

A seed planted at the correct depth will emerge at the right time and get a competitive edge against both pests and weeds. Knowing this, every part of the Spirit seed couler is constructed with precision in mind.



## Uneven ground

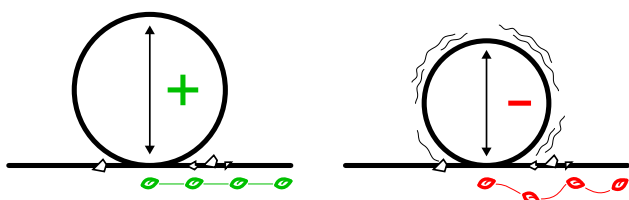
Having each seed couler mounted on its own arm allows the seed coulers to respond to any irregularities on the field. The working depth is constantly maintained over the entire working width.

## Varying soil types

To adapt to varying soil conditions, the couler pressure can be altered from the cab on the move. The result is a consistent seed depth over the entire field, despite variations in soil types. The wide press wheel has a great ability to stay on top of the field surface, reducing the need to adapt pressure.

## Hilly terrain

To ensure an even seed depth in hilly terrain, Spirit is equipped with active seed couler pressure. The machine immediately registers if it is located on a crest or a trough. If so, automatic valves directly compensate for an increased or decreased pressure. The seed couler pressure is kept at a constant pre-set value, irrespective of which working angle the seed coulers are in, relative to the rest of the machine.



## Size minimises vibrations

The generous diameter of the seed discs and couler press wheel results in a smooth ride with minimal impacts from vibrations, further increasing pressure.



## Versatile press wheel

The width of the couler press wheel enhances its ability to stay on top of the field surface, irrespective of soil condition. The soft tyre profile widens the contact surface to the soil, further increasing the spectra of usage and ability to close the seed slot.

# Impressive seed placement

A perfect seed placement is all about details.  
By leaving nothing to chance, Spirit ensures that  
each seed is granted great conditions for growth.  
This maximises the potential of each seed.





# Seeding precision in depth

The Spirit seed coultter sets a great focus on details impacting on seeding precision. The heart of the seed coultter is the seed discs and press wheel working together for best results.



## OffSet seed discs

The Spirit seed discs are mounted in an OffSet position. This reduces the draught force required for opening the seed slot. Due to the OffSet mounting, the seed discs keep their position over time, maximising precision while reducing maintenance.

## Precise seed delivery

The seeds are released in front of the seed discs centre. The rotation of the seed disc helps place the seed in the bottom of the seed slot, enabling immediate access to moisture. This system does not require a seed firmer, reducing wearing part costs.

## Swedish quality

The Spirit seed discs are built from special hardened V-55 Swedish steel. This carefully selected raw material delivers a robust construction, excellent performance and extremely long working life in the field.

All Väderstad discs come with a lifetime warranty. If a disc should fail during its lifetime, Väderstad will replace it at no cost.



## Seed disc shape matters



### Great depth keeping

The sharp attack angle of the seed discs reduce the pressure needed to create the seed slot at desired depth. The depth keeping ability of the seed drill is multiplied as a result.



### Narrow seed slot

The disc shape in combination with OffSet creates a narrow seed slot with minimal disruption to the soil. This improves the seed distribution in the row, as well as making it easier to shut the seed slot.



### Higher throughflow

Spirit has a narrow seed coulter due to the seed disc design. This allows more material to pass through the machine, improving performance while drilling in crop residues.

## Clean wheel keeps seed depth

The tyre in combination with rear mounted scrapers keep the wheel clean. This prevents soil from sticking to the wheel which could alter the seed depth.



# Front tools without compromises

When seeding with precision, no compromises can be made on the front tool. To effectively prepare the seedbed, Spirit is equipped with heavy-duty front tools, equal to a compact disc cultivator. It is able to handle crop residues as well as rough conditions on the field.







