



AMAZONE

Trailed sprayers ***UX Super***



UX Super trailed sprayer

Our competence is your success



- ✓ On request, all new AMAZONE sprayers can be provided with an official sprayer proficiency certificate. The proficiency certificate meets current EU regulations according to EN ISO 16122, which is, for European member states, supported also with the CEMA label.

The UX Super trailed sprayer with tank capacities of 4,200 l, 5,200 l, 6,200 l, and 11,200 l is characterised particularly by the extremely comfortable handling concept. The Super-L2 and Super-L3 sprayer booms, in widths from 21 to 40 m, impress with their first-class boom guidance. Thanks to the level of high-performance equipment offered, the UX Super trailed sprayer ensures maximum efficiency at an unprecedented output.



UX

efficient – precise – comfortable

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❶ "Spraying in the Champions League"
("profi" - "Practice test Amazone UX 4201 Super" 02/2020)



Interactive driver training
www.amazone.net/smartlearning

UX Super

The precision machine

Tandem pump system with a capacity of

520 and 700 l/min

Super-L2 Super-L3

sprayer boom in a lightweight design

with boom widths of

21 to 40 m



The advantages at a glance:

- ⊕ Low transport height and compact transport dimensions through an innovative tank and boom design
- ⊕ Light, compact, easily manoeuvrable – compact design and axle steering up to a steering angle of 28°
- ⊕ Dustproof storage compartments on the left and right hand side
- ⊕ SmartCenter: Tailored operating solutions – from the intuitively-operated Standard-Pack to the Comfort-Pack plus with a pressure sensitive touch screen. Anything is possible!
- ⊕ High-capacity, self-priming, low maintenance piston diaphragm pumps with a delivery capacity up to 700 l ensure high application rates even at high spray pressures
- ⊕ DistanceControl fully automatic boom guidance
- ⊕ **For difficult terrain conditions:**
 - ContourControl active boom guidance for optimum vertical boom guidance
 - SwingStop active boom tip swing compensation reduces horizontal boom movement
- ⊕ DUS and DUS pro pressure recirculation systems for a continuous circulation of the spray liquid
- ⊕ 50 cm part-width sections, 25 cm nozzle spacing and optimum nozzle choice thanks to the AmaSwitch and AmaSelect electric single nozzle control
- ⊕ Automatic cleaning programme for perfect cleaning results under all conditions

Spray agent tank from

4,200 to 11,200 litres



28°

Axle steering
steering angle

UX 5201 Super
with AutoTrail axle steering

The models

Model	Working width	Nominal volume	Pump capacity
UX 4201 Super	21 – 40 m	4,200 l	520 l/min (2 x 260 l/min)
UX 5201 Super	21 – 40 m	5,200 l	520 l/min (2 x 260 l/min)
UX 6201 Super	21 – 40 m	6,200 l	520 l/min (2 x 260 l/min)
UX 11201 Super	24 – 40 m	11,200 l	700 l/min (2 x 350 l/min)

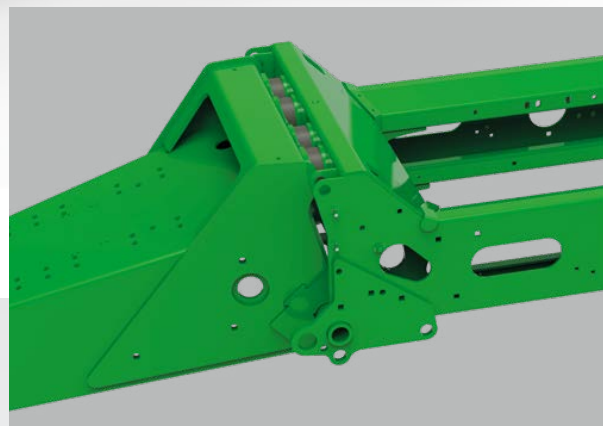


MORE INFORMATION
www.amazone.net/ux-super

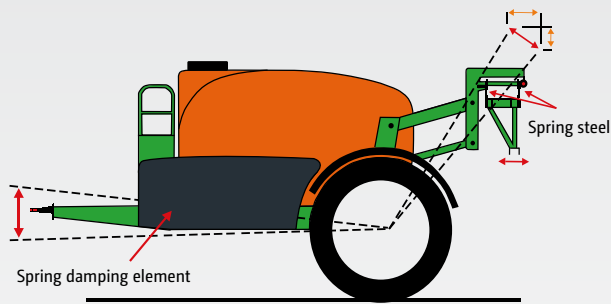
Perfect down to the last detail

The frame – strong and yet elastic!

The wide profile steel frame, made from torsion resistant steel, compact tank design and the well-engineered boom technology provide the utmost in robustness.



Spring damping element between the drawbar and the frame



Drawbar damping – For protection of the booms

All drawbars are provided with the drawbar shock absorbance system, an important design element in the UX. Minimising the to and fro movements between frame and drawbar it also protects the booms and prevents any rocking movement of the tractor keeping the operator comfortable.

Towing eyes

The UX trailed sprayer offers the facility for fitting a drawbar to the rear. The max. towing capacity is 12 t.

Linking to the tractor – Just as you like it!

No matter whether using a rigid hitch drawbar with ball coupling or the classic towing eye, AMAZONE always offers the right solution for your tractor. Make a choice between top or lower mounting, between 40 mm or 50 mm diameter towing eyes, or the K 80 ball coupling.

Hydraulic parking jack

A height adjustable jack is integrated in the frame and with its convenient optional hydraulic height adjustment makes coupling to the tractor quick and easy.



Top mounted drawbar with towing eye and hydraulic parking jack



Lower mounted drawbar with towing eye and mechanical parking jack

Discover the possibilities



The AutoTrail axle steering in operation



Rigid axle with track widths of 1.50 m to 2.25 m



Adjustable axle with stepless track width adjustment from 1.50 m to 2.25 m

Axles and brakes – Safety first!

The variety of axles offer the right solution for every requirement.

The benefits:

- ✔ Tyre sizes up to 520/85 R46 (2.05 m diameter) possible
- ✔ Ground clearance up to 82 cm
- ✔ Permissible speeds of up to 60 km/h with the ALB system (automatic load dependent braking)

The options:

- ✔ Fixed axles with track widths from 1.50 to 2.25 m – two track widths are possible by reversing the wheels.
- ✔ Adjustable axle with stepless track width adjustment from 1.50 m to 2.25 m for the UX 4201 Super
- ✔ Hydro-pneumatic axle suspension with patented roll stabilisation for the UX 4201 Super and the UX 5201 Super
- ✔ AutoTrail axle steering with control via the multi-function joystick



Hydro-pneumatic axle suspension with AutoTrail axle steering



AutoTrail axle steering

Steering systems for every application

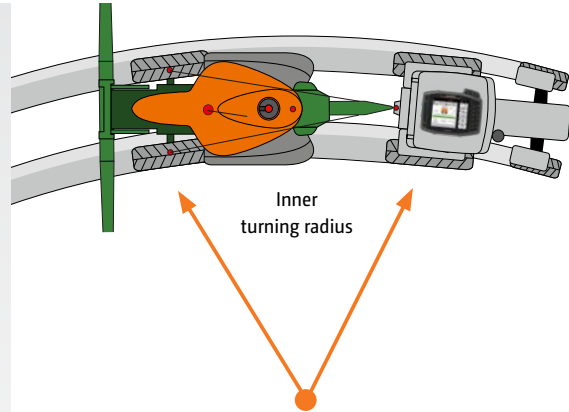
Always remain on track!



The AutoTrail axle steering in operation



The AutoTrail axle steering



AutoTrail axle steering with rigid straight drawbar or rigid hitch drawbar in the field.

AutoTrail axle steering

The optional AutoTrail axle steering provides the driver with the utmost comfort and ensures an especially smooth boom ride and high stability. The track-following capability, particularly when in the reversing position, is outstanding. This steering of the axle is also possible in the folded-in position.

❗ “When the wheels are turned in the field, hardly any steering forces are transferred to the booms. Therefore the steering is continuously active in the field – even in straight wheel tracks. Then if the tractor steers, the wheels of the sprayer are immediately also steered. How smoothly this happens we were able to see during operation. It didn’t matter whether we drove fast or slowly, nothing wobbled on the boom when turning.”

(“dlz agrarmagazin” – Test report “Safe in the track”. 06/2011)

Clever AutoTrail steering

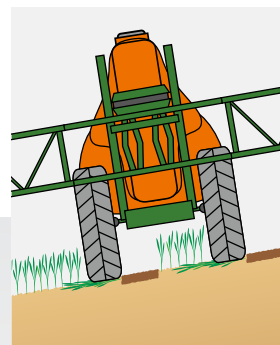
AutoTrail steering ensures an intelligent, track-true steering behaviour and can be easily calibrated for any tractor type. The AutoTrail steering systems can be activated at any time and can be oversteered using manual readjustment on slopes. Especially helpful in narrow field entrances is, with the Auto-Trail steering, the ability to activate the steering even with the booms folded.

Slope compensation for AutoTrail steering

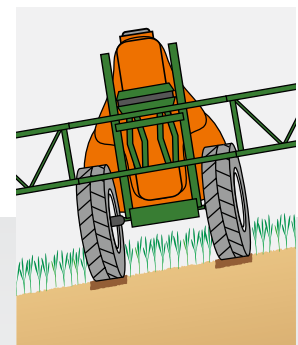
AutoTrail steering on the UX Super is fitted with fully automatic slope compensation as standard. As the steering angle, depending on severity of the terrain, has to be possibly adjusted, the intensity of the setting can be altered at any time via the joystick.



✔ With steering angles of 28°, the steering axles also master tight bends with ease.



Slippage downhill with the slope compensation deactivated



Activated slope compensation of the AutoTrail steering

The tandem chassis of the UX 11201 Super

Maximum effectiveness, accuracy and operating comfort



The UX 11201 Super – efficient and reliable.



The hydro-pneumatic chassis of the UX 11201 Super provides perfect driving comfort and ensures maximum area coverage



✔ Fast on the road at up to 60 km/h

Perfect driving comfort due to level regulated, hydro-pneumatic axle suspension.

Hydro-pneumatic chassis – high-performance in the field and on the road

The hydro-pneumatic suspended chassis, in combination with the sprung drawbar, provide perfect driver comfort. The BPW axle assemblies, with standard fill level regulation, continuously adapt to the load conditions. The sprung drawbar has a high support load of 3 t and, in combination with the ball coupling (K80), facilitates strong traction by the tractor and smooth running of the machine. The machine has high rolling stability since the suspension cylinders are connected crosswise. The enclosed hydraulic system always ensures an equal load distribution to all 4 wheels. Possible track widths range between 2.00 and 2.25 m, and the wheel diameter can be up to 1.95 m.

Traction control

The UX 11201 Super excels in difficult hilly terrain: traction control of the hydro-pneumatic axle suspension facilitates a temporary increase of the support load on the drawbar from 3 to 4 t when the machine is full. If the machine is partially full, the support load is increased by up to 30 %.



Increasing the support load

Optimised driving behaviour

Perfect steering on the UX 11201 Super



✓ DoubleTrail axle-steering

- active electronic positive steering
- excellent track-following with little track damage in the field
- easy manoeuvrability due to the active intelligent rear axle
- smooth, cushioned boom guidance at all times



SingleTrail passive steering

The chassis of the UX 11201 Super has passive rear axle steering as standard for good handling and reduced track damage. The SingleTrail passive steering has a rigid front axle and a steered, passively trailing second axle, which results in good handling without skidding the wheels.


When reversing, the second axle has to be locked. In road transport it should also be locked as well. In tight turns and slow travel, the axle can be unlocked.

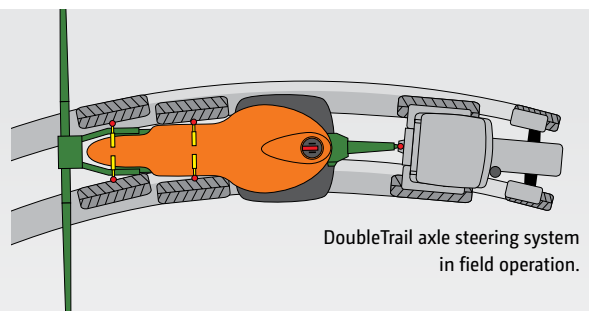
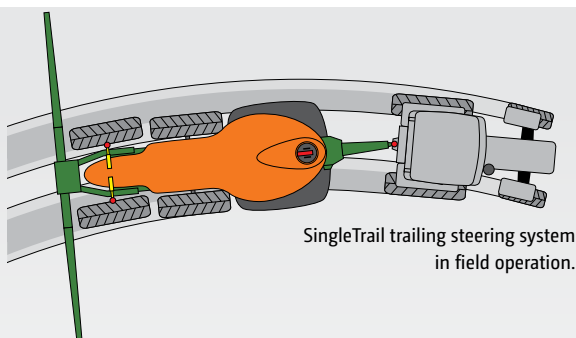


DoubleTrail – fully automatic axle pivot steering

The UX 11201 Super can also be equipped with the electronically-controlled DoubleTrail axle steering system as an option. This electronic positive steering of both axles is particularly important for row crops, such as potatoes, beet and small field sizes, in order to avoid track damage.

