



AMAZONE

Trailed seed drill **Condor**

Fertiliser Delivery Cart **FDC**



Condor trailed seed drill

in working widths of 12 m and 15 m



Condor in working widths up to 15 m

The Condor trailed seed drill utilises individually-guided ConTeC pro sowing coulters, in row widths of either 25 cm or 31.3 cm/33.3 cm, making it particularly suitable for use in extensive arable farming systems as found in continental dry regions. The Condor offers enormous outputs through working widths of 12 and 15 m and its 7,800 litre, 3-section pressurised seed hopper.



Condor

Wide in the field, narrow on the road

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Condor trailed seed drill



12 m and 15 m



25 cm or 31.3 cm/33.3 cm



7,800 l



up to 10 km/h

The advantages at a glance:

- + Minimal fuel consumption due to the low pulling power requirement
- + High performance and huge work rates
- + Quick turn-round times owing to the generous hopper capacity
- + Clearly arranged and comfortable centralised machine setting
- + More water available to the plants thanks to row spacings of 25 cm and 31.3 cm/33.3 cm
- + Simultaneous application of two seed types
- + Good crop development thanks to starter fertilisation in the seed furrow with single-shoot
- + Flexible use with existing ISOBUS terminals possible
- + Soil movement reduced to a minimum owing to extremely narrow chisel openers, reduced evaporation
- + Perfect seed / soil contact thanks to the combined press and depth guidance roller equipped as standard

MORE INFORMATION

www.amazone.net/condor



PRODUCT FILM
Find out more



SMARTLEARNING
www.amazone.net/smartlearning

Condor – for direct sowing





Millet



Winter wheat

Spring rape following
spring wheatSpring wheat following
spring rape

Catch crop mixture

The concept – for extensive arable farming systems

The AMAZONE Condor is the ideal machine for operation in arable farming systems that use the shallowest of soil tillage or just direct sowing. Particularly in large arable areas, where time and soil moisture are the limiting factors, the Condor stands for high work rates, precision and water conservation. The low pulling power requirement in relation to its working width helps significantly in reducing the financial costs in these most extensive of arable farming systems.

System and operational conditions

When using reduced mulch sowing or direct sowing methods, it is important in both cases that the fertiliser is placed in the ground below the crop residues in order to prevent losses due to gaseous emission, especially in times when fertiliser costs are rising. Scientific trials in Regina, Canada and Samara, Russia show that with this method it is possible to apply 30 kg/ha of pure N when sowing wheat and approximately 25 kg/ha when sowing rape. In the very dry and continental conditions in Canada and the Eurasian Steppe, where the potential yield is relatively low, this quantity is often completely sufficient for the usual spring cropping.

The benefits:

- ✔ Minimum ground disturbance
- ✔ Fertiliser applied with the seed
- ✔ Seed placed at an optimum depth under the straw and in the appropriate reconsolidation
- ✔ Extremely wide variety of crops can be sown
- ✔ Huge reduction in cost

Thanks to the technical features of the Condor as described, it is ideal when used for direct sowing on large-sized farms. The coulter is only 12 mm wide and thus moves only as much soil as is absolutely necessary for optimum seed placement under the straw. This not only prevents ground water loss but also lowers the tractive power requirement and fuel consumption. 220 hp was sufficient tractor output for the Condor 12001 in extensive tests under true working conditions. On average, the spectacular figure of only 2.7 litres of diesel per hectare was recorded with the Condor 15001. Also under working conditions, the Condor 15001 was able to achieve a daily work rate in 13 hours of 150 hectares at a working speed of 8 to 10 km/h.

PURE efficiency



Fast and effective – not only on the field

The change between transport position (3 m transport width) and being folded out into the working position (working widths up to 15 m) is quick and reliable. Equipped with air brakes, the trailed seed drill is quick on the road with a permissible speed of 40 km/h.*

- ✔ Folding concept with a working width of up to 15 m down to a transport width of just 3 m. This means that reversing is also no longer a problem.

* Please be aware of national road traffic regulations!

Comfort comes up trumps!

Comfortable settings centre on the front left-hand side

The settings centre at the front of the machine makes the machine very easy to set up. The large pressure gauges on the front of the Condor mean that all the important hydraulic functions and the internal tank pressure are always in view.

The benefits

- ✔ Extremely comfortable machine setting from the front left-hand side of the machine
- ✔ Safe access via a sturdy aluminium ladder and large platform
- ✔ Integrated hand wash tank and soap dispenser
- ✔ Practical hose rail for storing the hydraulic hoses



Safe access thanks to the large platform

Optimally located hopper – convenient and quick to fill

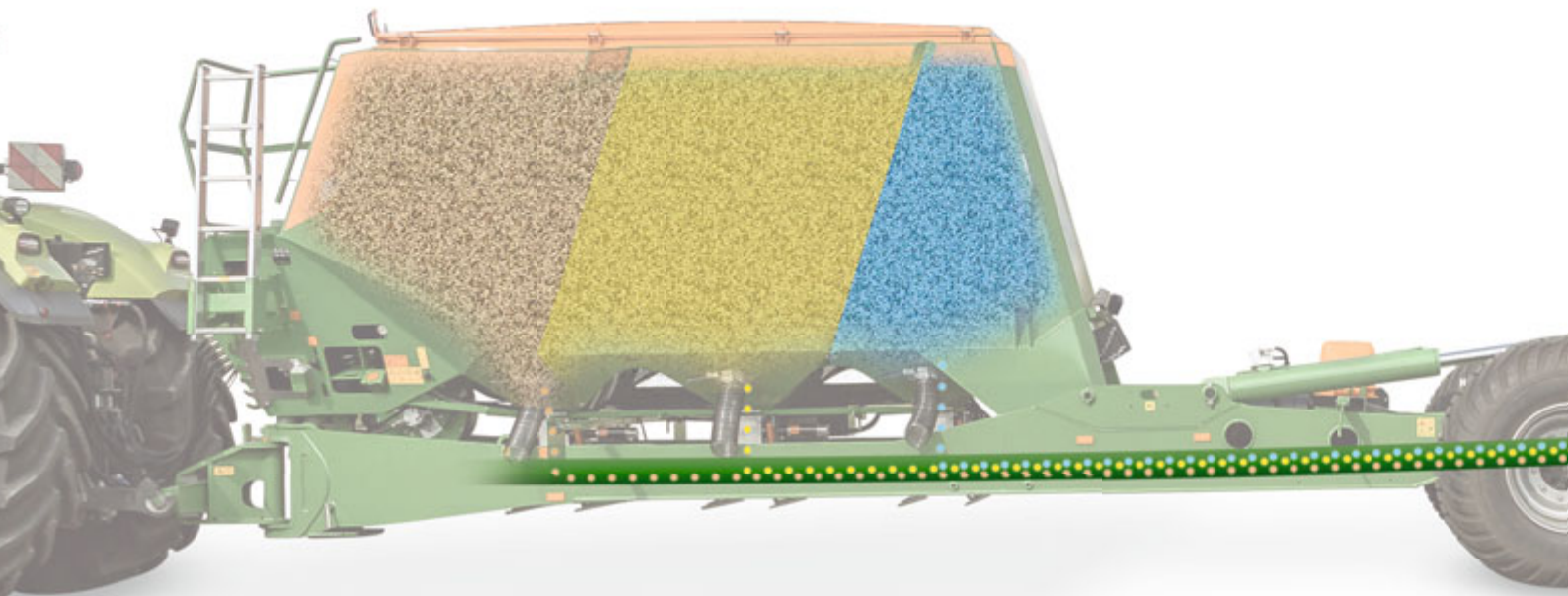
The seed hopper is placed right at the front of the drawbar and transfers additional weight to the tractor rear axle. This improves traction. The 7,800 l multi-chamber hopper can be easily filled from big bags, front end loaders or transfer trailers.

In addition, a robust aluminium ladder and a large platform provide safe access to the hopper for easy filling.