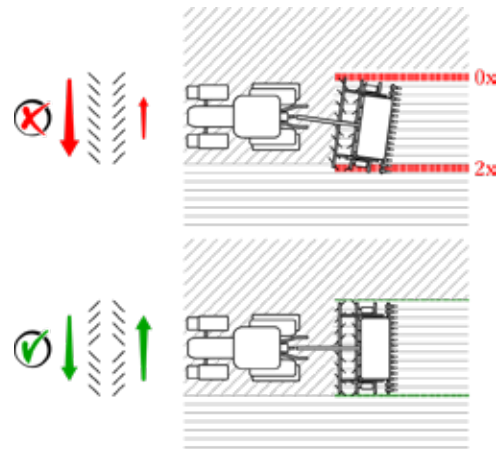
# Full-scale seedbed preparation

Spirit is equipped with powerful front tools, adjusted from the cab on the move. If an additional levelling is required an individually adjustable CrossBoard can be mounted ahead of the disc tool.

## X-disc – To reach full potential

To gain full control, it is very important that the seed drill does not alter from its straight track behind the tractor, something that is further essential in hilly conditions. The x-disc setup of the front tool keeps the machine straight behind the tractor.

The x-disc is a natural component for modern farming and a crucial factor to reach the full potential of a GPS or RTK-system.



## One arm for each disc

Each disc in the front tool is mounted on its individual suspended disc arm. This secures perfect contour following, to grant the same conditions for each seed.

The open design provides a high throughflow, enabling drilling in heavy crop residues. All bearings are well protected on the back of the disc.

## Always at correct angle

Since the front tool is mounted on a parallel linkage, an even working angle is guaranteed irrespective of working depth. Additionally, the conical disc shape ensures the same angle, no matter wear or working depth.



# Conical shape

The shape of the front tool discs provides agronomical advantages for the coming seed growth.



## Crumbling and mixing

The conical shape of the discs create a high degree of fine tilth, important for the seed-to-soil contact. The shape of the discs provides intensive mixing, preventing dry soil from being turned into the seeding horizon.

## No sideway compaction

The straight attack angle of a conical disc leaves an open cultivation bottom free of compactions. This gives a great environment for root development with good moisture transport.

## Presses down stones

A conical disc can not pick up stones from the field surface. This minimises disturbance for the seed coulters, ensuring seeding precision.



# The packer wheels create an even seedbed

To ensure a firm seedbed prior to seed placement, large packer wheels consolidate the soil between the front tool and seed coulters. This offers great advantages in lighter soil, as well as in fields where the soil is loose as an effect of a deep cultivation or a cultivation with insufficient reconsolidation.

## Wheel designed for performance

The large diameter of the packer wheels provide a calm ride at high speed. Because of low rolling resistance and a wheel pattern designed for minimised bulldozing, this also reduces the fuel consumption.

The width of the packer wheels ensure level results over the entire working width. The packer wheels are mounted individually, enabling easy access for maintenance.





## Offset provide benefits

Offset means that every second packer wheel is displaced backwards on a separate axle. This solution both improves the agronomy and farm economy.

### Lower draught requirement

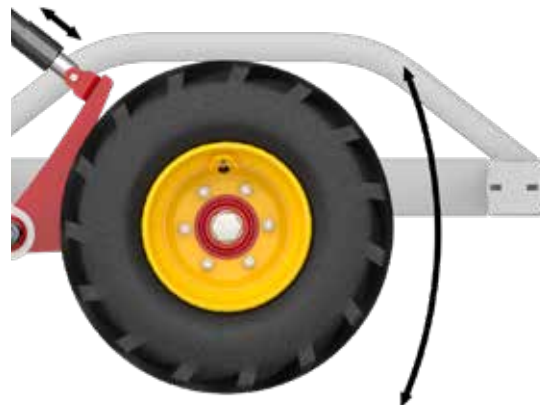
According to studies, Offset minimises bulldozing and lowers the draught requirement by 25%.

### Depth precision

The large Offset wheels provide a calm ride, leading to lower vibrations. This results in higher depth precision.

### Great carrying capacity

Having two separated wheel axles increases the contact surface to the soil, providing great carrying capacity.



## Double-acting middle packer

To ensure the same conditions for each seed, Spirit is equipped with a hydraulically adjustable middle packer that runs between the tractor wheels.

You benefit from an even emergence over the entire working width. During transport the middle packer provide stability and increased safety on uneven roads.