The first axle now truly follows the tracks of the tractor's rear wheels; the second axle follows the track of the tractor's front wheels. A high level of directional stability with respect to the tractor is achieved and, more importantly, the sprayer boom is not negatively affected by the steering movements. During road transport, the first axle is locked and the second axle is actively steered by the system.

-  **DoubleTrail system**
 An additional K50 ball is required for the positive steering of the DoubleTrail system.

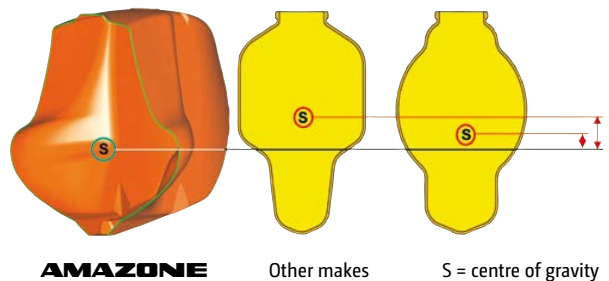


light – compact – easily manoeuvrable



Low centre of gravity

The design of the UX tanks along with the compact AMAZONE booms ensure a low centre of gravity and very compact transport dimensions. In addition, the booms, even when folded, are optimally protected in transport via the sprung parallelogram boom frame.



Benefits of the tank design

- ✔ Easy cleaning of the spray agent tank
- ✔ Very low residual spray volumes
- ✔ Low transport height



Tank on the UX 5201 Super

Tank on the UX 4201 Super, UX 5201 Super and UX 6201 Super

The compact spray agent tank, which is made from polyethylene, is especially secure, light and long lasting. The absolutely smooth inner and outer walls with rounded corners and no crannies allow quick and easy cleaning. Residual spray volumes are kept at a minimum due to the specific shape of the tank sump. The UX Super trailed sprayers are equipped with a 580 litre fresh water tank.

Cleaning systems

Three high-performance, rotating nozzles clean the spray agent tank internally. Short pipe runs and hose cross-sectional areas as small as possible make for low residual volumes.

Exceptional internal sprayer cleaning with the XtremeClean intensive cleaner

The intensive cleaning system consists of four spot jet nozzles which have been fitted on to an electrically rotating nozzle head. These high-pressure nozzles are guided positively round via an electric motor and, via the spot jets, systematically treat the total internal wall area of the tank. The high impact energy of this jet reliably loosens any spray deposits – even without the use of chemical cleaning additives.

- ✔ Available as an option for the UX 4201 Super, UX 5201 Super and UX 6201 Super

Tank on the UX 11201 Super

The GRP spray agent tank has a low centre of gravity and compact dimensions. Due to the optimised geometry, residual spray volumes of less than 20 litres are left when empty. The smooth inside walls of the tank facilitate fast and easy cleaning. The two fresh water tanks, with a nominal capacity of 900 litres in total, are located, centre of gravity neutral, between the mudguards.

Stepless hydraulic main agitator

The intensity of the hydraulic agitator can be steplessly reduced down to nothing in order to avoid any foaming of the crop protection agent or to facilitate spraying out the remaining tank contents.



High performing and efficient



UX 5201 Super
trailed sprayer

As standard, drive of the tandem pump system is carried out either via a wide angle PTO shaft or, as an option, via the hydraulic pump drive. The hydraulic pump drive works independently of the engine revs at a constant, smooth speed.





The tandem pump system of the UX 4201 Super, UX 5201 Super and UX 6201 Super provides suction capacities of up to 700 l/min

Tandem pump system – high-performance and reliability

The UX Super is equipped with a low-maintenance tandem pump system. While one pump supplies the boom and the secondary agitator during spraying, the other pump vigorously agitates the tank contents via the main agitator. During the filling procedure at a nominal pump speed, the full pump capacity is available for filling the spray agent tank. At the same time, either the contents of the induction bowl can be drawn out via the venturi or the total fill capacity can be increased up to 900 l/min.

High application rates thanks to HighFlow⁺

The UX Super's intelligent control technology enables both pumps to be used for spraying while maintaining a high agitation capacity. If the usual maximum of 200 l/min at the spray line is not enough, the liquid flow created by the agitator pump is also automatically used in conjunction with the HighFlow⁺ option as and when required until the desired application rate is reached. The remaining capacity of the agitator pump continues to be used for agitating the liquid in the spray agent tank.

HighFlow⁺ equipment pack with a second pressure filter, additional flow measuring device and changed spray liquid routing

- 1) Second pressure filter
- 2) Drain tap for pressure filter



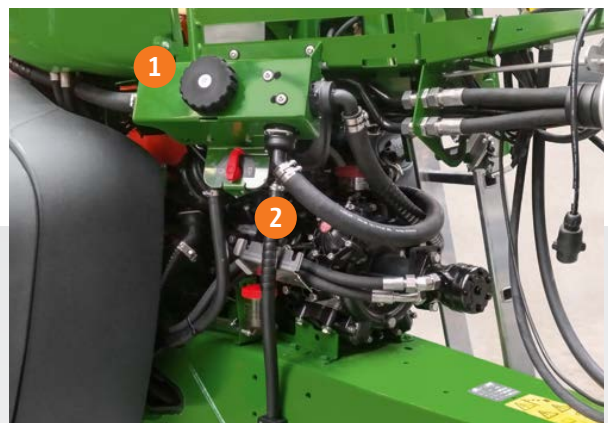
The tandem pump system on the UX 11201 Super provides suction capacities of up to 900 l/min

Benefits of a piston diaphragm pump:

- ✔ Simple handling due to its self-priming capability at the start of the filling procedure
- ✔ Very high, consistent application rates with system pressures of up to 10 bar
- ✔ Can run dry and is liquid-fertiliser proof
- ✔ Long service life

Model	Pump capacity	Max. suction capacity
UX 4201 Super	520 l/min (2 x 260 l/min)	700 l/min
UX 5201 Super	520 l/min (2 x 260 l/min)	700 l/min
UX 6201 Super	520 l/min (2 x 260 l/min)	700 l/min
UX 11201 Super	700 l/min (2 x 350 l/min)	900 l/min

All components of the HighFlow⁺ system are completely integrated into the cleaning cycle of the UX Super.



SmartCenter

The right solution for any application



✔ SmartCenter with Comfort-Pack plus and LED lighting, safely protected under the cover



SmartCenter centralised operator station – including the induction bowl

The SmartCenter centralised operator station means that operation has never been so easy and comfortable. The SmartCenter with the induction bowl and the complete operator station including filling connections for suction and pressure filling are conveniently located centrally at the front and protected by the left-hand cover. The hood prevents dirt ingress and provides easy accessibility.

Advantages of the SmartCenter:

- ✔ 2 dustproof storage compartments on the left-hand side – for added space and tidiness
- ✔ 240 l lockable dustproof storage compartment with a removable intermediate shelf on the right-hand side



- ❗ "The huge storage compartment on the right is dustproof and even illuminated as an option - excellent!"
("profi" - "Practice test Amazone UX 4201 Super" 02/2020)

All the equipment is designed for simple operation and maximum comfort

With its centralised SmartCenter operator station, the UX Super ensures that highly comfortable handling. Three operating concepts are available.

The options:

- ✔ Standard-Pack
- ✔ Comfort-Pack
- ✔ Comfort-Pack plus

- ✔ High-performance 60 litre induction bowl
- ✔ Optional LED lighting



- ❗ "The induction bowl has an enormous suction capacity and the filling speed is an impressive 705 l/min using the tandem pump and venturi. "
("profi" - "Practice test Amazone UX 4201 Super" 02/2020)



The operational elements for Standard-Pack on the UX Super

- | | |
|--|---|
| 1) Induction bowl | 5) Control tap for agitator |
| 2) Control tap for pressure / 7-way pressure tap | 6) Control tap for suction valve |
| 3) Control tap for venturi | 7) Control tap for fill port for spray agent tank |
| 4) Control tap for cleaning | 8) Control tap for fill port for fresh water tank |

SmartCenter with Standard-Pack – Simple and intuitive operation

With the Standard-Pack the operation of the UX Super is carried out mainly via a suction tap and a pressure tap. The suction tap indicates from where the pump is going to draw from and correspondingly, the pressure tap indicates as to where the spray liquid will be pushed.

The benefits:

- ✔ Easy access to the suction filter and the self-cleaning pressure filter
- ✔ Self-explanatory operator controls ensure safe handling
- ✔ Short fill times due to the high-performance 60 l induction bowl with a suction capacity of up to 200 l/min.
- ✔ Homogeneous spray agent mixture thanks to the standard mixing nozzle in the bottom of the induction bowl
- ✔ 7-way pressure tap with cam and seat valve technology provides simple operation and a reliable filling procedure



7-way pressure tap – safe switching with cam and seat valves

All sprayers with the Standard-Pack and Comfort-Pack are equipped with the particularly practical 7-way pressure valve. As oppose to a normal pressure tap, the in-house developed valve from AMAZONE consists of a cam and seat valves. Exclusively by swivelling in and out the handle on the pressure tap, the relevant liquid paths are reliably opened or closed.



The operational elements for Comfort-Pack on the UX Super

- | | |
|--|-----------------------------|
| 1) Induction bowl | 4) TwinTerminal 3.0 |
| 2) Control tap for pressure / 7-way pressure tap | 5) Control tap for cleaning |
| 3) Control tap for injector | 6) Display of suction chest |

SmartCenter with Comfort-Pack – actuation made easy

In conjunction with Comfort-Pack, the TwinTerminal 3.0 is also utilised. In addition, automatic fill stop for the suction fill is also included. As an option, fill stop is also available when pressure filling from a bowser. During application, the intensity of the agitation is regulated depending on the tank fill level. As the fill level decreases, the agitation capacity is automatically reduced down until it is completely switched off preventing the formation of foam at a low fill level. In addition, the automatic agitation regulation offers auto-dynamic agitator control. This means: the auxiliary agitator is closed when a higher application rate is required at the boom.

After the spraying operation is finished, Comfort-Pack provides fully automatic cleaning which can be controlled completely remotely from the tractor cab. Additional functions such as boom rinsing, cleaning the spray liquid circuit against heavy deposits or a defined dilution of the tank mix in the field are also included within Comfort-Pack.



TwinTerminal 3.0

The benefits:

- ✔ Operator-friendly TwinTerminal 3.0 for suction valve control
- ✔ No foaming of the spray agent due to the automatic fill-level dependent control and switching off of the agitator
- ✔ Always maximum capacity when spraying and agitating thanks to the auto-dynamic agitator control
- ✔ Comfortable filling of the spray agent and fresh water tanks via the automatic fill stop
- ✔ Remote-controlled, automatic cleaning programmes for the complete sprayer wash-out

SmartCenter with Comfort-Pack plus

Operation with maximum comfort



- ❗ "With very clear graphics for the tank, connections and liquid circuits, the operator is guided through the filling menus for the fresh water tank, spray agent tank and induction bowl – unique"

("profi" – Test report Amazone UX 5201 Super - 10/2017)

- ❗ "Ingenious is– even with gloves (!) – the handling of the touch display."

("profi" – Test report Amazone UX 5201 Super - 10/2017)



- ❗ "No matter, whether it's the pre-programmed 'fill profiles' or the automatic cleaning regime including the induction bowl – these things are unparalleled"
- ("profi" – Test report Amazone UX 5201 Super - 10/2017)

Operator terminal with pressure-sensitive touchscreen

Handling of the UX Super is made especially comfortable by Comfort-Pack plus. Instead of the operating taps, an operating terminal with touchscreen makes machine operation much easier. The complete control of the spray agent circuit is carried out solely via the pressure-sensitive touch screen which functions perfectly even when wearing gloves. The user just selects the desired function and the sprayer adjusts itself automatically! In the job computer, two individual filling profiles for different operators or applications can be stored. For filling then just the hose has to be coupled and the machine automatically fills the spray agent tank and fresh water rinse tank up to the desired tank fill level. As an option, the operator can select individually an adjustable pause in the filling of the spray agent tank.

Automatic and independent cleaning

The complete sprayer along with the induction bowl can be cleaned fully automatically. For this purpose, the UX Super with the Comfort-Pack plus is equipped with the following cleaning programmes: intensive clean, quick clean and boom rinsing. In addition, after every filling procedure, the induction bowl can rinse itself on its own.

- ❗ "The press of a button starts the complete cleaning programme running where, not only are all the taps switched, but also the induction pipework and induction port are cleaned – very good!"