Flexibly combined

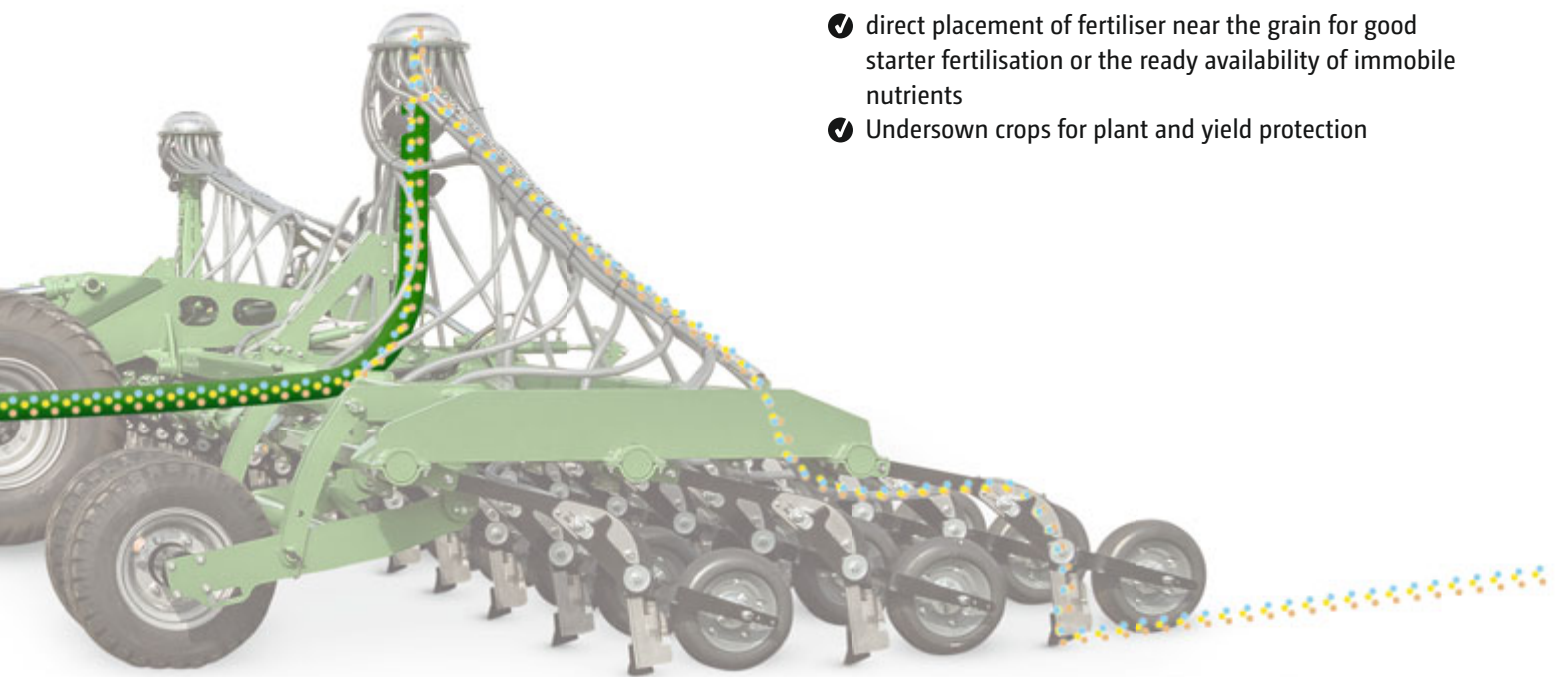
3-section pressurised hopper for seed and fertiliser or a combination of seed types



✔ Principle of the conveying system on the Condor

The Condor offers the option of placing fertiliser or a second seed type as a companion plant/undersown crop in the seed furrow together with the seed. The hopper is divided into 3 sections and can be flexibly combined. If division of

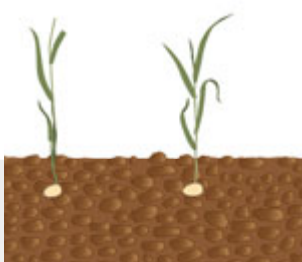
the hopper is not required, it can be completely filled with just one seed type.



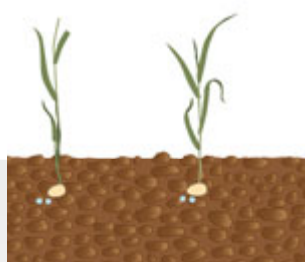
Advantages of single-shoot:

- ✔ direct placement of fertiliser near the grain for good starter fertilisation or the ready availability of immobile nutrients
- ✔ Undersown crops for plant and yield protection

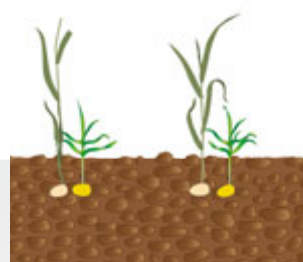
The options:



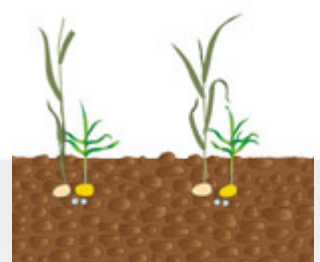
Seed only



Single-shoot:
sowing seed with fertiliser at
one placement depth



Single-shoot:
sowing two seed types at one
placement depth



Single-shoot:
sowing two seed types with
fertiliser at one placement
depth

The right drive system

Metering drive – mechanical or electric

The mechanically- or electrically-driven metering system guarantees a precise and uniform seed flow at seed rates ranging from 2 to 400 kg/ha, depending on the working speed. The three metering cassettes supplied as standard cover up to 95 % of all seeds. Additional cassettes are available, for instance, for maize or specialist crops.

The benefits:

- ✔ Easy exchange of the metering cassettes
- ✔ Calibration kit included as standard
- ✔ Simple emptying of residual amounts via the separate outlet

Mechanical metering drive – reliable and tried-and-tested

The mechanical land wheel drive is a reliable but simple and cost-effective solution. The large diameter land wheel ensures an even, uninterrupted drive of the metering system.



- ✔ The mechanical Vario gearbox provides seed rates from 2 to 400 kg.

Metering cassettes for different seed types

Supplied as standard:

2x20 ccm



e.g. for rape,
stubble turnips,
lucerne

2x210 ccm



e.g. for barley, rye,
wheat

2x600 ccm



e.g. for spelt,
oats, wheat

2x880 ccm



e.g. for high seed
rates

7.5 ccm



For rape, linseed
and poppies

120 ccm



For catch crops,
maize and
sunflowers

350 ccm



For fertiliser

660 ccm



For peas and
beans

Maximum operational comfort

with the electric metering drive

Electric metering drive – ready for precision farming!

The electrically-driven metering enables easy adjustment of the seed rate from the tractor cab, pre-metering in field corners and calibration at the touch of a button.

The metering can even be provided automatically on a part-area, site-specific basis via application maps when equipped with ISOBUS. The calibration can be easily carried out on the machine via the TwinTerminal.

The benefits:

- ✔ Easy adjustment of the seed rate from the tractor cab. Also, as an alternative, automatically seed rate control on a part-area, site-specific basis via application maps
- ✔ Easy calibration possible via the TwinTerminal screen directly on the machine



- ✔ Precise electric metering drive
Easy setting via the operator terminal and comfortable calibration

High operating comfort – Comfort-Pack 1 with TwinTerminal 3.0

AMAZONE offers Comfort-Pack 1 with its TwinTerminal 3.0 for the electric metering drive, in order to further simplify calibration and residue emptying. The small, additional TwinTerminal mounted directly on the machine offers a key advantage: The driver can now perform the calibration operation and input the data from that calibration directly into the machine and no longer has to repeatedly get on and off the tractor.

The TwinTerminal 3.0 consists of a water- and dust-proof housing with a 3.2" display and four large keys for actuation.