# Combi-drilling secures success

Nutrient placement during drilling provides a fast and reliable fertilisation effect. Since the fertiliser is placed in moist soil there is less dependence on rain, while placement also gives high yields and better nutrient use efficiency.

To match different farming needs, the combi-version Spirit is available with three different fertilising methods – FIX, Nordic or InLine.



*The FIX version places the fertiliser in 5cm wide strips at 125mm row spacing, in front of every seed row.*

## FIX

The FIX-version places fertiliser in 5cm wide strips at 125mm row spacing, in front of every seed row. The fertiliser depth can be adjusted from the cab according to the soil condition.

Having the fertiliser coulters integrated in the front tool lowers the draught requirement, maintains penetration force and reduces wear part cost compared to having a separated fertiliser axle. The narrow fertiliser row spacing makes it insensitive to curves or shifting field terrain.

## InLine

The InLine-version places a low fertiliser rate together with the seed in the seed furrow, providing the plant quick nutrient uptake. By separating the seed and fertiliser transport, these two distribution systems do not interfere with each other. This enables separate high accuracy blockage monitoring.

To enable higher rates of nitrogen combined with a starter fertiliser, the InLine system can be utilized via BioDrill on a Spirit 400-600C equipped with the FIX- or Nordic system.



*The Nordic version places the fertiliser at 250mm row spacing between two rows of seed, allowing full moisture access.*

## Nordic

The Nordic-version places fertiliser between every second seed row at a row spacing of 250mm. This means that the fertiliser ends up 6.25cm from each row of seed.

It has aggressive disc fertiliser coulters that place fertiliser with a very high coulters pressure. This is a benefit in conventional tillage spring drilling in dry conditions, where working directly below the seedbed can cause the seed slot to dry out.



*The InLine version places the fertiliser in a separate outlet together with seeds in the seed coulters.*



## BioDrill - Multiple products in one pass

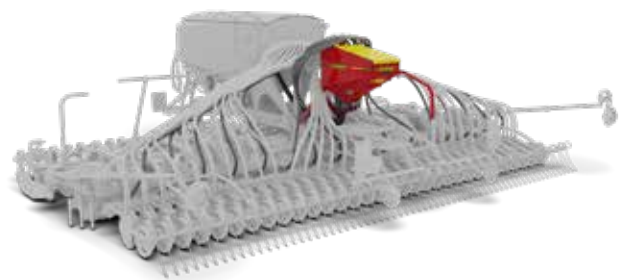
By equipping Spirit with the mountable small seeder BioDrill, a small-seeded crop such as cover crops or ley, can be drilled together with the main crop. The spreader plates distribute the seed evenly in front of the drill

aggregates, where it is covered by the flow of soil around the seed discs and by the press wheel. BioDrill provides an accurate seeding at the same time as saving passes on the field.



### **BioDrill 360**

Spirit 400C/S and Spirit 600-900C/S can be fitted with BioDrill 360. The pneumatic BioDrill 360 is equipped with electric Fenix seed metering system, allowing for uniform drilling of small-seeded crops with precision down to a seed rate of 1kg per hectare.



### **Exact seeding result**

BioDrill 360 uses the powerful hydraulic fan from the seed drill allowing for large quantities of seed to be uniformly distributed over a wide working width. The powerful fan ensures the seeding result remains constant in all field conditions.