("profi" – Test report Amazone UX 5201 Super - 10/2017)

Fresh water pump – Continuous internal cleaning

In conjunction with Comfort-Pack plus and a load-sensing system, an optional 160 l/min capacity fresh water pump is available. This can be used to supply the induction bowl with fresh water from the fresh water tank during bowser filling. If a fresh water pump is specified, the fresh water

tank and the spray agent tank can be filled in parallel via the suction hose. The additional fresh water pump also allows the constant cleaning of the UX Super.


The benefits:


- ✔ Simple operation: choose the function and the machine adjusts everything fully automatically
- ✔ Maximum comfort: automatic filling and automatic fill stop for both suction and bowser filling
- ✔ Maximum safety: fully automatic cleaning of the entire machine including induction bowl
- ✔ Maximum capacity: automatic quick fill via the venturi when the chemical induction is completed
- ✔ Auto-dynamic agitation control

Operating options at a glance


		Standard-Pack *	Comfort-Pack	Comfort-Pack plus *
Operation: suction side	Manually-actuated		—	—
	Electrically-actuated via TwinTerminal 3.0	—		—
	Electrically-actuated via the pressure-sensitive Terminal 7.0	—	—	
Operation: pressure side	7-way pressure tap			—
	Electrically-actuated via the 7" pressure sensitive touchscreen terminal	—	—	
Bowser filling	- fresh water tank with Geka coupling			
	- with non-return valve			
	- free-flow return (from above into the tank with lid opened)			
	- automatic fill stop for the spray agent tank and the fresh water tank	—		
Functions suction valve	Drawing in via the suction port			
	- automatic fill stop for suction port			
	Drawing in via spray agent tank / fresh water tank			
	Dry coupling connection port			
Functions pressure valve	Filling the spray agent tank & drawing out of the induction bowl via the venturi			
	Liquid from the induction bowl (rinse ring, high-pressure nozzle, jet nozzle, hand lance)			
	Forced emptying			
	Internal cleaning			
	External cleaning with fresh water			
	Spraying			
	Filling of fresh water tank			
	- with automatic fill stop	—	—	
		—	—	
Additional functions	Automatic cleaning of the induction bowl	—	—	
	2 individually programmable filling profiles	—	—	
	Adjustable filling and foam damping function	—	—	
	Electric emptying of spray lines and filters	—	—	
	Capacity increase for canister cleaning	—	—	
	Fresh water pump with continuous internal cleaning	—	—	
Agitator	Manually-adjustable agitation level		—	—
	Fill level dependent agitator output	—		
Cleaning	Manually-actuated cleaning		—	—
	Remote cleaning control from the tractor terminal	—		
	XtremeClean	—		
Other	HighFlow ⁺	—		


* = not for UX 11201 Super


 = included

 = optional

— = not possible


 Standard-Pack

 Comfort-Pack

 Comfort-Pack plus

The induction bowl

Perfect operator comfort via the simple and centralised controls



- ✔ The spray lance, included in the standard execution, is positioned to the right hand side of the induction bowl.

High performing and efficient

The induction bowl is located directly in front of the control panel and holds 60 l. The conical form of the bowl with cen-

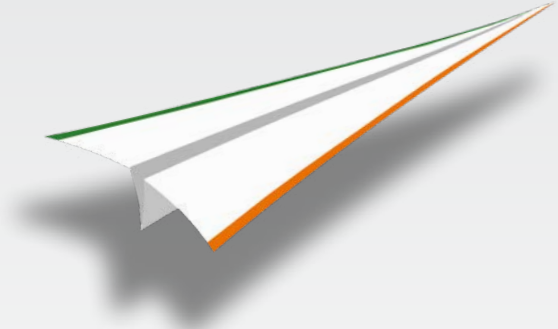
tral outlet and an enormous suction rate of up to 200 l/min ensures fast and flawless filling and complete emptying.

Advantages of the induction bowl:

- ✔ Suction rate of up to 200 l/min – for fast and trouble-free filling and complete emptying
 - ✔ Infinitely variable mixing nozzle – prevents any clogging of powdery and granular spray agents
 - ✔ Infinitely variable high-capacity rinse ring
 - ✔ The induction bowl can also be supplied with fresh water via an optional fresh water pump even when pressure filling from a bowser
 - ✔ Dust- and leak-proof induction bowl lid as a practical storage option with integrated drain-off device
 - ✔ Canister rinse nozzle with practical pressure plate for cleaning the measuring jug and canisters
 - ✔ Small contact area on the canister rinse nozzle where the nozzle can be activated for cleaning the canister neck
- ❗ "Also other little details help during the cleaning procedure, such as the possibility to be able to flush the induction bowl with fresh water when pressure filling."
("profi" – Test report Amazone UX 5201 Super - 10/2017)
- ❗ "The robust lid not only serves as a storage area for the measuring jug or as a shelf for Bitter salt bags, but also features supports to enable the rinsed canisters to drain – exemplary"
("profi" – Test report Amazone UX 5201 Super - 10/2017)



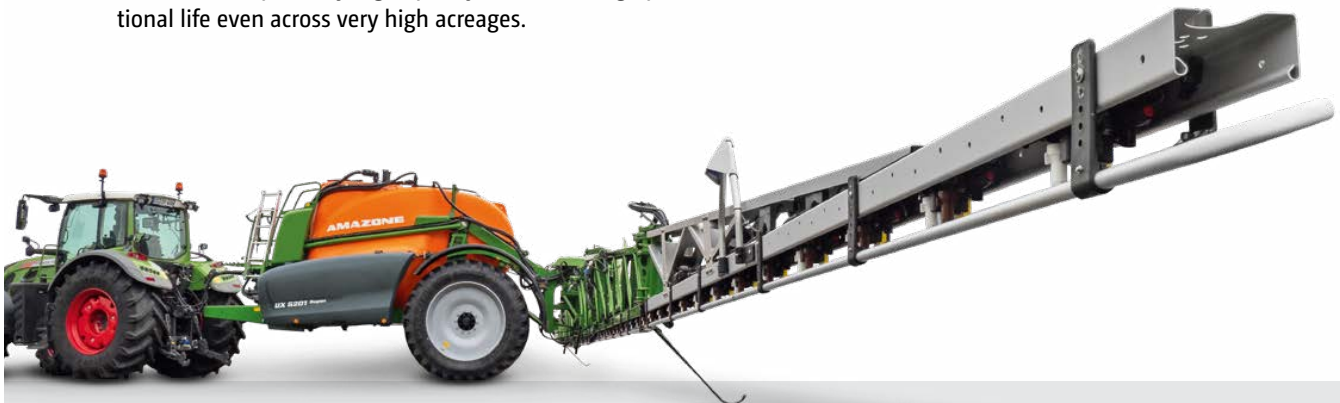
Booms in an aircraft wing design



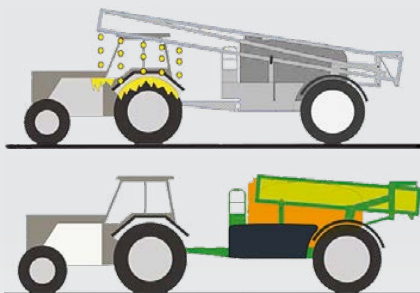
Both superbly robust and superbly light

Thanks to the special profile design AMAZONE booms are at the same time superbly light and superbly strong. The boom working widths from 21 to 40 metres allow the optimised matching of the sprayer to the structure of the farm. The exceptionally high-quality ensures a long operational life even across very high acreages.

The compact transport dimensions with transport widths of 2.40 m to 2.85 m also contribute to the safe transport on the road.

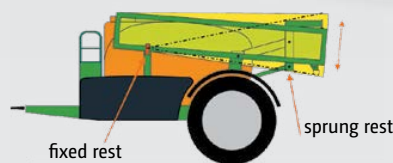


AMAZONE booms



- ✓ No spray agent from the booms drips on to the tractor. The booms also do not hit the tractor cab.

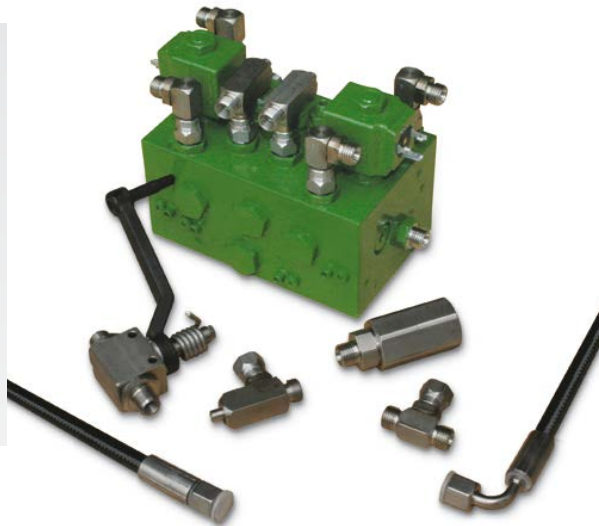
Sprung damping of the boom during transport



- ✓ Everything shipshape: The boom is located safely without movement in its transport position. The parallelogram suspension dampens shock loads in the field as well as in the transport position. This is pure comfort and, above all, ensures the long service life of the boom.



- ✓ Focusing on the essentials: the road in front of you
You can concentrate entirely on driving. The visibility in road transport is exemplary. Where the tractor can get through then the trailed sprayer can also pass. No protruding parts, no boom damage.



- ✔ The hydraulic fittings made from stainless steel ensure a long service life and a high resale value.

Maintenance-free and with a long service life

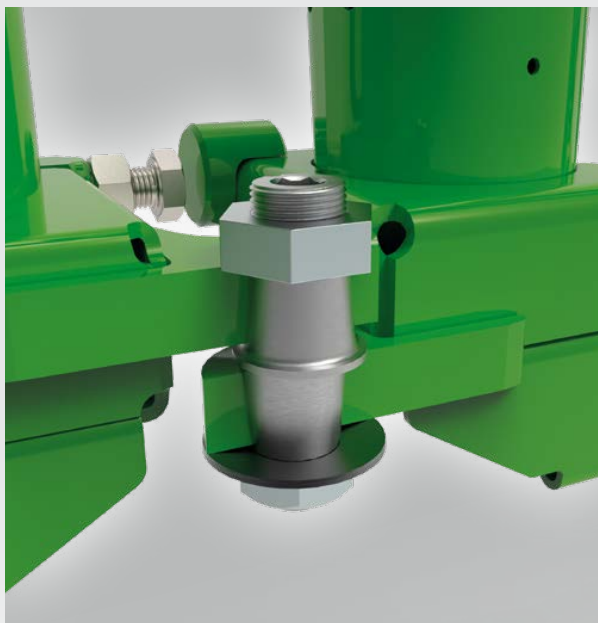
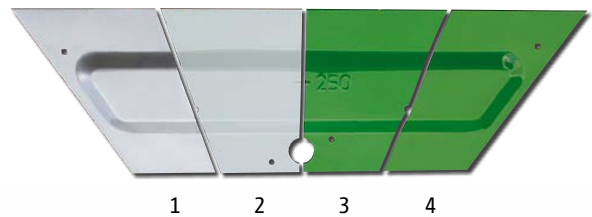
The decades of experience in boom design pay off: The conical hinge pin is the intelligent centre of a well thought-out boom philosophy! The boom pivots self-adjust against any play on the conical hinge pins and that ensures, for the end user, an optimised boom function even after many years.

The standard use of stainless steel, the automotive-industry standard, cathodic dip painting process and the targeted use of plastics and aluminium are the perfect guarantee of a long service life.

High-quality, multi-layer paint

A high-quality multi-layer paint finish guarantees top quality that lasts

- 1) Sheet steel
- 2) Zinc phosphate (galvanising layer)
- 3) CDP priming
- 4) Top coat



- ✔ A pivot joint that lasts!