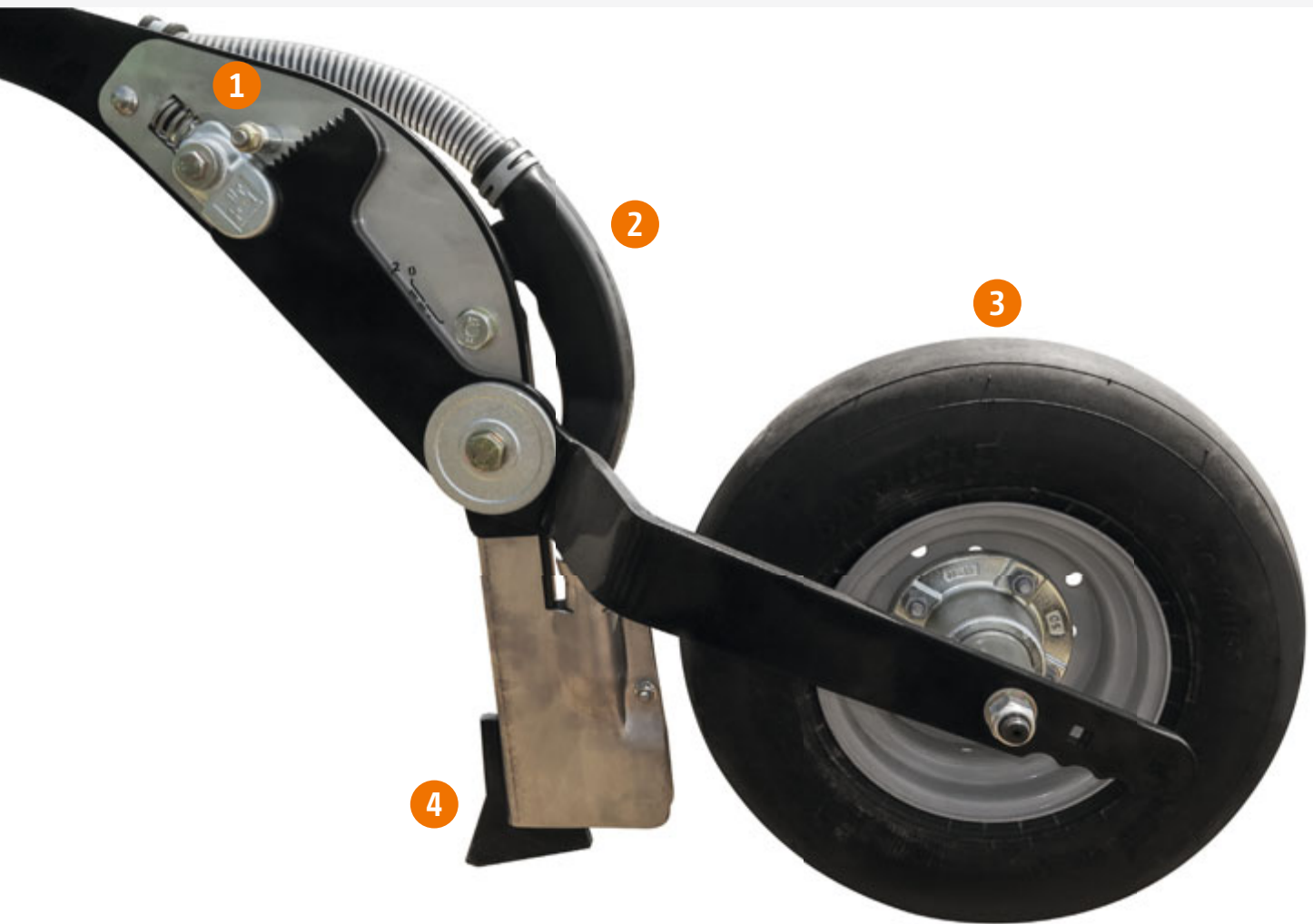
The benefits:

- ✔ Easy calibration via TwinTerminal without having to repeatedly get on and off the tractor



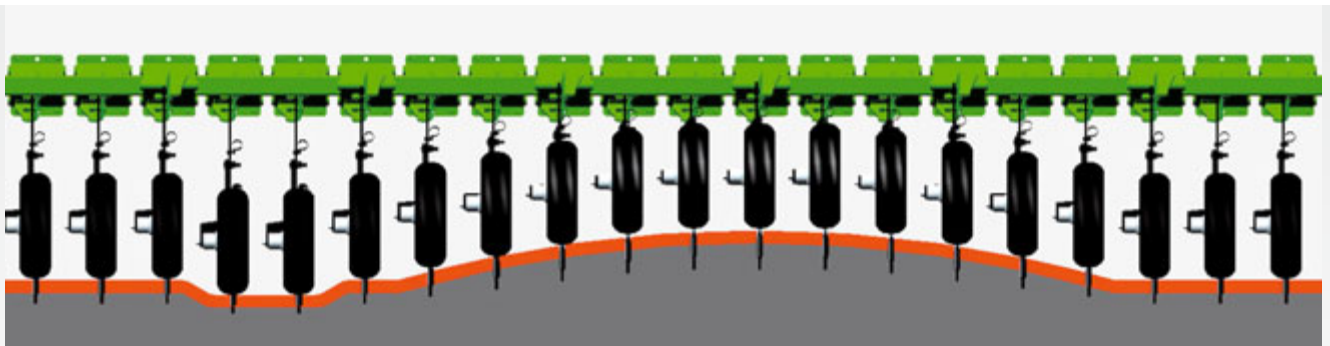
- ✔ Calibration via the TwinTerminal 3.0

The “ConTeC pro” coulter system



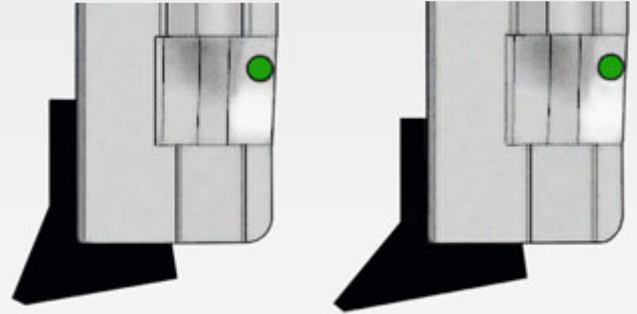
ConTeC pro coulter

- ① Precise working depth adjustment
- ② Air diffuser
- ③ Packer wheel
- ④ Chisel coulter





Setting the depth-guided tine coulters



Standard: 68 degree angle

50 degree angle for better pull-in on very hard soils

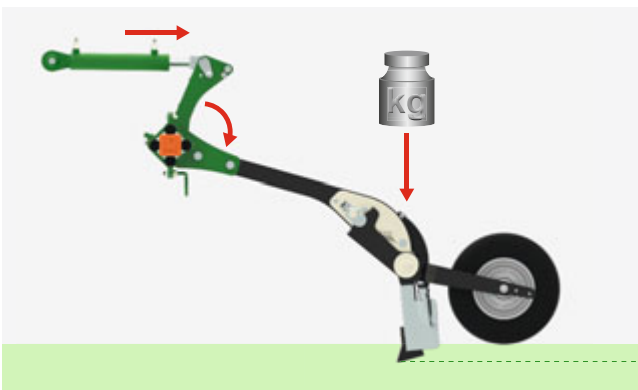
ConTeC pro tine coulters

AMAZONE relies on individually depth-guided ConTeC pro coulters in the Condor. Two points with 50° and 68° are available for the tine coulters. The point with a 68° angle of attack ensures the best penetration into the soil for most

soils, thereby ensuring that the placement depth is safely reached. The flat point with a 50° angle of attack is used on very hard soils.

The benefits

- ✔ Less soil movement when opening the seed furrow, in order to preserve soil moisture
- ✔ Production of more fine soil, in order to provide optimum soil / seed contact
- ✔ Effective clearance of the seed furrow, so that any hair-pinning effect, i.e. the pressing of the straw into the seed furrow, is avoided
- ✔ Exact longitudinal contour following of the ConTeC pro coulters via the trailing packer wheels
- ✔ Optimum soil contact and reconsolidation in dry regions
- ✔ There is a choice of four guide wheels for a wide variety of applications and soil conditions



Each coulters row is provided with its own hydraulic cylinder on each half of the machine. This rotates the coulters bar, thereby applying pressure to the coulters. In this way a coulters pressure of up to 120 kg is achieved at the tine tip.