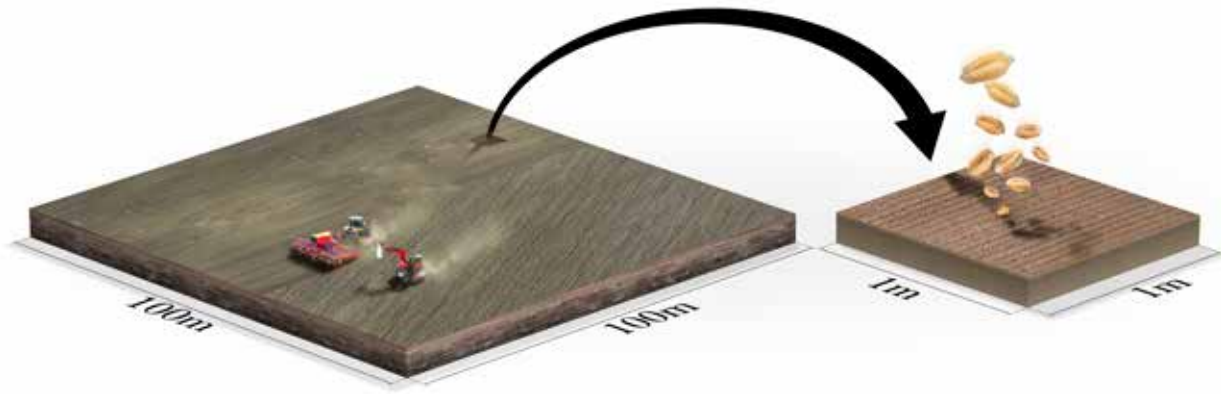
# SeedEye



## Precision and performance in focus

The unique Väderstad SeedEye sensors provide an insight with precision down to each individual square metre within the field. With access to exact data, you are able to make informed decisions for increased efficiency and maximised results in the crop production.





## Seeds per square metre instead of kilo per hectare

Using Väderstad SeedEye, the desired seed rate is set in terms of number of seeds per square metre. In the field, sensors accurately records the number of seeds passing through each individual seed tube. By combining this information with driving speed data from the seed drill ground radar, the output is automatically adjusted to maintain the selected seed rate.

## No calibration required. Maximised time in the field.

SeedEye automatically adjusts the seed rate on the move so there is no need for calibration. This increases the ease-of-use as well as maximising field efficiency. In the cab, you have full control of the seeding operation via the iPad based control system Väderstad E-Control.



## SeedEye ensures great results

Increasing access to information is the cornerstone of smarter farming. Since SeedEye registers each individual seed and fertiliser passing through the tubes, the seeding is visualised in real time. If a deviation should occur, SeedEye gives an immediate warning so that any impact on the drilling can be quickly remedied.

## Take full control of the seeding

Väderstad SeedEye puts the control in your hands giving you the opportunity to fully optimise the result on the field.

By measuring seeds per square metre, instead of weight per hectare, the seeding result is no longer affected by variations in different seed bags or seed types. This increases precision and maximises seeding performance.

Working with ISOBUS Task Controller, a variable seed rate and sectional shut off is also possible.

# Spirit R 300S

Spirit R 300S has all the benefits of a small seed drill, while taking advantage of the innovative technology and high precision from the larger models. You benefit from high capacity, precision, user-friendliness and reliability on the field.



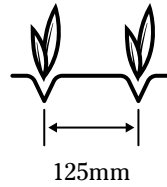
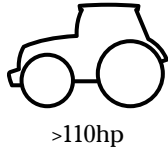
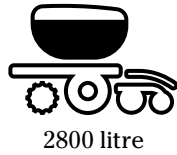
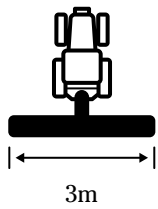
Spirit R 300S is a pneumatic seed drill, available with 3 metre working width.

### **Next generation precision metering**

Spirit R is equipped with the user-friendly and easily accessible metering system Fenix III. It is able to handle seed rates down to 1kg per hectare, while also enabling high doses, never limiting capacity. One important feature of Fenix III is the soft rotor that seals the system and lowers the air requirement, in turn saving diesel. Fenix III achieves great precision which leads to an even emergence.

### **Large, easy to fill seed hopper**

The 2800 litre plastic seed hopper is designed to provide a low filling height with large opening. The working platform is positioned on the side of the seed hopper for easy access when filling. The high positioned integrated fan reduces dust intake and increases drilling precision.



### Front tools



System Disc Aggressive



CrossBoard Heavy System Disc Aggressive

# High technology - agile format



*Seed is metered by two Fenix III units, each metering one half of the machine, this enables half machine shut-off from the cab.*



*The pivot packer option consolidates the soil between the tractor wheels enabling each seed to have the same conditions for germination.*

# Spirit 400C/S

Spirit 400C/S has a heavy-duty frame with a long working life. The high precision metering and large seed hopper provide an impressive result with less downtime on the field.