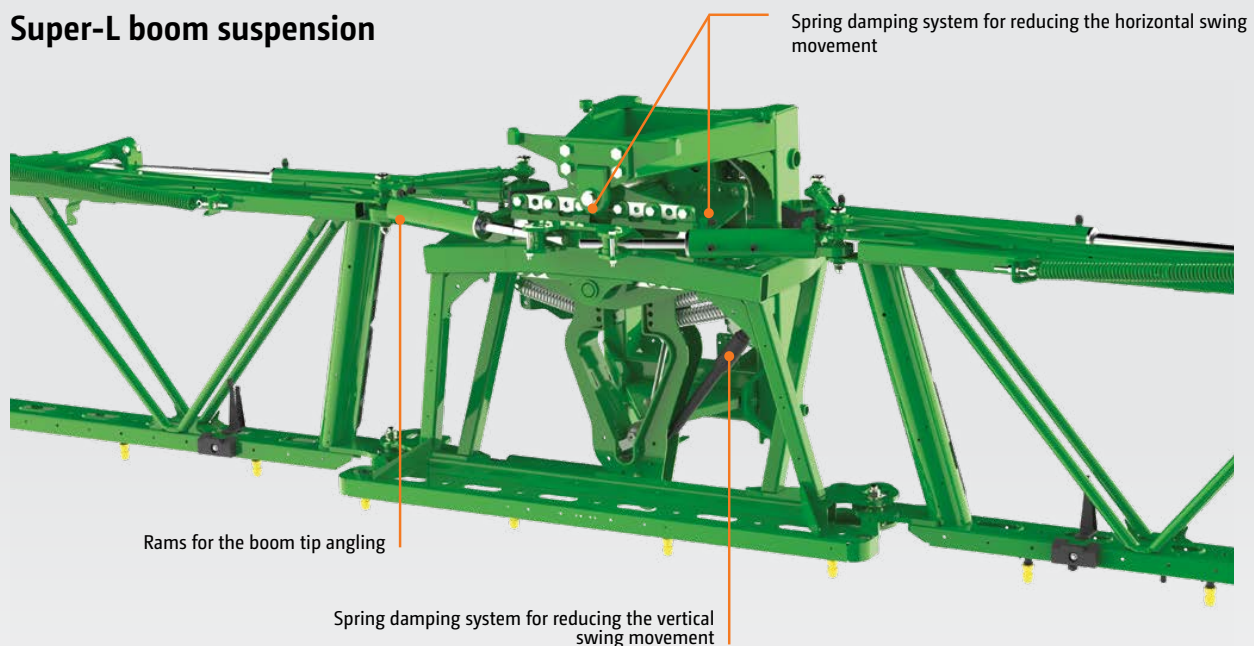
- ✔ The stable, spacious platform ensures convenient, safe access

Super-L booms

super-stable, super-light and super-compact



Super-L boom suspension





UX 11201 Super with 36 m Super-L3 boom

The 4-fold damped Super-L booms – smooth-travelling and precise application as standard

Boom guidance of the Super-L boom is optimised by the central pendulum suspension. In addition, the combined spring and damping elements provide an enormous reduction in any potential vertical movement. Also the horizontal pivoting movements are kept at a minimum by the integrated damping system so that, for all AMAZONE booms, optimum work results are achieved.

❗ "In the premier league: The Amazone UX 4201 Super with Con-tourControl is top of the class in terms of handling and boom guidance".

("profi" - "Practice test Amazone UX 4201 Super" 02/2020)

The benefits:

- ✔ a particularly long central pendulum system means easy parallel guidance of very wide booms
- ✔ combined spring and damping elements for shock-dampening the suspension against vertical forces,
- ✔ integrated damping system consisting of braking plates and buffer blocks to damp down the horizontal yaw movement
- ✔ Leaf springs absorb the movements in the driving direction (from 39 m boom width)



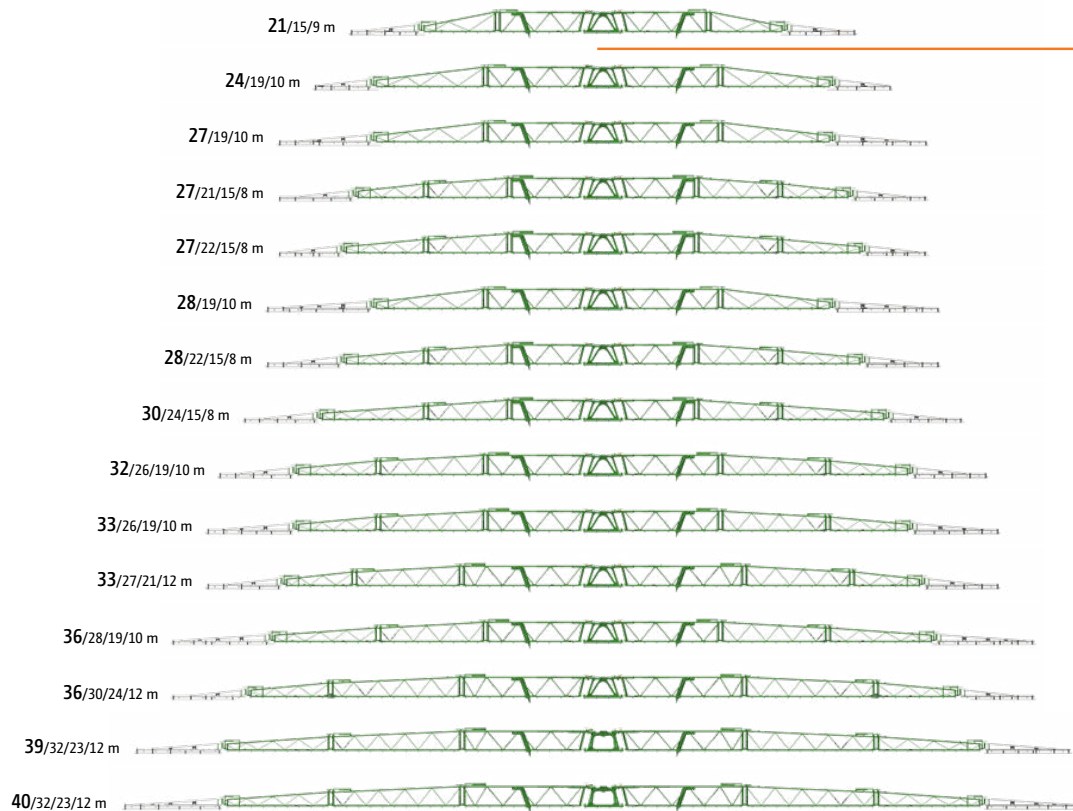


39 m Super-L2 boom

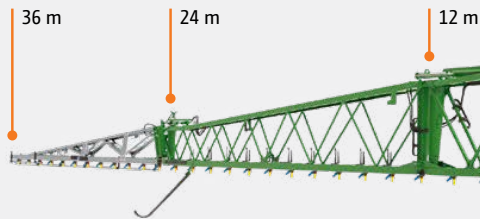
Super-L2 boom in working widths from 21 to 40 metres

Superbly narrow transport width of just 2.40 m on all three-fold Super-L2 booms in boom widths of 21, 24, 27 and 28 m. Amazing transport width of only 2.60 m on all four-fold Super-L2 booms in boom widths of 27, 28, 30, 32, 33, 36, 39 and 40 m (UX 6201: 2.80m).

Potential folding widths of the Super-L2 boom



For the UX 4201 Super, UX 5201 Super and UX 6201 Super
For the UX 11201 Super



36 m Super-L3 boom, usable at both 24 m and 12 m as well

Super-L3 boom in 36 m working width

The Super-L3 boom supplements the 36 m working width Super-L2. The outer and middle boom sections each have a length of 6 m, so that the Super-L3 boom is made up of only 3 sections each side. This makes it possible to use the 36 m Super-L3 boom also at a reduced working width of either 24 m or 12 m. The end boom sections come fully constructed in aluminium with additional bracing bars. This ensures very high robustness yet with a very low weight.



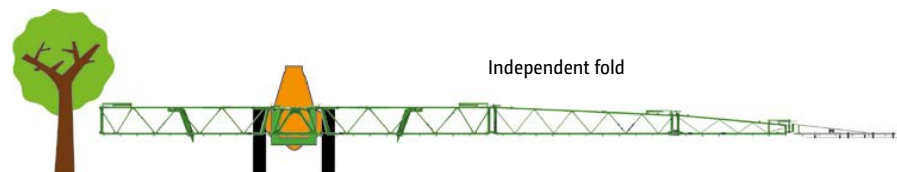
The hydraulically pressurised back brake system on the boom end which works just like the saloon door principle and can cope with obstacles from the back, front or from the top and ensures a reliable return to the working position and a long service life.

Working widths of the Super-L3 boom

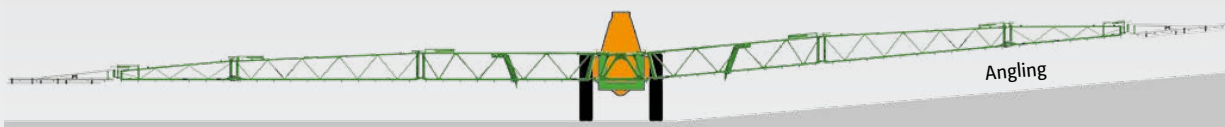
36/24/12 m



The outstanding made easy



One-sided independent fold (via Profi-fold 1 or Flex-fold)



Angling (via Flex-fold 2)

- ❗ "To speed up the folding procedure, AMAZONE has replaced the simple sequence control by a sensor controlled process. With this we clocked a quick 19 seconds for folding out and 27 seconds for folding in – great!"

("profi" – Test report Amazone UX 5201 Super - 10/2017)



Profi-fold

All the hydraulic functions can be carried out safely and simply via the ISOBUS terminal in the tractor cab. The multi-function joystick makes handling particularly comfortable.

Flex-folding

AMAZONE offers two electro-hydraulically boom folding options, Flex-fold 1 and Flex-fold 2. Each boom folding joint is equipped with an electro-hydraulic valve block that is directly controlled by the machine software. This enables faster folding procedures. As soon as the first boom section is folded in or out by approximately 70%, the next section automatically starts to fold in or out.

Individual user profiles for reduced working widths

Via the user profiles in the machine software, individual profiles that recognise a reduced working width can be stored. If, for instance, it is intended to fold out a 36/30/24 m boom to just 30 m, this can be carried out quickly and simply via a profile change. After folding out just the relevant sections, the active working width is automatically detected and the outer nozzles are automatically deactivated via AmaSwitch or AmaSelect. For section control, the working width is automatically stored.

Profi-fold 1

The following functions are possible:

- ✔ Height adjustment
- ✔ Folding in and out
- ✔ One-sided independent fold at reduced speeds (max. 6 km/h)
- ✔ Boom width reduction
- ✔ Tilt adjustment

Flex-fold 1

In addition to the benefits already outlined, Flex-fold 1 provides the following extra functions:

- ✔ Height adjustment
- ✔ Folding in and out
- ✔ One-sided independent fold at reduced speeds (max. 6 km/h)
- ✔ Boom width reduction
- ✔ Tilt adjustment

Benefits of Flex-fold:

- ✔ Shorter turn-round times through quicker folding
- ✔ Easy working width regulation

Flex-fold 2

In addition to the advantages mentioned previously, Flex-fold 2 offers the following functions:

- ✔ One-sided/both-sided boom angling
- ✔ One-sided/both-sided boom tip angling

Boom guidance

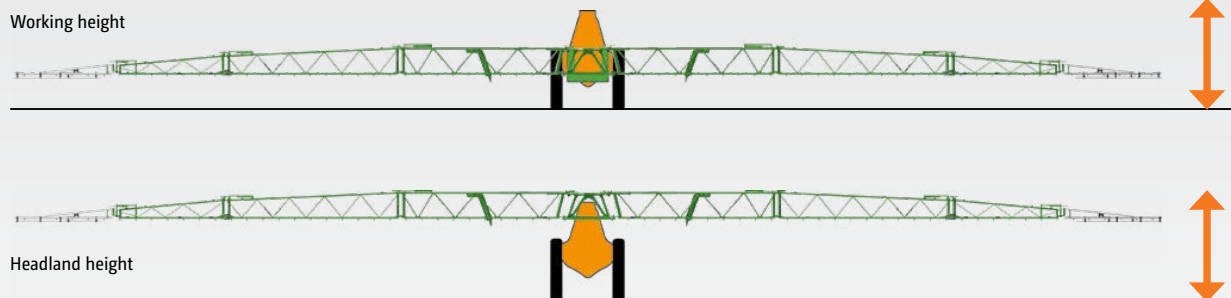
With maximum comfort and even more precision



✓ Automatic boom lowering via GPS-Switch

The GPS-Switch function in the operator terminal can be used to start lowering the boom before it reaches the untreated area. This means that the boom is already at the correct work-

ing height when the nozzles come on. Requirements for this function are just a field boundary saved within the GPS-Switch in the AMAZONE ISOBUS terminal.



AutoLift – the comfortable automatic headland system

AutoLift automatic boom lift (standard equipment) lifts the boom to the pre-selected height every time the machine is switched off.

It lowers back down again to the target height when the sprayer sections are switched on. This reduces the risk of damage to the boom while turning on the headland.

DistanceControl or ContourControl? Decide for yourself!

The AutoLift automatic headland system and the DistanceControl and ContourControl automatic boom guidance systems offered by AMAZONE provide the right solution for every need. Just utilising the standard AutoLift already provides convenient assistance. The fully automated DistanceControl boom guidance leaves the boom control almost completely in the hands of the machine.

The innovative ContourControl boom control is AMAZONE's high-end solution, ideal for customers with difficult terrain conditions. In addition to fully automated height guidance, ContourControl also offers active vibration damping for the boom. ContourControl satisfies the demand for higher accuracy, even at faster forward speeds.