ConTeC pro HD tine coulters for a long service life

- ✔ Hard-faced HD plate for the 68 degree coulters
- ✔ Extra hardened variants for difficult sowing conditions
- ✔ Long service life of the share points as a result of tungsten carbide alloy at the front



Air filled wheel

Fully foam-filled wheel – round profile

Fully foam-filled wheel – triangular profile

Semi-pneumatic wheel

V press wheels

The different packer wheel profiles

Air filled wheel

The air filled wheel is suited to a large variety of operational conditions. By the flex in the tyre it is kept free from wet soil. Under dry conditions, it provides a reliable reconsolidation of the soil.

Fully foam-filled wheel – round profile

Due to its robust design, this wheel is ideally suited for use in extremely dry conditions and where harsh stubbles prevail. Burst tyres and cost-intensive down times are no longer a potential risk. The hard wheel provides optimum reconsolidation of the seed furrow.

Fully foam-filled wheel – triangular profile

Due to its wedge shape, this wheel provides the maximum contact pressure in especially dry conditions and on light soils. Its robustness pays off especially when sowing in harsh stubbles.

Semi-pneumatic wheel

This tyre is indeed the real all-rounder. Its thick rubber wall makes it extremely resistant against even the harshest of stubbles. Under dry conditions, this tyre achieves a very good reconsolidation. The air chamber provides this tyre with a very good flexibility preventing the sticking of wet soil on the wheel.

V press wheels

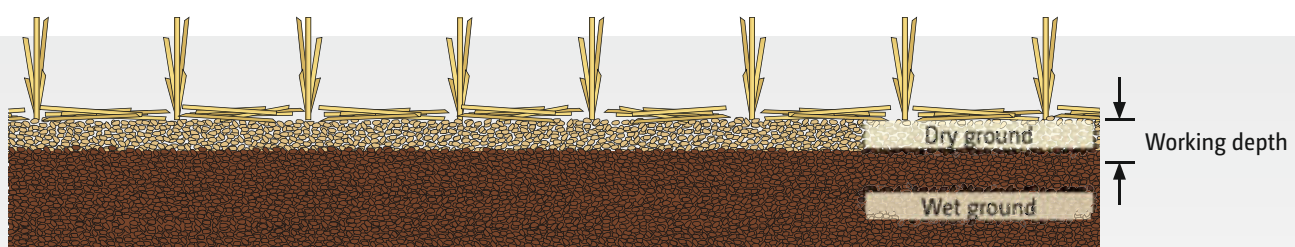
V press wheels are particularly suitable for the sowing of crops that need a shallow placement depth, such as rape. In addition, targeted reconsolidation can be used reliably to close the furrow to the left and right of the sowing. Under mulch sowing conditions, we also reduce the covering of rows.

Precise placement depth

The new working depth adjustment of the ConTeC pro coulter system guarantees the utmost comfort and precision when setting the sowing depth. Thanks to the modern tool-less adjustment of the sowing depth, the placement depth of all the coulters can be changed in a short time.

The benefits

- ✔ Precise and simple adjustment of the sowing depth from 0 to 10 cm
- ✔ Quickest possible adjustment to different seed types and weather conditions
- ✔ Easy adjustment of the placement depth depending on the moisture horizon of the soil
- ✔ A larger sowing time frame as a result of the flexible possibilities for adjustment of the coulter





Perfect contour following

The ConTeC pro coulters achieve perfect ground adaptation through its simple yet ingenious construction without the need for the usual hydraulic cylinder on every coulters. The flexible connection between the frame sections and the coulters is achieved via the proven sprung rubber buffer blocks.

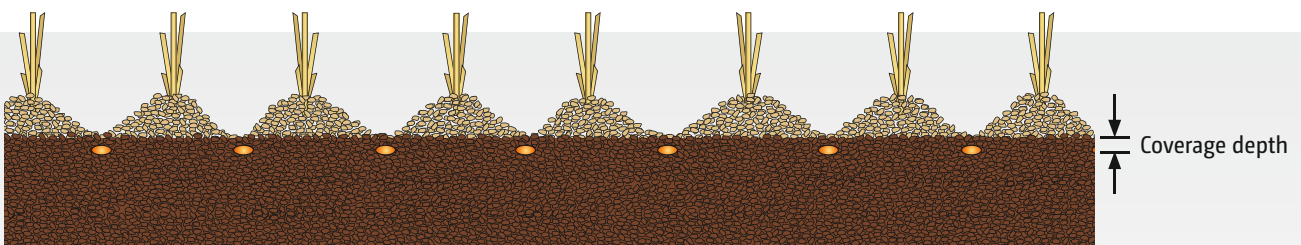
The benefits

- ✔ Compensation in ground undulations of up to 65 cm with sowing depth maintained
- ✔ Low incidence of failure
- ✔ Hydraulic adjustment of the coulters pressure
- ✔ Very high coulters pressure of up to 120 kg
- ✔ Blockage-free operation owing to the large spacing between the coulters of 25 cm and the frame height of 80 cm

- ✔ The coulters arm is made from special spring steel. Because of this, the coulters can avoid obstacles by moving to the side and it almost inevitably travels between the rows of stubble from the previous crop.

Optional air diffuser for the ConTeC pro coulters

- ✔ Superfluous air is released at the end of the seed conveying pipe before the furrow bottom
- ✔ Prevents fine seeds from easily being blown out of the seed furrow
- ✔ Flexible choice of fan speed and therefore less readjustment when changing seed



Condor is available in either 25 cm and 31.3/33.3 cm row spacing





Condor for increased efficiency

The method of tillage can now be matched to the prevailing conditions of an individual region even more precisely with the Condor trailed seed drill.

Row width 25 cm

Row widths of 25 cm are ideal in the more moist Steppe regions.

- ✔ Higher seed rates possible
- ✔ Plant distribution and higher water availability provide the optimum conditions for growth and minimise competition within the row
- ✔ Mechanical weed control possible as a result of 25 cm row spacing

Row width 31.3/33.3 cm

Row widths of 31.3/33.3 cm are recommended for very dry conditions.

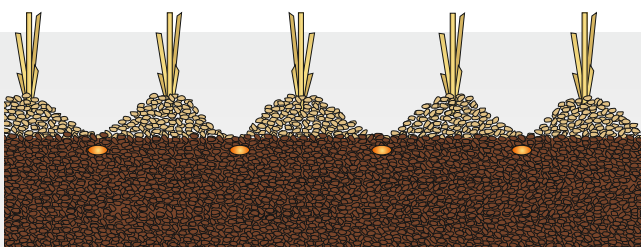
- ✔ Lower seed rates with a large row spacing result in extremely vital single plants
- ✔ A maximum amount of water is available to plants
- ✔ Effective minimisation of the risk of early stress ripening and considerable losses in yield
- ✔ A reduction in fuel consumption and an increase in work rates thanks to the higher working speeds

Precise for sowing rape

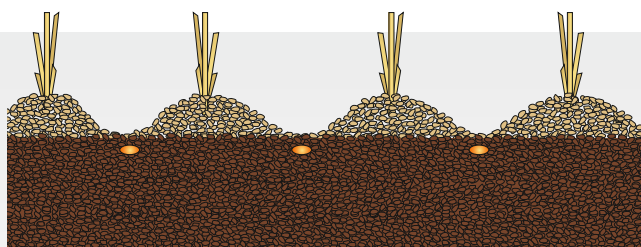
The establishment of rape in high continental regions primarily depends on the sowing system. Precise seed placement is of vital importance owing to a short and dry growing season. Precise placement of the seed is possible with the individually depth-guided ConTeC pro coulters. Apart from the placement depth, the optimum seed rate plays a key role in rape establishment. Low seed rates promote the development of the individual plants and reduces the risk of the yield being decimated through premature and stress ripening. The stepless Vario gearbox enables seed to be precisely metered at rates as low as 2 kg/ha. Precise lateral distribution over the complete working width enables crops to be sown particularly evenly.

Field trials in dry regions demonstrate higher yields for rape and wheat in row widths of 31.3/33.3 cm and the same yields in wet years as in the case of a row spacing of 25 cm.