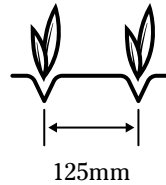
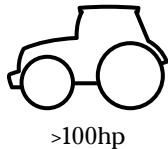
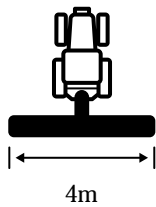
Spirit 400 is a 4 metre wide pneumatic seed drill, available either as the seed-only version Spirit 400S or as the combi version Spirit 400C.

## **High precision seed and fertiliser metering**

The metering system Fenix II, combines high precision metering with great capacity. The combi version Spirit 400C meters out both the seed and the fertiliser via two separate Fenix II metering systems. Fenix II is driven by a heavy-duty electric motor enabling Spirit 400C to meter up to 500kg fertiliser per hectare at 15km/h. Due to the high location of the integrated fan, the dust intake is minimised, increasing drilling accuracy.

## **Large hopper capacity**

To minimise downtime in the field, Spirit's hopper capacity is 3740 litre for the seed-only version and 5000 litre for the combi version. The hopper is very easy to fill due to its large opening with a roll-up cover operated from the ground.



Front tools  
Spirit 400C FIX  
Spirit 400C Nordic



FIX - Combi models



Nordic - Combi models

# Precision and reliability



Front tools  
Spirit 400S  
Spirit 400C InLine



CrossBoard Heavy



System Disc Aggressive



CrossBoard Heavy  
System Disc Aggressive



*With an open machine design, you benefit from good access to all components throughout the machine.*



*Spirit 400C/S utilises the iPad based control system E-Control to monitor and control the seeding operation.*

# Spirit 600-900S

Spirit 600-900S is a universal seed drill for high capacity drilling in conventional and minimum tillage. It is equipped with innovative solutions that increase the precision and simplifies the operations at the farm.



The pneumatic seed drill Spirit 600-900S is a seed-only version available with 6, 8 or 9 metre working width.

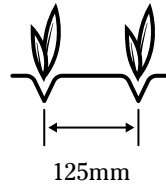
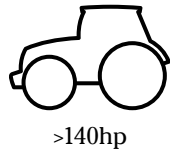
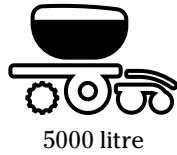
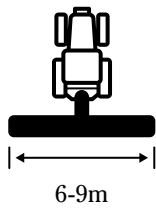
## **High capacity seed metering**

Spirit 600-900S is equipped with two Fenix II metering systems that provide constant and reliable seed metering. The strong motor permits high seed rates at high speed. Due to the high location of the integrated fan, the dust intake is minimised, increasing drilling accuracy.

## **Large hopper with great access**

To minimise downtime in the field, Spirit has a high capacity 5000 litre seed hopper. The hopper is very easy to fill due to its large opening with a roll-up cover operated from the ground.

With two platforms and an open machine design, you benefit from good access to all components throughout the machine.



Front tools



CrossBoard Heavy



System Disc Aggressive



CrossBoard Heavy  
System Disc Aggressive

# Maximum drilling output



*Spirit 600-900S enables the driver to conduct half machine shut-off directly from the driver seat.*



*The seed-only model Spirit 600-900S holds 5000 litres.*

# Spirit 600-900C

Spirit 600-900C is a pneumatic seed drill for both seed and fertiliser. The 5000 litre hopper with large opening, result in fewer fills. Both the fertiliser and seed metering have impressive capacity.



Spirit 600-900C is available in 6, 8 or 9 metre working widths. It is equipped with innovative solutions that increases the precision and simplifies the operations at the farm.

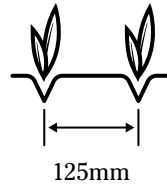
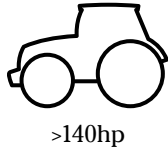
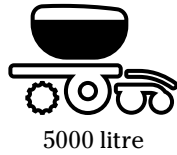
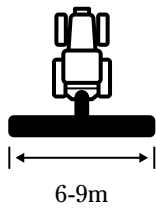
## **Fertiliser metering without limits**

The fertiliser is metered out via a distributor auger located at the bottom of the hopper. A hydraulic motor drives the auger and provides great fertiliser capacity. Due to a dividing wall in the hopper, the relation between the seed and fertiliser sections can easily be adjusted. If needed the whole hopper which hold 5000 litres can be used for seed.