DistanceControl with 2 sensors or DistanceControl plus with 4 sensors

AMAZONE offers for Super-L booms, either DistanceControl fully automated boom control with 2 sensors or DistanceControl plus with 4 sensors. If the crop heights vary greatly or there are areas with partially lodged corn, the boom could dip into the crop when equipped with 2 sensors.

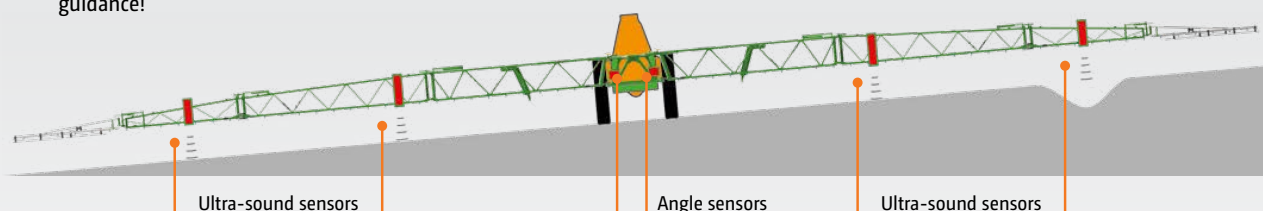
In this case equipping the boom with four sensors will prevent this. The sensors are electrically connected in parallel and so it is always the sensor that is closest to the target surface that is actuated.

Benefits of the DistanceControl boom guidance

- ✓ Fully automatic boom guidance including boom height, tilt adjustment and boom lifting on the headland
- ✓ Automated bilateral boom angling (in combination with Flex-fold 2)

✓ DistanceControl plus

The driver is able to concentrate on correctly applying the plant protection agent, while the computer optimises the boom guidance!



ContourControl and SwingStop

Active boom guidance and boom tip swing compensation under difficult conditions

ContourControl – reduces those vertical boom movements

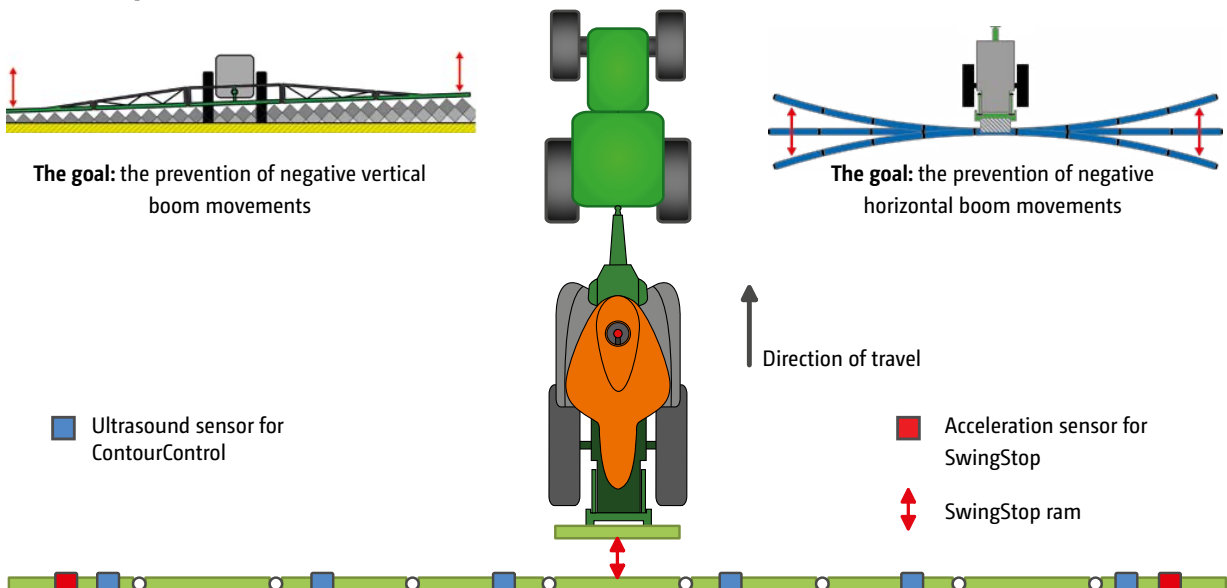
The AMAZONE ContourControl active boom guidance is a ground-breaking fully automatic boom guidance system for booms from 21 m working width. This meets the demand for higher precision during application owing to the lower target surface distances even at high forward speeds. ContourControl can be used with Super-L booms in conjunction with either Flex-fold 1 or Flex-fold 2.

The basis of the new boom guidance is the highly-responsive, electro-hydraulic system with either 4 sensors or in, combination with the Flex-fold 2, 2 additional sensors which allow control of any negative geometry.

The benefits of ContourControl:

- ✔ Optimum lateral distribution
- ✔ Precise, super-fast automatic height guidance
- ✔ Target surface distance below 50 cm – less drift
- ✔ Very quick folding processes
- ✔ Higher accuracy at faster working speeds
- ✔ Elegant boom control for those wider working widths

Fast and precise - at the same time

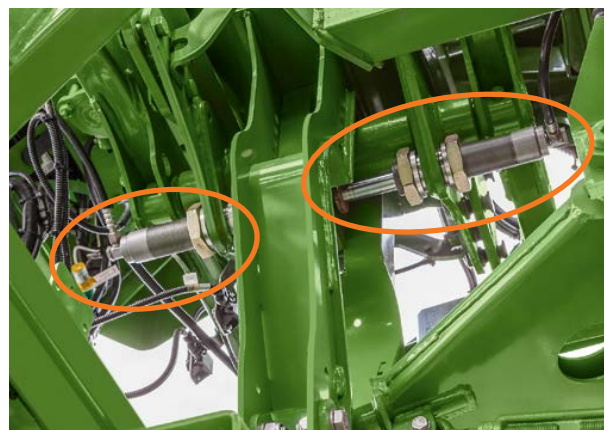




SwingStop – for reducing the horizontal boom movement

In order to tailor the horizontal boom ride to the growing demands, e.g. wider working widths and higher forward speeds, AMAZONE offers the SwingStop active boom tip movement prevention as an option for the ContourControl boom guidance system. By external influences, such as ground undulations, driving round bends, acceleration and deceleration and increasing operating speeds the boom is put under extraordinary strain in the horizontal direction. This may result in the boom ends swinging round and thus negatively affecting the lateral distribution at the outer ends of the booms.

As horizontal movement occurs more at the boom ends, this effect is increased enormously by wider boom widths. To reduce this horizontal swing effect, SwingStop measures, via acceleration sensors, the resulting acceleration at the boom ends. The two actively-operating hydraulic rams in the boom suspension compensate live for these swing movements and in this way provide a very smooth horizontal boom ride.



SwingStop features two actively-operated hydraulic rams in the boom centre

The benefits of SwingStop:

- ✔ Optimum longitudinal distribution
- ✔ Reduction in the horizontal boom movement for an extremely steady boom ride
- ✔ A system that operates very quickly, elegantly and precisely, even at very high working speeds
- ✔ Highest performance and outstanding precision

❗ "A total of six ultrasound sensors take care of the height guidance of the parallelogram frame, the adjustment of the slope compensation and the control of the boom angling (positive and negative). It is fantastic in hilly terrain, particularly when it comes to being able to spray more quickly with a shorter distance above the target surface."

("profi" - "Practice test Amazone UX 4201 Super" 02/2020)

❗ "And now when it comes to the keyword "fast", then "SwingStop" also comes into play: This is an active, hydraulic control system with acceleration sensors in the ends of the boom which counteracts horizontal swinging - and does so before any movement visible to the eye occurs."

("profi" - "Practice test Amazone UX 4201 Super" 02/2020)

Overview: boom guidance

For any demand the right solution





Model	UX Super				
Folding	Profi-fold 1	Flex-fold 1	Flex-fold 2	Flex-fold 1	Flex-fold 2
Automatic boom guidance (option) Number of relevant sensors	DistanceControl (plus)			ContourControl	
	2 (4)			4	6
Number of spool valves	1 single-acting + free flow return / Load-Sensing system (Option)				
Sprayer boom folding in and out	remote control (terminal)				
One-sided boom folding	remote control (terminal)				
Folding in to a reduced working width	remote control	automatic			
Bumper buffer device at reduced working width	Option	Series			
Time for the folding procedure	normal	quick		very quick	
Height adjustment	remotely controlled (terminal) / automatic with DistanceControl or ContourControl				
Boom lift on the headland	remotely controlled (terminal) / automatic with DistanceControl or ContourControl				
Adjustment of tilt	remotely controlled (terminal) / automatic with DistanceControl or ContourControl				
One sided / both sided boom angling			automatic		automatic
One sided / both sided boom tip angling					automatic
Active shock absorption against asymmetrical and symmetrical vibrations				Option (SwingStop)	Option (SwingStop)
Boom guidance (overall view)	good			excellent	excellent
Recommendation for working widths				> 30 m	
Recommendation for operating speeds	medium			extremely high	extremely high
Recommendation for ground conditions	level		hilly	level	hilly
Recommendation for working width change	little	often			

TG part-width section valves



Electrically-controlled TG valve chest

The TG part-width valve chest with up to 13 part-width sections is available with ISOBUS control. The part-width boom sections are switched, on and off, quickly and drip-free via electric motor valves with pressure relief. The amount applied is accurately and directly controlled by the computer in all situations.



DUS pressure recirculation system

Efficient and reliable



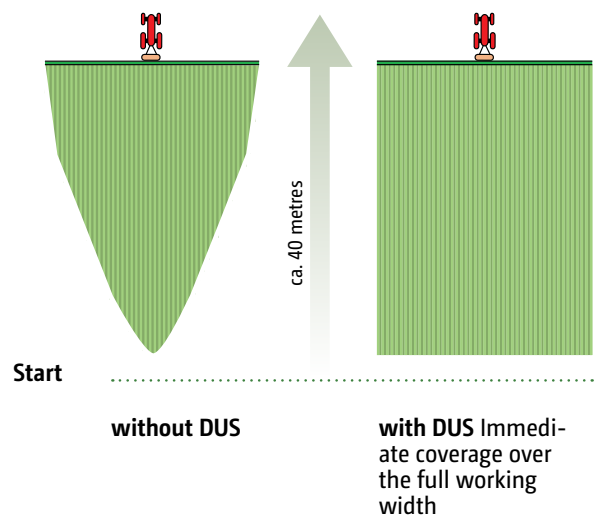
DUS pressure recirculation system

The DUS pressure recirculation system – proven more than 10,000 times

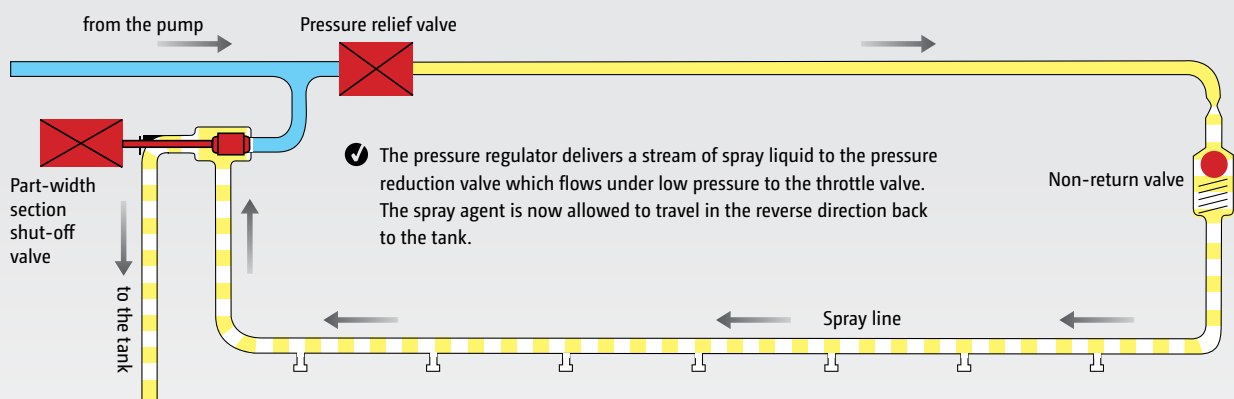
The AMAZONE DUS pressure recirculation system ensures a reliable circulation throughout the entire system. When starting the spraying operation, all the hoses including the spray lines are filled under pressure in the reverse direction with the pre-mixed spray agent. This means the spray lines are always full and immediately ready to use over the entire working width. There is no waiting on the headland.

Every time individual part-width sections are shut off, during the turning operation and during transport, the spray liquid circulates continually thanks to the pressure recirculation system. This reliably prevents deposits, blockages or segregation in the spray lines.

During the cleaning operation, fresh water flushes the spray lines out right up to the nozzles without any spraying being necessary. During this cleaning procedure, the concentrated spray liquid is returned back to tank via the pressure recirculation system leaving the spray lines clean.