- ✔ Reduction in use of inputs, such as seed and fertiliser



Row width 25 cm



Row width 31.33/33.3 cm

MEMBER OF



ISOBUS as the basis for intelligent communication

One language, many benefits!

Each ISOBUS-enabled machine from AMAZONE comes with the latest technology and almost unlimited possibilities. It makes no difference whether you use an operator terminal from AMAZONE or an ISOBUS terminal fitted directly in the tractor. ISOBUS is an internationally recognised standard for communication between the operator terminal, tractors and connected implements on the one hand and Farm Management Information Systems on the other.

Operation with a wide variety of ISOBUS terminals

Which means that ISOBUS enables you to take control of all your ISOBUS compatible equipment. You only have to connect the machine to the respective ISOBUS terminal and the usual operator interface appears on the monitor in your tractor cab.

Benefits of ISOBUS at a glance:

- ✔ This worldwide standard provides a uniform interface and data exchange format that ensures compatibility even with third party manufacturers
- ✔ Plug and Play between machine, tractor and additional ISOBUS implements





Perfectly developed machine operation from AMAZONE

AMAZONE machinery and operator terminals offer a range of functions which are very easy and safe to operate:

- ✔ Highest compatibility and function flexibility of your ISOBUS equipment
- ✔ No additional modules on the machine side. All ISOBUS machines from AMAZONE come ready-equipped with the necessary ISOBUS functions as standard
- ✔ Practice-oriented machine software and logical menu structure
- ✔ MiniView display with all AMAZONE terminals and additional ISOBUS terminals. See, for instance, the machine data in the map view
- ✔ Possibility of operating the machine via the tractor terminal or a twin terminal solution
- ✔ Flexible assignment of the map and machine view between the tractor terminal and the operator terminal
- ✔ Unique operating concept. Freely configurable displays and individual user interfaces for each driver
- ✔ Useful additional functions such as automatic boom lowering on AMAZONE crop protection sprayers
- ✔ Integrated TaskController data logger function



Clearly-structured AMAZONE machine operation

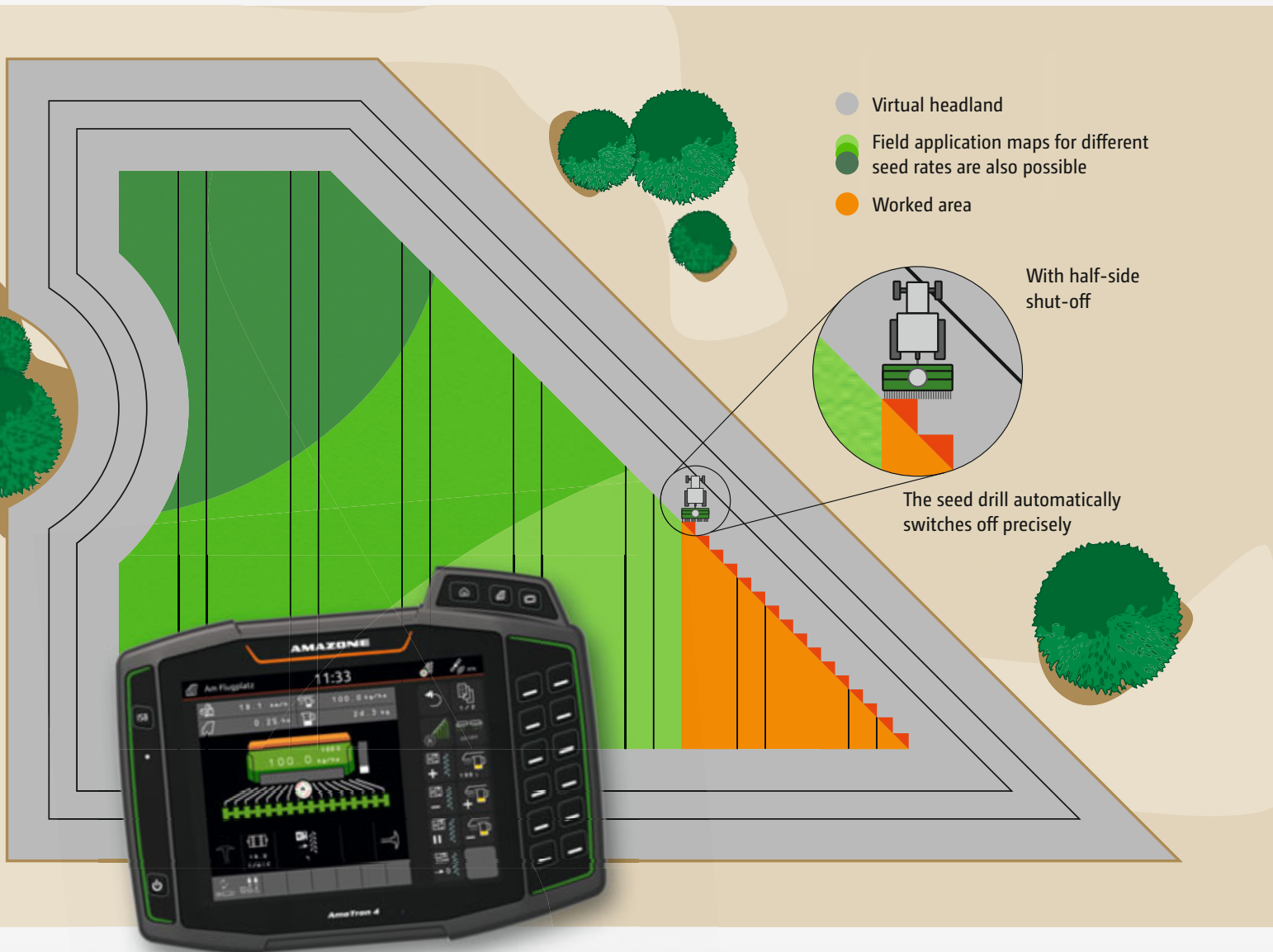
Advantages of the AMAZONE machine software:

- ✔ User-oriented and intuitive
- ✔ Tailored to the machine
- ✔ Function scope above and beyond the ISOBUS standard

Clear display of the work menu in the AMAZONE machine operation



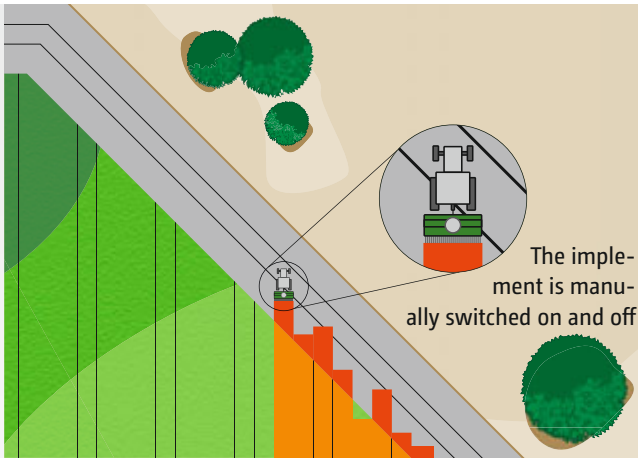
Automatic part-width section control GPS-Switch



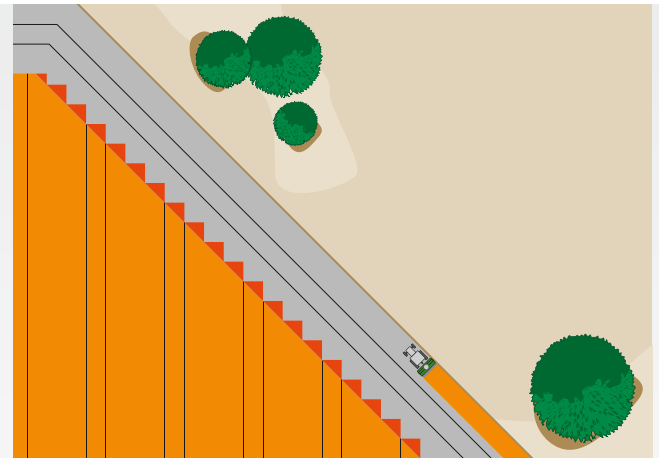
Accurate placement of the seed

Precise sowing is very important, in order to avoid over- and under-sowing in critical areas. A remedy for accurate placement is offered by the half-side control, which reduces the overall working width to half so that a significant

saving is achieved, especially in wedge shaped fields and on the headland. The two halves of the drill each correspond to one controllable part-width section.