## **High capacity seed metering**

Spirit 600-900C is equipped with two Fenix II metering systems that provide constant and reliable seed metering. The strong motor permits high seed rates at high speed. Due to the high location of the integrated fan, the dust intake is minimised, increasing drilling accuracy. To optimise the air distribution according to the respective seed and fertiliser type, all airflows are adjusted with the integrated AirBalance system.





# Precision and capacity

## Front tools



FIX



Nordic



CrossBoard Heavy



System Disc Aggressive



CrossBoard Heavy  
System Disc Aggressive



*To optimise the output on the field, Spirit 600-900C is equipped with half machine shut-off for both the seed and fertiliser.*



*The seed coulters pressure, working intensity of the front tools or the pressure applied by the following harrow is easily adjusted from the cab on the move.*

# Väderstad E-Control – New generation control system

The iPad-based control system Väderstad E-Control wirelessly connects to the Väderstad machine enabling full access to its functions and data. You benefit from user-friendly remote setup and calibration, as well as real-time monitoring and control.



## The portable office

Väderstad E-Control is a fully portable control system ready to be used when and where it is required. When calibrating the Väderstad machine, you can take the portable iPad out of the tractor and control the calibration from outside.

When your day is over you can take the iPad to the office and start planning the next day's work.



## State of the art graphics

The high-resolution iPad-display presents all the information clearly. The outstanding graphics makes every function easier to utilise.



Since Väderstad E-Control is used for many planters and seed drills in the Väderstad range, the same iPad can be used for multiple machines on the farm.

## Always up to date

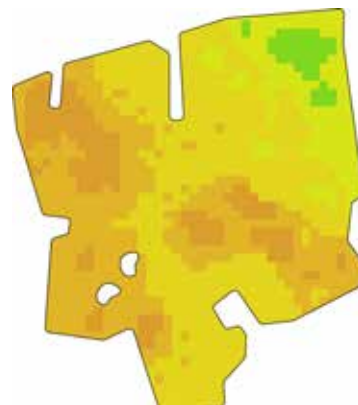
At Vaderstad we find it very important to provide the best support and service for all our customers. Therefore, all E-Control software updates are easy to download free of charge. With E-Control, you are always sure to benefit from the latest technology and the newest innovative solutions from Väderstad.

## Easy-to-use tramlining

The 4-9 metre Spirit models makes tramlining simpler and more reliable than ever before. The function is easy to setup with E-Control. When seeding the field, Rapid automatically shuts off specific rows when needed to match the tyre tracks of the sprayer.

## Combined control with ISOBUS Task Controller

Using Väderstad E-Control together with an ISOBUS terminal allows for automatic GPS section control and variable seed rate. A list of terminals compatible with ISOBUS Task Controller can be found on our web page [vaderstad.com](http://vaderstad.com) by searching for ISOBUS.



# Accessories



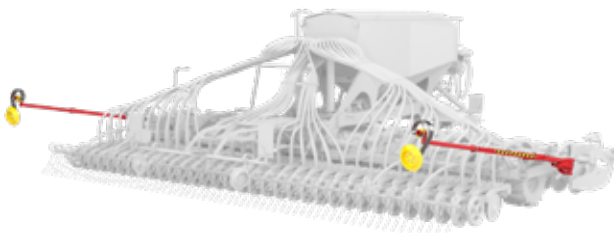
## Drawbar and towing eye

The following options are available: towing eye 40/50mm, Ball coupling 80mm, Ball towing eye 42/51/71mm.