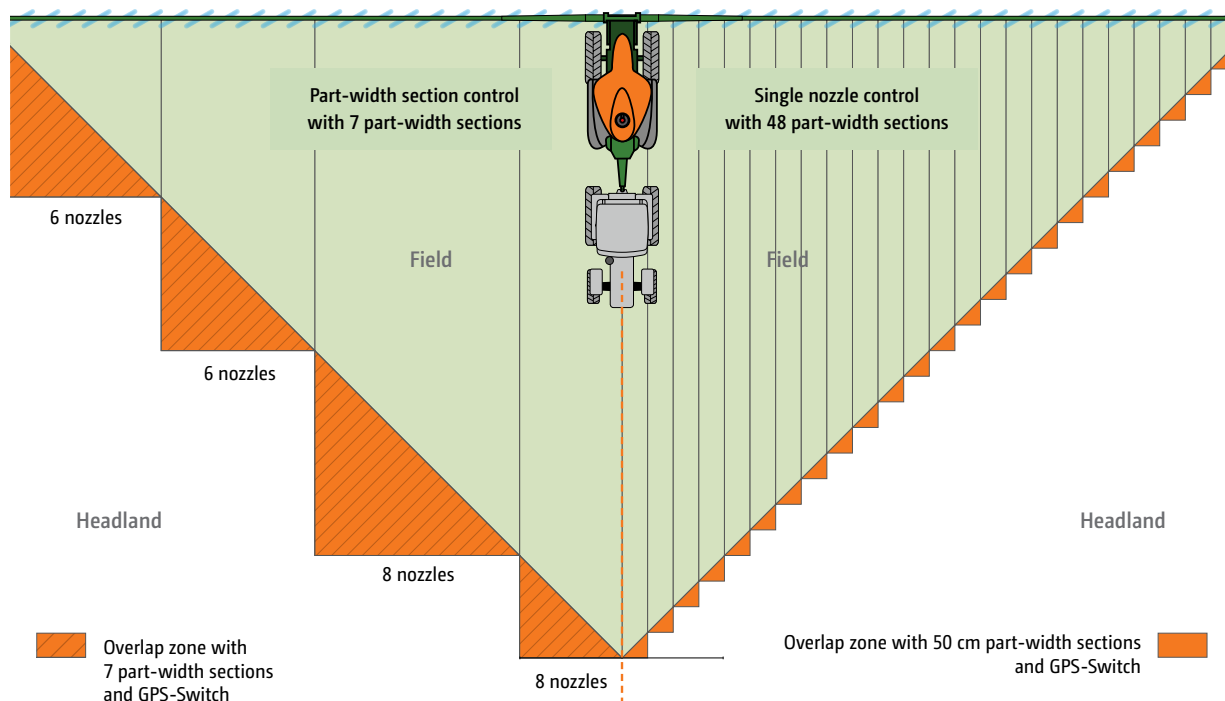


DUS pressure recirculation system: supplies each individual part-width section



Electric single nozzle control AmaSwitch and AmaSelect

Example: 24 m boom width



(see also information on GPS-Switch)

Automatic part-width shut-off for the headland and wedge-shaped fields **GPS-Switch**

5%*

Saving on crop protection agent usage



Electric individual nozzle control
AmaSwitch or AmaSelect

5%*

Additional saving on crop protection agent usage

* Savings are dependent on field shape, boom width and the number of part-width sections



✓ AmaSwitch electric single nozzle control



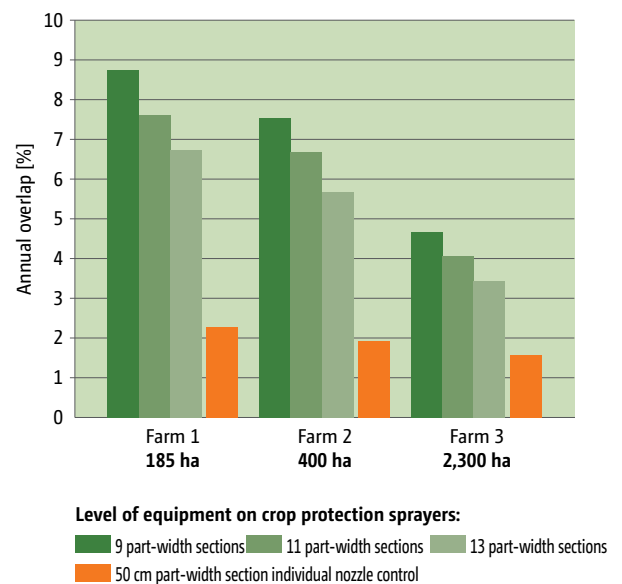
✓ AmaSelect electric individual nozzle control

Calculated example:

Annual average overlaps of **conventional part-width sections vs 50 cm part-width sections in combination with Section Control**

Important knowledge for field analysis

- ✓ Average overlap with 50 cm part-width sections only 1.92 %
- ✓ Average overlap with 9 part-width sections 7 %
- ✓ Short payback period for large farms due to annual saving potential
- ✓ Due to smaller field sizes, smaller farms save proportionally more
- ✓ When growing crops with a high crop protection demand (e.g. potatoes, beet), the 50 cm part-width section solution is particularly cost-effective



Comparison of systems:

The benefits	Standard valve chest	AmaSwitch 3-fold	AmaSwitch Quad	AmaSelect
Multiple boom sections	up to 13	up to 80	up to 80	up to 80
50 cm part-width sections	–			
Number of nozzles per nozzle body	1, 3, 4	3	4	4
Manual nozzle switching				–
Automatic nozzle changeover and switching	–	–	–	
Nozzle selection from the cab	–	–	–	
Nozzles used in combination	–	–	–	
High pressure recirculation (DUS pro)	–			
25 cm nozzle spacing (extension kit)	–	–		
Individual programming of the part-width sections (TB)	–			
LED individual nozzle lighting				
Switching to band application from the cab (AmaSelect Row)	–	–	–	
Optimised application rate during cornering (AmaSelect CurveControl)	–	–	–	
Part-area, site-specific application on the basis of spot application maps (AmaSelect Spot)	–	–	–	

Nozzle switching –system overview

■ = included

■ = optional

□ – = not possible

AmaSwitch

Electric individual nozzle switching with 50 cm part-width sections

The simple solution for automatic 50 cm part-width section control

With AmaSwitch, AMAZONE offers the precise solution for automatic part-width section control on 50 cm sections. AmaSwitch is the ideal alternative for users who want to maximise the benefits of very precise switching in wedge shaped fields and areas of overlap, thanks to the 50 cm part-width section control.

Standard equipment with AmaSwitch includes the DUS pro high pressure recirculation system and, in addition, can be equipped with LED individual nozzle lighting.

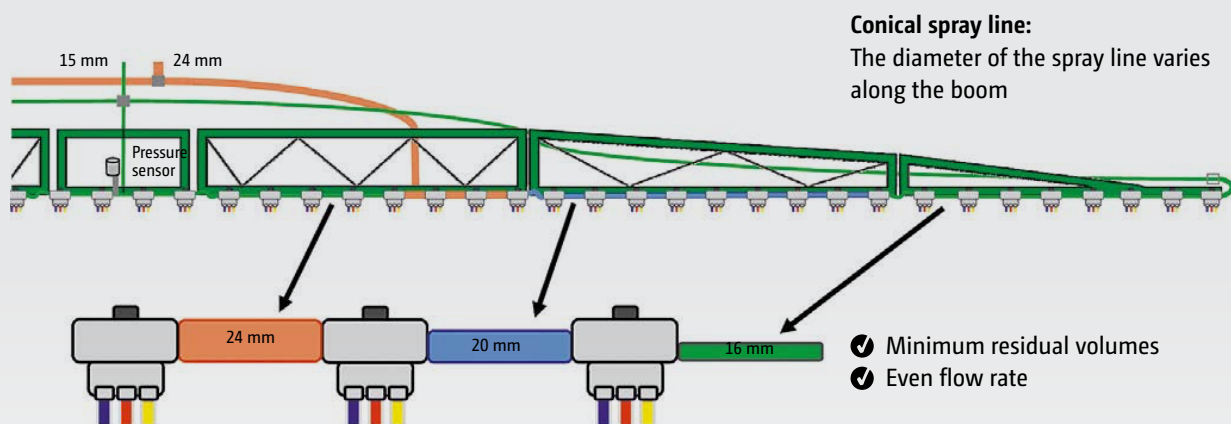
Equipped with the DUS pro pressure recirculation system as standard

As in the case of DUS, the spray pressure in DUS pro is constant up to the individual nozzle and remains at the pre-set spray pressure. In addition, minimal residual spray volumes are achieved thanks to the conical spray lines.



AmaSwitch 3-fold nozzle carrier

DUS pro – constant spray pressure with minimal residual volumes



DUS pro high pressure recirculation with conical spray line on here, for example, AmaSwitch



AmaSwitch 3-fold nozzle carrier with LED individual nozzle lighting

3-fold nozzle body with electric on/off switching

The technology behind AmaSwitch is based on a conventional, manually-rotated, 3-fold nozzle body with electric individual on/off. The opening and closing is achieved via an electric valve which is fixed directly onto the nozzle body. In conjunction with GPS-Switch, it is thus possible to very precisely control 50 cm part-width sections in short work and on the headland. In addition to the automatic switching using 50 cm part-width sections, it is possible to configure the amount of part-width sections from choice.

4-fold nozzle body with electric on/off switching

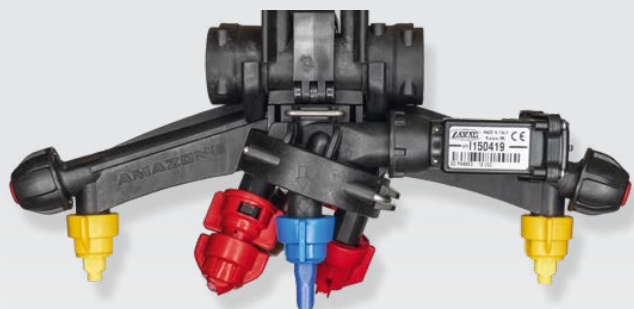
In addition to the 3-fold nozzle body, AmaSwitch electric single nozzle control can also be equipped with a 4-fold nozzle body.

With perfect 25 cm nozzle spacing

The 4-fold nozzle body enables a perfect 25 cm nozzle spacing to be achieved with the aid of the optional extension kit. This offers the benefit, in combination with specific 80° nozzles, to reduce the boom to target surface distance down to less than 50 cm.



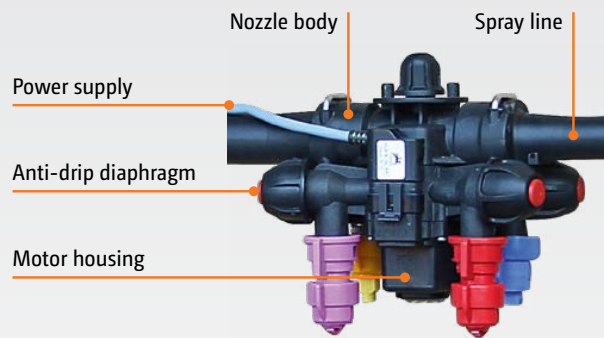
AmaSwitch 4-fold nozzle body



AmaSwitch with 4-fold nozzle body and extension kit for a perfect 25 cm nozzle spacing

AmaSelect

**Electric individual nozzle control
with 50 cm part-width sections**



AmaSelect – components of the system

4-fold nozzle body with automatic electric nozzle switching

The electric AmaSelect individual nozzle control consists of a 4-fold nozzle body with electric on/off control plus the additional switching over of either a nozzle or a combination of nozzles. In addition to the 50 cm part-width sections which can be switched automatically via GPS-Switch, the system offers electrical switching between the four mounted nozzles via the operator terminal or even completely automatically if the forward speed or application rate is changed. This offers the possibility, for instance when leaving the optimum pressure range of a nozzle, to switch on a second nozzle or to changeover to a larger nozzle.

Flexible configuration of working widths and part-width sections

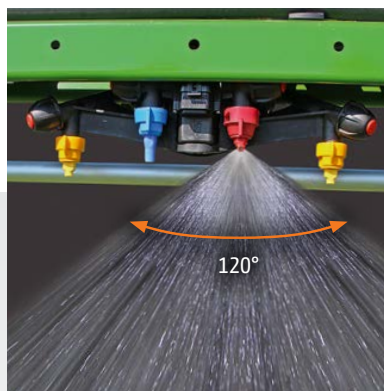
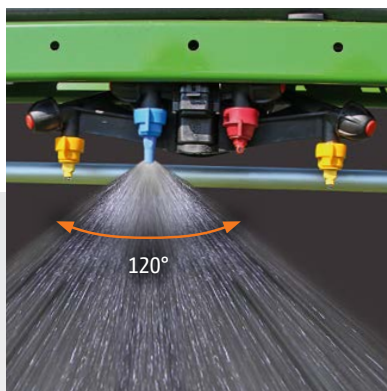
AmaSelect enables any number of part-width sections with any number of nozzles to be freely configured. Just for farmers or agricultural contractors with different tramline systems, a simple matching of the nozzle switching with the relevant working width is possible.