Over- or under-sowing with manual on/off control without GPS-Switch



Position dependent, automatic control, both on and off, of the electric metering unit via GPS-Switch

If the operating terminal facilitates Section Control, such as GPS-Switch part-width section control from AMAZONE, the part-width sections are activated completely automatically and in relation to the GPS position. Once a field has been created, and then in automatic mode, the driver can concentrate fully on the operation of the towing vehicle, since the part-width sections are switched automatically in wedge shaped fields and on headlands.

Benefits of automatic part-width section control:

- ✔ Stress relief for the driver
- ✔ Increase in precision, especially at night or at higher speeds
- ✔ Less overlaps and gaps
- ✔ Saving inputs
- ✔ Less crop damage and environmental impact
- ❗ “With Section Control, the ISOBUS terminal takes a lot of pressure away from the driver.”
 (“dlz agrar magazine” – test report ZA-TS fertiliser spreader · 02/2017)

GPS-Switch

With GPS-Switch, AMAZONE offers GPS-based, fully automatic, part-width section control for all AMAZONE operator terminals and ISOBUS-compatible fertiliser spreaders, crop protection sprayers or seed drills.

GPS-Switch basic

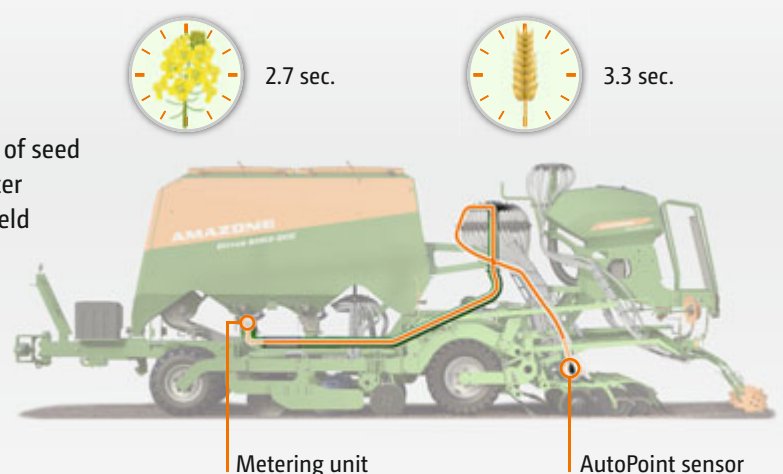
- ✔ Automatic part-width section control with up to 16 part-width sections
- ✔ Creation of a virtual headland
- ✔ Automated boom lowering with an AMAZONE crop protection sprayer
- ✔ Optional with AmaTron 4

GPS-Switch pro (as an extension of GPS-Switch basic)

- ✔ Automatic part-width section control with up to 128 part-width sections, particularly for crop protection sprayers with individual nozzle control
- ✔ Marking of obstacles (e.g. water holes, pylons)
- ✔ Auto-zoom when approaching the headland
- ✔ Optional with AmaTron 4

Switch time optimisation – GPS-Switch with AutoPoint

- ✔ Automatic determination of the conveying time of seed flow from the metering unit to the sowing coulters
- ✔ Minimisation of misses and overlaps for good field hygiene
- ✔ Reduction in the disease pressure results in fewer plant protection measures and a simultaneous reduction in cost



Workday made easy –

Make the most of the possibilities!

GPS-Maps&Doc

All standard ISOBUS terminals from AMAZONE can collect and save machine and site-specific data using Task Controller. Part-area, site-specific operation via application maps in either Shape file or ISO-XML formats is also possible.

- ✔ Easy creation, loading and processing of jobs
- ✔ Start a new task straight away and decide later whether the data is to be saved or not
- ✔ Import and export jobs in ISO-XML format
- ✔ Job summary via PDF export
- ✔ Intuitive system for processing application maps in either Shape file format and ISO-XML format
- ✔ Automatic part-area, site specific regulation of the application rate
- ✔ Indication of inactive field boundaries and automatic field detection when approaching the vicinity
- ✔ Optimum crop management via needs-based application
- ✔ Available as standard with AmaTron 4

GPS-Track

The GPS-Track parallel guidance greatly helps with orientation in the field, especially on grassland or in areas without tramlines.

- ✔ With a virtual light bar in the status bar
- ✔ Automatic tramline control via GPS for seed drills
- ✔ Various track modes such as A-B lines or contour following
- ✔ Optional with AmaTron 4

AmaCam

Software licence for displaying a camera image on AmaTron 4.

- ✔ Automatic display of the camera image on AmaTron 4 when reversing



Display of the application map in AmaTron 4



Display of the camera image in AmaTron 4

AmaTron 4

Manager 4 all



Simple and convenient operation as intuitive as your tablet

Why not handle a terminal as intuitively as a tablet or a smartphone? With this in mind, AMAZONE has developed the operator-friendly AmaTron 4, which offers a noticeably smoother operational process, especially when it comes to job management. AmaTron 4, with its 8" multi-touch colour display, meets the highest demands and offers you maximum user-friendliness. A swipe of the finger or use of the App carousel allows quick changes between applications and the simple and clearly structured operating menu. The practical MiniView, a freely configurable status bar and an integrated light bar make the AmaTron 4 exceptionally easy and convenient to use.

Benefits of AmaTron 4:

- ✔ Automatic full screen mode when not being touched
- ✔ Automatic display of the touch buttons via a proximity sensor
- ✔ Practical MiniView concept
- ✔ Actuation via the multi-touch colour display or soft keys
- ✔ Particularly intuitive and user-friendly
- ✔ Field-related documentation
- ✔ Practice-oriented and intelligent menu navigation
- ✔ Practical quick-start menu with import and export of job data, help windows, day/night mode and the AUX-N assignment
- ✔ One camera input and automatic reversing detection
- ✔ Free trial period for all chargeable licences
- ✔ AmaTron Connect – for optional entry into the digital age

Equipped as standard with:

GPS-Maps&Doc



AmaPilot⁺ – everything in the one hand!

Thanks to the AUX-N feature, you can operate multiple functions on the machine via AmaPilot⁺ or any other ISOBUS multi-function joysticks.

Advantages of AmaPilot⁺:

- ✔ Almost all the functions directly to hand via the 3 levels
- ✔ Adjustable palm rest
- ✔ Freely-available key assignment

AmaTron Connect

New ways of comfortable networked operation

With AmaTron Connect, AMAZONE provides a digital interface to a smartphone or tablet. The mobile device and AmaTron 4 are simply connected as a hotspot. AmaTron Connect enables use of the AmaTron Twin App as well as data exchange via agrirouter and the myAmaRouter App.

AmaTron Twin App Clear display enhancement

The AmaTron Twin App offers the driver even more comfort during work, as any GPS functions in the map view can also be operated via a mobile device, e.g. a tablet, in parallel with machine operation on the AmaTron 4.

Now download the free App and try the DEMO in the App.