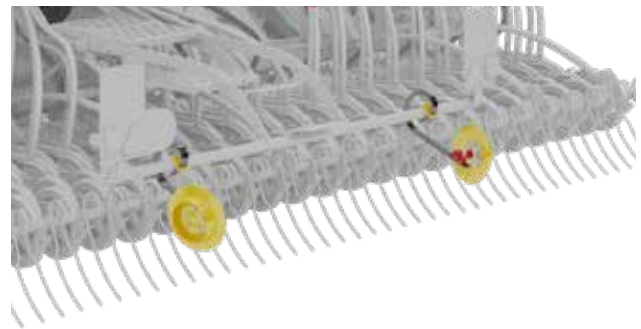
## Slug pellet spreader plates

The slug pellet spreader plates enable application of slug pellets together with the drilling operation. Fits all Spirit seed drills with BioDrill and following harrow heavy.



## Markers arms

Marker arms with easy adjustment for different soil conditions.



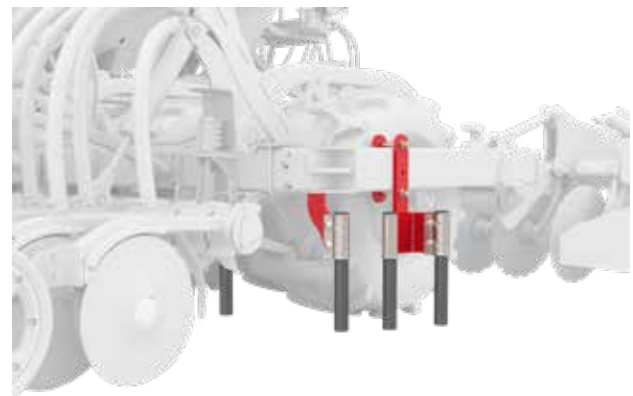
## Pre emergence marker

The pre emergence markers consists of discs marking the position of tramlines, without disturbing the seeds.



## Track eradicators

Loosens the soil in the tractor wheel tracks.



## Light soil kit

Evens out soil ridges between the gauge wheels on light soils.



**Hydraulic support leg**

The hydraulic support leg can be fitted to Spirit 400-900C/S.



**Pivot packer**

Spirit R 300S can be fitted with 4 pivoting packer wheels.



**Following harrow heavy**

The heavy harrow is centrally mounted with adjustable pressure and work angle. Recommended in heavy soil.



**Following harrow Light**

The light version harrow is controlled sideways from rear seed coulters. Recommended in lighter soil conditions.

	<b>STR 300S</b>	<b>ST 400S</b>	<b>ST 600S</b>
Metering	Electrical	Electrical	Electrical
Working width (m)	3.0	4.0	6.0
Transport width (m)	3.0	3.0	3.0
Transport height (m)	2.65	3.2	3.2
Transport length (m)	7.3/8.3	8.7	8.7
Weight min/max (kg)	3500	4800-5950	6600-8100
Volume seed hopper (l)	2800	3800	5000
*Number of seed coulters	24	24/32	36/48
Row spacing seed coulters (mm)	125	167/125	167/125
Coulter pressure min/max (kg)	40/80	40/80	40-80
Wheel dimension	400/55-15.5	400/55-15.5	400/55-15.5
Hydraulic requirement	3-4 DA + 3/4" FR	3-4 DA + 3/4" FR	3-4 DA + 3/4" FR
Oil flow requirement (l/min)	90	90	100
Draught requirement (hp)	100-150	120-170	170-250

	<b>ST 800S</b>	<b>ST 900S</b>
Metering	Electrical	Electrical
Working width (m)	8.0	9.0
Transport width (m)	3.0	3.0
Transport height (m)	3.85	4.0
Transport length (m)	8.7	8.7
Weight min/max (kg)	8300-10200	9200-11200
Volume seed hopper (l)	5000	5000
*Number of seed coulters	48/64	54/72
Row spacing seed coulters (mm)	167/125	125
Coulter pressure min/max (kg)	40-80	40-80
Wheel dimension	400/55-15.5	400/55-15.5
Hydraulic requirement	3-4 DA + 3/4" FR	3-4 DA + 3/4" FR
Oil flow requirement (l/min)	105	105
Draught requirement (hp)	220-320	240-350