Automatic 50 cm part-width section control via GPS-Switch with Section Control

The automatic control of individual nozzles in 50 cm part-width sections is made possible by combining the AmaSelect single nozzle control with GPS-Switch (with Section Control). This enables the amount of overlap to be considerably reduced, meaning that there is a significant saving of spray agent.

With true 25 cm nozzle spacing

As an option, the AmaSelect nozzle body can also be equipped with an off-set kit giving 25 cm nozzle spacing. This offers the benefit, in combination with specific 80° nozzles, to reduce the boom to target surface height down to less than 50 cm.



AmaSelect electric single nozzle control with a 4-fold nozzle body and 50 cm and 25 cm nozzle spacing



HeightSelect – always the optimum target surface distance

With the aid of HeightSelect (only in conjunction with AmaSelect and ContourControl) now also the distance between boom and the targeted crop is continuously matched automatically in relation to the nozzle spacing and nozzle type. When the nozzle has been switched on, the automatic boom guidance system controls the appropriate target distance. This automation improves the efficiency of the crop protection agent used as well as decisively relieving the stress on the driver.

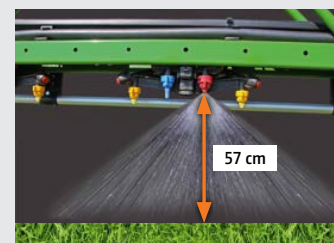
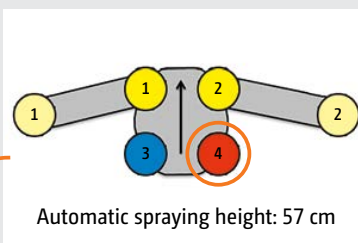
High-End as standard – LED individual nozzle lighting and DUS pro

As standard, AmaSelect is equipped with DUS pro high pressure recirculation and LED individual nozzle lighting.

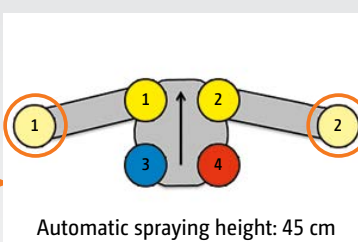
Crop protection technology of the future is already here

The AmaSelect single nozzle control offers the potential for absolute precision by utilising the additional optional AmaSelect CurveControl, AmaSelect Row and AmaSelect Spot functions.

Principle of HeightSelect



110° nozzles: 50 cm nozzle spacing

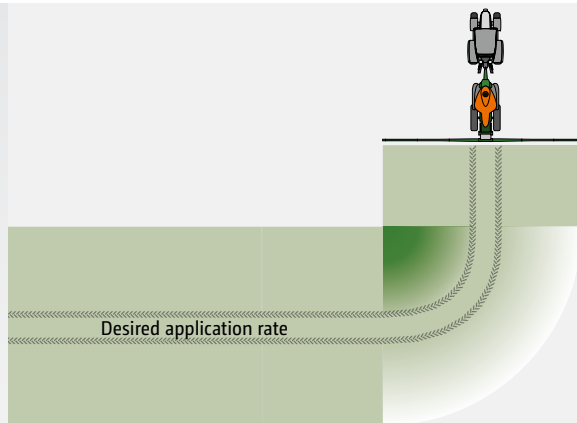


80° nozzles: 25 cm nozzle spacing

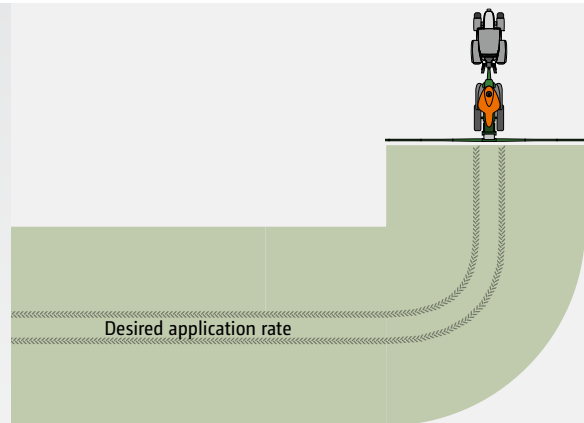
AmaSelect CurveControl

Optimised application when driving round bends





Without AmaSelect CurveControl – uneven application rate when negotiating bends



With AmaSelect CurveControl – a more even application rate when negotiating bends

Constant application rate

AmaSelect CurveControl offers a precise solution for keeping the application rate as constant as possible across the whole of the working width when driving round bends. The CurveControl function is equipped as standard in conjunction with AmaSelect and the ContourControl active boom guidance.

The problem – over- and under-fertilisation when negotiating bends

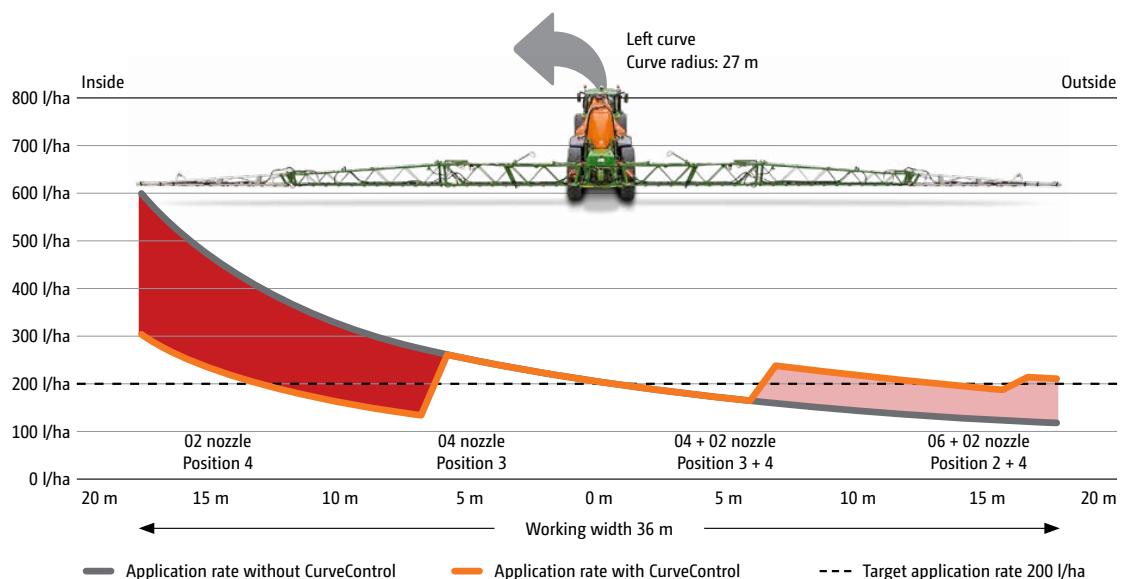
In the past, application of plant protection products when driving round bends has led to an over-application on the inside of the bend and an under-application on the outside of the bend. The problem increases with increasing boom widths. Over-applying on the inside of the boom must be viewed more critically, as potential overdose levels of more than 300 % are possible.

The solution – AmaSelect CurveControl

The operation of the system is supplemented by a useful function specifically for bends in the form of CurveControl for the AmaSelect electric single nozzle control. In addition to the nozzle pressure, CurveControl uses sensors to determine the curve radius and automatically calculates the pressure adjustment for the changed flow rate. The system then balances the application rate in the boom independently of the part-width section by means of automatic nozzle changing in the boom.

Benefits of AmaSelect CurveControl:

- ✔ Virtually uniform application rates when negotiating bends over the entire working width
- ✔ Optimum crop management
- ✔ Prevention of resistance caused by under-dosing



Comparison of application rates in bends with and without CurveControl (left hand curve)

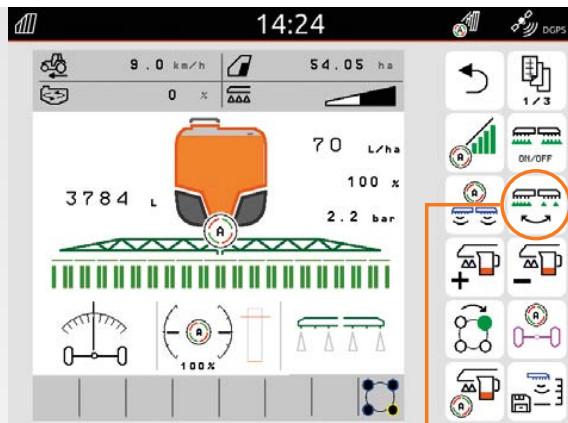
AmaSelect Row

Accurate band spraying at the press of a button to reduce usage of plant protection agents



Row-specific band spraying in a potato crop

Row-specific band spraying in a sugar beet crop



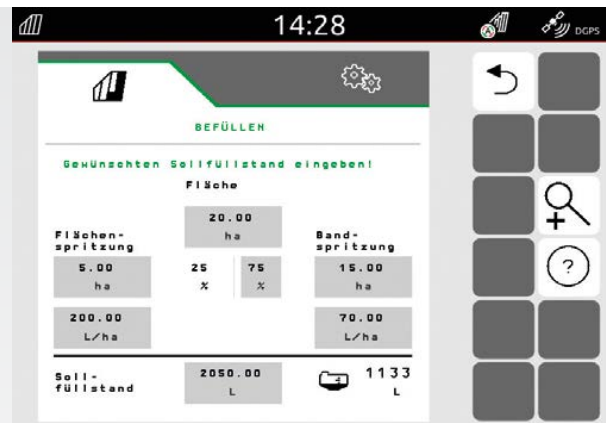
Easy switching between band spraying and full-width application at the push of a button

Row-specific band spraying

AMAZONE offers the AmaSelect Row function for remote switching between row-specific band spraying and full-width application for the AmaSelect electric single nozzle control. Row-specific band spraying with special 40° nozzles makes it possible to reduce the consumption of plant protection agents by up to 65 %.

Different row spacings

Row specific applications in crops with a 50 cm row spacing can very easily be implemented without any further retooling. However, the optional extension kit for the AmaSelect nozzle body with a 25 cm nozzle spacing also enables band applications to be implemented in crops with a 75 cm row width. Only the nozzles at the desired spacing are switched on for that purpose. Alternative row widths, e.g. 45 cm for sugar beet, can also be realised with an additional nozzle arrangement and a connecting hose.



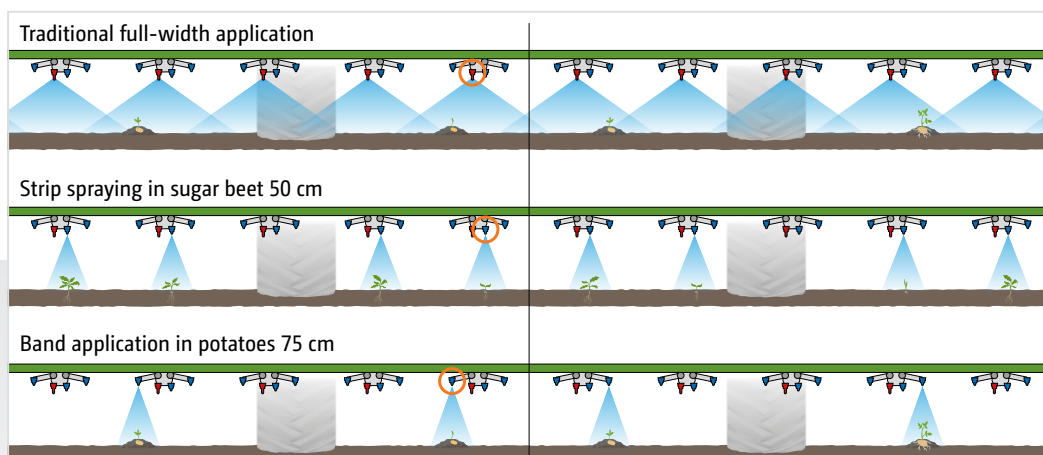
Useful fill menu for determining the required filling quantity

Maximum operational comfort

Via a fill menu, the area to be treated by band and full-width spraying as well as the desired application rates of the two types of spraying is stored, and the required filling quantity is automatically calculated to minimise residual amounts. The row spacing, spraying angle and application height of the nozzles are easily adjusted via a separate menu in the ISOBUS machine controller. The selection of the right nozzle and the associated nozzle positions to the band needing to be treated is carried out automatically. It is then possible to switch between band and full-width spraying in a matter of seconds at the push of a button on the ISOBUS terminal.

Benefits of AmaSelect Row:

- ✔ Highly efficient band spraying in row crops – and all at the touch of a button
- ✔ Different row spacings possible thanks to the optional extension kit with 25 cm
- ✔ High operating comfort with an integrated filling menu with fill quantity calculation
- ✔ Reduction in the plant protection agent usage by up to 65 %.