Everything in view at all times with the AmaTron Twin App and the holder for a tablet for rigid mounting on the AmaTron 4

Advantages of the AmaTron Twin display enhancement:

- ✔ Use of an existing mobile device
- ✔ Greater clarity – all applications in sight
- ✔ Comfortable control of the GPS functions in the map view, in parallel, via the mobile device
- ✔ Clear, authentic representation of the working machine and its part-width sections

agrirouter –

the independent data exchange platform for agriculture



Watch the video for more details

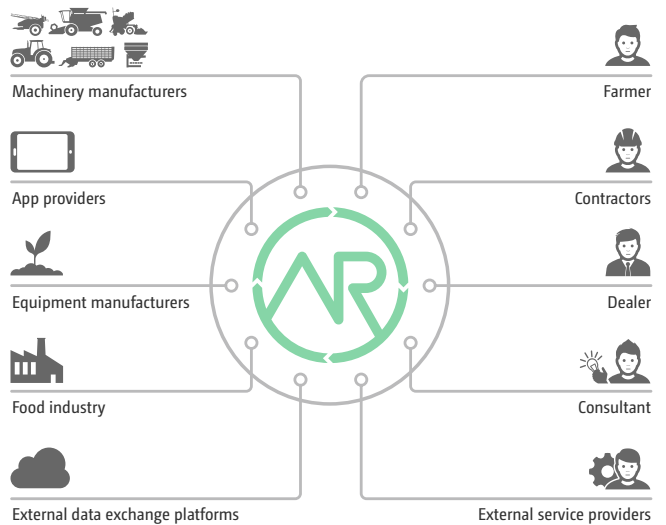
Secure data exchange

agrirouter is an independent data exchange platform for farmers and contractors. It enables simple and cross-manufacturer data exchange between machines and agricultural software applications, thereby reducing administration. The user retains full control over the data at all times.

myAmaRouter App

For the on-line transfer of data between AmaTron 4 and agrirouter

The myAmaRouter App enables data to be exchanged between the AmaTron 4 ISOBUS operator terminal and the agrirouter manufacturer-independent data exchange platform. If an AMAZONE machine is to be used to carry out a task with job data (e.g. application maps), the data can be easily transmitted from a Farm Management Information System (FMIS) to AmaTron 4 via agrirouter and the myAmaRouter App. After the work has been completed, the job can be sent back and is available for documentation in an agricultural software application.



The manufacturer-independent agrirouter enables secure and uncomplicated data exchange.

Benefits of agrirouter:

- ✔ Simple data exchange between the AmaTron 4 ISOBUS operator terminal and the manufacturer-independent agrirouter data exchange platform
- ✔ Easy and rapid transfer of job and task data without the need for a USB stick
- ✔ More flexibility in data exchange and documentation

Uncomplicated data transfer. Transparent and secure!

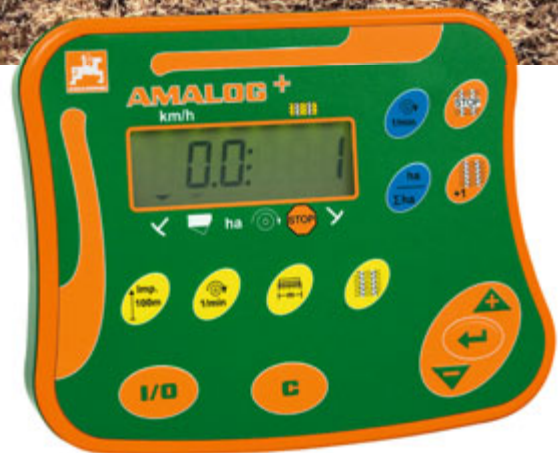


Equipment levels that delight!



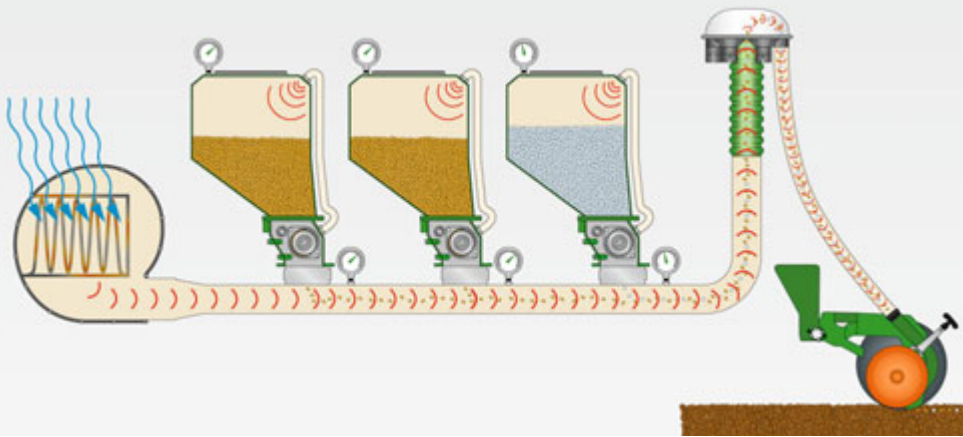
AmaLog⁺ Simple and reliable

AmaLog⁺ is a simple and reliable in-cab control box for your AMAZONE seed drill with mechanical land wheel drive. Operation is possible using non-ISOBUS ready tractors.



Functions of AmaLog⁺

- ✔ Tramline control
- ✔ Pre-emergence markers
- ✔ Fill level monitoring
- ✔ Hectare meter
- ✔ Forward speed readout
- ✔ Monitoring of the fan speed



✔ Air pre-heating of the 3-section pressurised hopper

Air pre-heating: No sticking in wet weather and at high application rates

The high-capacity oil cooler prevents any overheating of the oil circuit. At the same time, the blower fan of the seed drill sucks air for the delivery route through the fins on the cooler. The heated air effectively prevents the sticking of seed and fertiliser at high application rates and in wet weather.

Seed pipe monitoring: Everything under control

Another useful system to assist the driver is the optionally available seed pipe monitoring which immediately detects any blockages at the coulters and in the seed pipe. Sensors directly behind the distributor head monitor the seed flow in the seed pipes. The system automatically detects when the drill is tramlining.



For more efficiency and comfort



Tractor wheel mark eradicators

For the operation on light or unconsolidated soils, and as an option, tractor wheel mark eradicators are available. The wheel marks are loosened and levelled. Hydraulic control enables automatic lowering and lifting on the headland or when folding for transport.





Lights for road travel

The seed drill fulfils all road traffic requirements concerning transport safety with a lighting kit for road transport.

LED work lights

The seed drill is also available with high-performance LED work lights.

The options:

- ✔ Self-contained 2-piece LED work lights with their own power supply and switch
- ✔ Integrated 4-fold LED work lights, controllable via the ISOBUS machine actuation

Filling auger – quick and safe filling

A filling auger is also available as an option for the trailed seed drill. The filling auger allows quick and easy filling directly from a transfer trailer vehicle.



FDC 6000 Fertiliser Delivery Cart

Accurate and reliable application of liquid fertiliser directly when seeding



FDC 6000 with Condor 15001-C seed drill

Amazone offers a practical solution for liquid fertiliser application during seeding in the shape of the FDC 6000 Fertiliser Delivery Cart. This additional pairing, with a tank capacity of 6,000 l, is simply hitched between the tractor and the air seeder.



FDC 6000 with Condor 15001-C seed drill

The best plant growth right from the beginning of the growth phase

The primary areas of application for the FDC Fertiliser Delivery Cart are in arid farming areas, in which the application of granular fertiliser is at its limits. The liquid fertiliser is delivered directly at the sowing coulter as starter fertilisation.

Advantages of liquid fertiliser application:

- ✔ Increase in the plant growth right from the beginning of the growth phase thanks to faster availability
- ✔ Reliable plant growth even at cold temperatures, thanks to better usability
- ✔ Reduction in the plant protection agent usage owing to a decrease in weed pressure
- ✔ Water-conserving, since the fertiliser does not first have to be dissolved to be available to the plants
- ✔ Higher yields thanks to positive seedling development

High level of flexibility

The FDC 6000 Fertiliser Delivery Cart can be used in combination with the Primera DMC seed drills, the Condor or the EDX precision air seeder. A pairing of the FDC Fertiliser Delivery Cart and a seed drill with its own granular fertiliser tank even allows for the application of liquid fertiliser and mineral fertiliser in parallel in a single pass.

The FDC Fertiliser Delivery Cart can be combined with these seed drills:

EDX 9000-TC precision air seeder



Primera DMC direct seed drill



Condor 12001-C/15001-C direct seed drill



FDC 6000
Additional pulling power
requirement of 50 hp



FDC 6000 with 6,000 l tank capacity

Large-capacity liquid fertiliser tank with a tank capacity of 6,000 l – for high output levels

The FDC Fertiliser Delivery Cart consists of two liquid fertiliser tanks, each with a capacity of 3,000 l, and two fresh water tanks with a capacity of 300 l each. At an application rate of 60 l/ha, one tank is sufficient for 100 ha, which corresponds to a complete day shift on large farms. The two liquid fertiliser tanks have as standard fill level indicators so that the driver can always monitor the fill level. All the tanks can be safely accessed from a working platform and have a large tank opening.