	<b>ST 400C FIX</b>	<b>ST 400C Nordic</b>	<b>ST 400C InLine</b>
Metering	Electrical	Electrical	Electrical
Working width (m)	4.0	4.0	4.0
Transport width (m)	3.0	3.0	3.0
Transport height (m)	3.6	3.6	3.6
Transport length (m)	8.7	8.7	8.7
Weight min/max (kg)	5300-6200	5300-6200	5300-6200
Volume seed hopper (l)	5000 (Seed 2000 or 2500)	5000 (Seed 2000 or 2500)	5000 (Seed 2000 or 2500)
Number of seed coulters	32	16	32
Row spacing seed coulters (mm)	125	125	125
Number of fertiliser coulters	32	16	32
Row spacing fertiliser (mm)	125	250	125
Coulter pressure min/max (kg)	40/80	40/80	40/80
Wheel dimension	400/55-15.5	400/55-15.5	400/55-15.5
Hydraulic requirement	3-4 DA + 3/4" FR	3-4 DA + 3/4" FR	3-4 DA + 3/4" FR
Oil flow requirement (l/min)	100	100	85
Draught requirement (hp)	140-170	125-170	140-170

DA= Double acting FR= Free return

\* Depends on the row spacing 167/125mm

	<b>ST 600C FIX</b>	<b>ST 600C Nordic</b>	<b>ST 600C InLine</b>
Metering	Electrical	Electrical	Electrical
Working width (m)	6.0	6.0	6.0
Transport width (m)	3.0	3.0	3.0
Transport height (m)	3.6	3.6	3.6
Transport length (m)	8.7	8.7	8.7
Weight min/max (kg)	7600-8500	7300-8100	7300-8200
Volume seed hopper (l)	5000 (Seed 2000 or 2500)	5000 (Seed 2000 or 2500)	5000 (Seed 2000 or 2500)
Number of seed coulters	48	48	36
Row spacing seed coulters (mm)	125	125	167
Number of fertiliser coulters	48	24	36
Row spacing fertiliser(mm)	125	250	167
Coulter pressure min/max (kg)	40-80	40-80	40-80
Wheel dimension	400/55-15.5	400/55-15.5	400/55-15.5
Hydraulic requirement	3-4 DA + FR	3-4 DA + FR	3-4 DA + 3/4" FR
Oil flow requirement (l/min)	115	115	110
Draught requirement (hp)	200-250	170-250	170-250

	<b>ST 800C FIX</b>	<b>ST 800C Nordic</b>
Metering	Electrical	Electrical
Working width (m)	8.0	8.0
Transport width (m)	3.0	3.0
Transport height (m)	3.9	3.85
Transport length (m)	8.7	8.7
Weight min/max (kg)	8700-10600	8300-10200
Volume seed hopper (l)	5000 (Seed 2000, 2500 or 5000)	5000 (Seed 2000, 2500 or 5000)
Number of seed coulters	64	64
Row spacing seed coulters (mm)	125	125
Number of fertiliser coulters	64	32
Row spacing fertiliser(mm)	125	250
Coulter pressure min/max (kg)	40-80	40-80
Wheel dimension	400/55-15.5	400/55-15.5
Hydraulic requirement	3-4 DA + FR	3-4 DA + FR
Oil flow requirement (l/min)	130	130
Draught requirement (hp)	270-320	220-320

	<b>ST 900C FIX</b>	<b>ST 900C Nordic</b>
Metering	Electrical	Electrical
Working width (m)	9.0	9.0
Transport width (m)	3.0	3.0
Transport height (m)	4.0	4.0
Transport length (m)	8.7	8.7
Weight min/max (kg)	9800-11800	9400-11400
Volume seed hopper (l)	5000 (Seed 2000, 2500 or 5000)	5000 (Seed 2000, 2500 or 5000)
Number of seed coulters	72	72
Row spacing seed coulters (mm)	125	125
Number of fertiliser coulters	72	36
Row spacing fertiliser(mm)	125	250
Coulter pressure min/max (kg)	40-80	40-80
Wheel dimension	400/55-15.5	400/55-15.5
Hydraulic requirement	3-5 DA + FR	3-5 DA + FR
Oil flow requirement (l/min)	130	130
Draught requirement (hp)	290-350	240-350

DA= Double acting

FR= Free return

\* Depends on the row spacing 167/125mm

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