Good manoeuvrability on the headland to drive pass-on-pass



Two 300 l fresh water tanks

Chassis and drawbar Simple attachment and removal

The weight is optimally distributed over the ground via the large 800/45/26.5 tyres, so that the soil is protected. Depending on the requirement, the trailed Fertiliser Delivery Cart is attached to the tractor via a lower link cross shaft of Cat. 3, 4 or K700, a drawbar eye or a ball point coupling, and in the same way at the rear, where the trailed seed drill is hitched. The drawbar has additional ballast weights as standard equipment to achieve optimal weight distribution and to improve the traction of the tractor. For easy coupling and uncoupling, the drawbar is equipped as standard with a hydraulic cylinder for aligning the machine, as well as a hose rail.

Technical data:

	FDC 6000
Transport width (mm)	3,270 (with tyres 800/45 26.5) 3,000 (with tyres 700/50 26.5)
Transport height (mm)	2,990
Transport length (mm)	6,150
Tank capacity (l)	6,000
Tank capacity (l) fresh water	600
Additional power requirement (kW/hp)	37/50



Fast filling at 500 l/min.



Easy-to-use control panel on the FDC 6000 for reliable application

Metering: Comfortable & precise

The FDC Fertiliser Delivery Cart is equipped with a speed-related spray fluid pump which allows for very accurate metering of application rates between 40 and 300 l/ha. Accurate control is provided via the AmaSpray+ in-cab terminal. The Fertiliser Delivery Cart is filled by a separate, motor-driven filling pump with a fill rate of 500 l/min.

Easy-to-use control panel with a high level of operating comfort

The liquid circuit is very easily operated using the control panel on the left-hand side of the machine, which is already well-known from the AMAZONE crop protection sprayers. Suction and pressure filters in the liquid circuit remove impurities in the liquid fertiliser and ensure high application reliability.

Placement in the sowing coulters: direct and reliable

The liquid fertiliser is pumped through hoses to the coulters on the seed drill and delivered directly through a special outlet on the sowing coulters. In order to prevent dripping at the headland, each outlet is equipped with its anti-drip diaphragm. Each outlet also has an appropriate metering disc depending on the application rate.

Profitable results in practice

Operational results illustrate the difference. The plant development with the support of AHL liquid fertiliser was clearly better than in the areas without AHL. The bright green colour of the plant is an indicator of good nutrient supply. The plants with AHL fertilisation also show much more advanced plant growth.



Without AHL fertilisation



With AHL fertilisation

Left with AHL fertilisation, right without AHL fertilisation

Simple and easy to pull!

End users pass judgement on the AMAZONE Condor

! “I think that it is one of the best seed drills for our extreme conditions.”

“Last year we achieved approx. 1.6 t/ha on the land that we sowed using the AMAZONE Condor. In areas where we sowed using a different seed drill, with different coulters, the yield was an average of just 800 to 900 kg/ha.” reports Dalel Dzhuzbaev, whose Miras 2000 farm is located in Sadyrbay in Kazakhstan. The farm grows mainly wheat, barley, flax, durum and grass on an area of 20,000 hectares. The farm decided to use the AMAZONE Condor, on account of the very dry local conditions. “We need to conserve our water resources. Our main precipitation is in winter and there is very little rainfall in the summer months. For that reason we chose the tine seed drill.” says Dzhuzbaev. The simplicity of the Condor made for a convincing argument, even for a practical person such as Dalel Dzhuzbaev: “The seed drill is of a simple construction and there are just a few component parts that could fail or shut the machine

down. We haven’t really changed any spare parts over the past year.” Dzhuzbaev is also very happy with the yield per unit area figures: “The sowing speed is also very good. We can cover around 130 hectares in a 10 hour shift. That is very good. But it is not only the output that we like, the Condor also sows the seed at the required depth. We don’t need to be constantly walking the fields checking. Once you have set the coulter and the coulter pressure, the seed drill sows the seed accordingly. The sowing rate is also precisely maintained. The seed rows are easy to see at field emergence after sowing with the Condor. There are fewer gaps when compared with other seed drills. I recommend the seed drill everywhere, even on social media, the seed drill makes a real contribution to an increase in the harvest yield.”



Dalel Dzhuzbaev with his AMAZONE Condor 15001-C on the farm



Very good field emergence under dry conditions

Practical opinion from Dalel Dzhuzbaev
QR code for the video





Even field emergence of the Condor on the fields of Timur Pshenov

! “The machine is a simple construction!”

“We have 15 AMAZONE Condor seed drills, and the daily output per seed drill, in two shifts, is an average of 200 ha. So we cover up to 3,000 ha every day” reports Timur Pshenov, who founded the Kazakhstani farm “En-Dala LLP” in 1996. Starting with an area of 46 hectares, the farm now encompasses 60,000 hectares in the Tselinograd district of Kazakhstan. “The AMAZONE tine seed drill makes a particular impression with its low fuel consumption of approx. 3.7 to 3.8 l/ha. An additional benefit is the required tractor power rating of just 250 hp”, says Timur Pshenov. As a result of the low precipitation in the region, we use the Condor to sow directly into the stubble, mown as tall as possible, without soil tillage. Base fertiliser application is also carried out at the same time. The direct seeding into very tall stubble is intended to enrich the organic mass in the soil in order to increase the water capacity of the soil.

Timur Pshenov explains: “The No. 1 yield factor in our region is the moisture in the soil.” Lots more moisture remains in the soil as a result of the minimal soil movement caused by the Condor. “The seed lies in a sort of depression and is thus less influenced by the wind. This is also an outstanding characteristic.”, according to Timur Pshenov.



Operations manager and founder Timur Pshenov with an AMAZONE Condor 15001-C



A view of the farm showing the machines lined up in a row.

Practical opinion from Timur Pshenov
QR code for the video



Condor with on-board hydraulic system

for Kirovez tractors and more!



Optimised technology for the “Yellow Giants”

For many decades on farms in the CIS states the “Yellow Giants” are the standard tractors for multiple operations on the farm and in the field. AMAZONE offers the possibility to operate ultra-modern sowing technology alongside these available powerful and robust tractors. Measurements prove an effective fuel consumption of 4 l/ha for a K700A combined with a Condor 12 m. This is just 1 l/ha more than is achieved with a modern imported tractor! This eliminates the financial pressure of having to buy a new tractor for the new seed drill.

On-board hydraulic system – ready for every eventuality

As an option, AMAZONE offers an on-board hydraulic system with an oil tank on the seed drill and a separate hydraulic pump, in order to ensure that the oil pressure is sufficiently high and an appropriate amount of oil is available to the hydraulic blower fan when it is used behind tractors with a poor hydraulic capacity. AMAZONE offers a variety of clip-on pumps for a wide range of tractors, meaning that a solution is possible for virtually every tractor.



Technical data:

Condor trailed seed drill

Model	Condor 12001	Condor 15001
Working width (m)	12.00	15.00
Transport width (m)	3.00	3.00
Transport height (m)	3.95	3.95
Operational speed (km/h)	8 – 10	8 – 10
Average work rates (ha/h)	8 – 9	8 – 12
Pulling power from (kW/hp)	160/218	200/272
Seed hopper capacity (l)	5,000	5,000
Fertiliser hopper capacity (l)	3,000	3,000
Linkage	Cat. 3, Cat. 4 or Cat. K700 lower link	Cat. 3, Cat. 4 or Cat. K700 lower link
Weight (kg)	9,500	10,500
Row spacing (cm)	25 / 33.3	25 / 31.3

Illustrations, content and technical data are not binding and may differ depending on the level of equipment. Country-specific road traffic regulations apply and must be complied with, meaning that special approval may be required. The permissible axle loads and total weights of the tractor should be checked. Not all the listed combination options are possible with all tractor manufacturers.



Condor 12001-C



AMAZONE



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