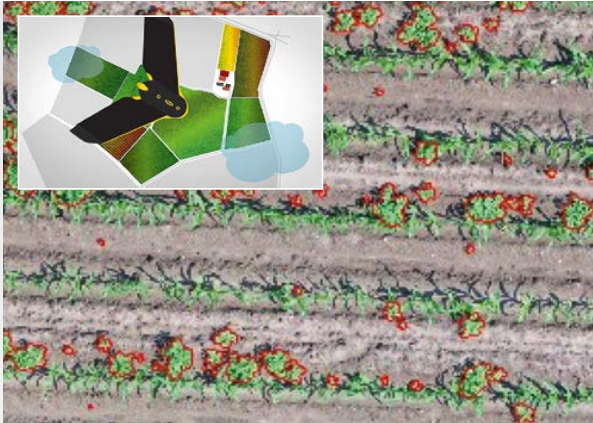
AmaSelect Row: Uniquely flexible options for plant protection

AmaSelect Spot

Part-area, site-specific plant protection treatment on the basis of spot application maps



DroneWerkers from the Netherlands is a producer of spot maps. The areas to be treated are overflown with drones and then analysed by means of artificial intelligence, in order to create a spot application map.



Processing of the spot application map in AmaPad 2

Part-area, site-specific weed treatment

To reduce the use of crop protection agents, AMAZONE offers AmaSelect Spot, a single nozzle control system which allows part-area, site-specific weed treatment based on highly accurate spot application maps. External service providers produce the spot maps.

Scanning the area and creation of spot maps for weed treatment

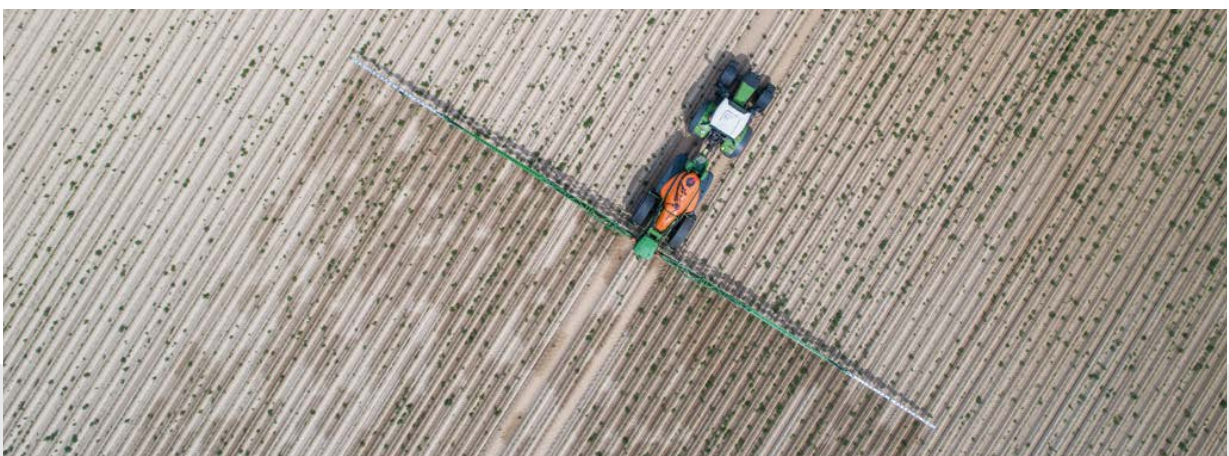
In the first step, the field to be treated is scanned and a spot application map created. Depending on the service provider, various processes are used for scanning the area in this first step, such as overflying with a drone, by satellite or via special sensor booms.

Targeted spot application

The second step is the treatment of the weed spots in the area. All that is required for this is to load the spot application map in the AmaPad 2 ISOBUS operator terminal. In contrast to full-area treatment with the AmaSelect single nozzle control system, only those areas where weeds are present are treated during the pass.

Benefits of AmaSelect Spot:

- ✓ Precise spot treatment of weeds with a standard Amazone crop protection sprayer
- ✓ Reduction in plant protection agent usage by up to 80 %.
- ✓ Protection of the environment
- ✓ Minimal residual quantities thanks to exact planning of the application rate on the basis of the spot application maps
- ✓ Prevention of resistance build-up thanks to small spot applications with 100% plant protection agent concentration



State-of-the-art crop protection technology in use: Targeted treatment of volunteer potatoes in a carrot crop on the basis of a spot application map with a standard UX 5201 Super trailed sprayer

The right nozzle choice

The basis for success in crop protection



Less drift also at higher wind speeds

With the air-assisted injector nozzles, crop protection agents can be applied with very little drift. They are universally usable in all crops and all classifications. Because of the coarse droplet application, these nozzles can also be used in higher wind speeds.

AMAZONE offers a wide range of nozzles from agrotop, Lechler and TeeJet.

Single and multi-nozzle bodies

The nozzle bodies with integrated diaphragm non-return anti-drip valves fit up into the boom profiles reliably preventing any dripping at the nozzle. Self-adjusting bayonet fixings ensure a tool-less quick nozzle change. The 3-fold or 4-fold nozzle bodies are suited to frequent nozzle changes due to different applications and crops. Nozzle protection tubes, as standard on the outer sections, or, if desired, over the entire boom working width, ensures protection for long injector nozzles and multiple nozzle bodies.





Examples

- 1) Lechler IDN 120-025
- 2) TeeJet XRC 110-025
- 3) Injector flat fan nozzle
AirMix 110-04



Everyone purchasing an AMAZONE crop protection sprayer receives, free of charge, an AMAZONE nozzle mounting tool that enables a much easier nozzle change.

Injector nozzles (ID, TTI) have a relatively coarse droplet spectrum and are particularly versatile with regard to their field of application. A pressure range of 2 to 8 bar is possible.

If coverage quality is at the foreground of the application, the use of standard or anti-drift fine droplet nozzles, such as XR or AD, is recommended. Special care is required here due to their tendency to drift above 3 bar.

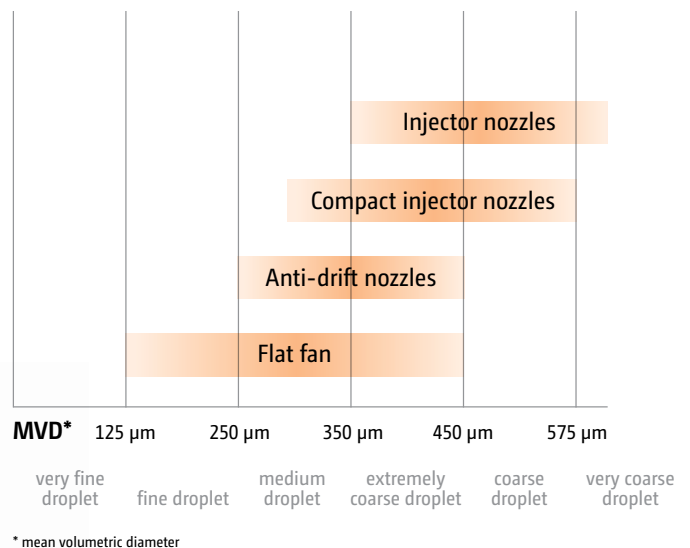
A good compromise is provided by the modern ID-K or Air-mix compact injector nozzles. These have relatively little drift, but do not have too coarse a droplet spectrum and are operated at 2 to 4 bar.

When it comes to special coverage qualities, the double flat fan nozzle is an interesting alternative: the AVI Twin from Agrotop also produces droplets that are not too fine.

The split spray pattern ensures a more even deposit on the front and back of the plant and makes sense maybe, for example, in ear treatment.

For speeds greater than 10 km/h, the TD HiSpeed nozzle with its asymmetrical spraying angle is becoming a new industry trend.

Distribution of the droplet size

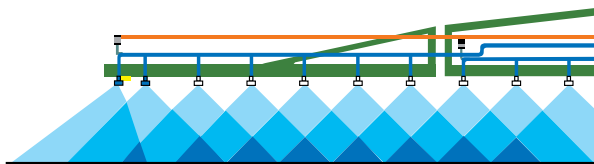


More precision. More success.

Professional crop protection technology from AMAZONE

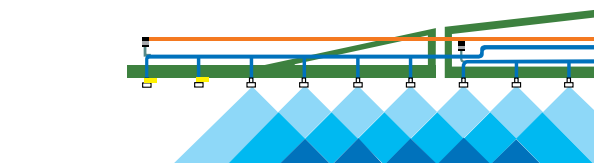


Electric boundary nozzle switching – For environmentally-friendly spray application at the field edge



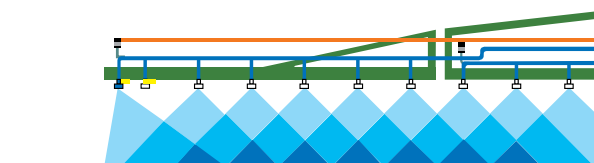
Additional nozzle switching

In order to extend the normal working width, an asymmetrical nozzle can also be switched on. This is particularly useful if the distances between tramlines are not precise enough.



End nozzle switching

If a one metre buffer zone around the edge of the field needs to remain unsprayed due to distance constraints, end nozzle switching can be used.



Boundary nozzle switching

For precision border spraying between two sensitive crops, the boundary nozzles can be used to make sure the spray pattern is accurately defined.



Liquid fertilisation

UX trailed sprayers are particularly suited to liquid fertilising: the use of high grade plastic material, a good paint-work and the virtually exclusive use of stainless steel en-

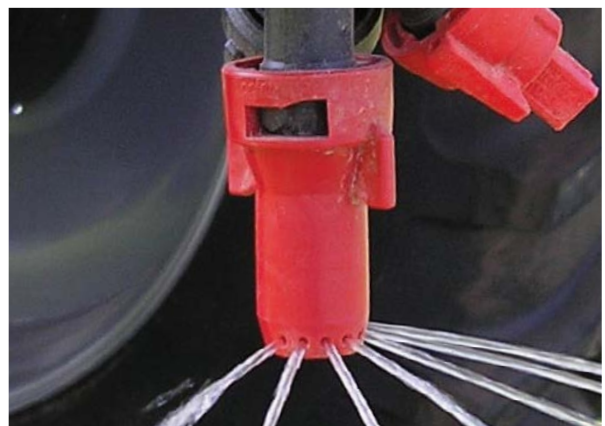
sures a long life even with liquid fertiliser operation. In conjunction with the Super-S2 boom a separate drag hose unit is available.

Under-leaf spraying

Elegant solutions for successful under-leaf spraying are also possible in combination with AMAZONE crop protection sprayers. The Dropleg system from Lechler, for instance, is an easy and robust under-leaf spraying system that hangs freely between the rows and which fully meets the demands of the professional.

Multi-hole nozzles

For the application of liquid fertiliser as a coarse droplet, either multi-hole nozzles (3 or 7 hole) or the FD sluice nozzles are available on request.



✓ Dropleg system

✓ 7-hole nozzle

Options for all applications





- With the analog video input on AmaTron 4, the picture from the camera can also be displayed alternatively.

Camera system to the rear of the UX trailed sprayer

The optionally available camera system mainly serves for safety when manoeuvring. It is also a super aid when monitoring the function of the nozzles directly behind the machine. This is ensured even in rain, twilight or in darkness via infrared LEDs and a heated lens. The high resolution, antiglare monitor is backlit and can also display two cameras at once.

Underbelly covers

Thanks to the underbelly cover, the complete underside is encased in stainless steel plates so that axles, chassis and plants are optimally protected.



LED work lights

Boom lighting is provided by two LED work lights mounted in the centre of the boom and, from here, due to their wide-reaching illumination; prove to be a particularly effective execution.

Two further LED work lights to give additional background lighting can be mounted up on the platform.

Exterior wash down kit

With the spray lance of the exterior wash down kit, the outside of the crop protection sprayer can be thoroughly cleaned directly after use.



ISOBUS –

Machine actuation in the digital age

MEMBER OF



One language, many benefits!

Each ISOBUS-enabled machine from AMAZONE comes with the latest technology and almost unlimited possibilities. It does not matter whether you are using an AMAZONE terminal or an ISOBUS terminal directly installed in your tractor. ISOBUS is a worldwide recognised communication standard between, on the one hand, operator terminal, tractor and connected implements and, on the other hand, farm management systems.

Operation via any ISOBUS terminal

Which means that ISOBUS enables you to take control of all your ISOBUS compatible equipment. You just connect the machine with the relevant ISOBUS terminal and immediately the normal operator interface is displayed on the monitor screen in your tractor cab.

Benefits of ISOBUS:

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



AMAZONE – More than just ISOBUS

Improved control, more yield! Precision Farming 4.0

Our competence in electronics

To increase the operational comfort, AMAZONE implements and operator terminals feature a scope of functionality way beyond ISOBUS standards.

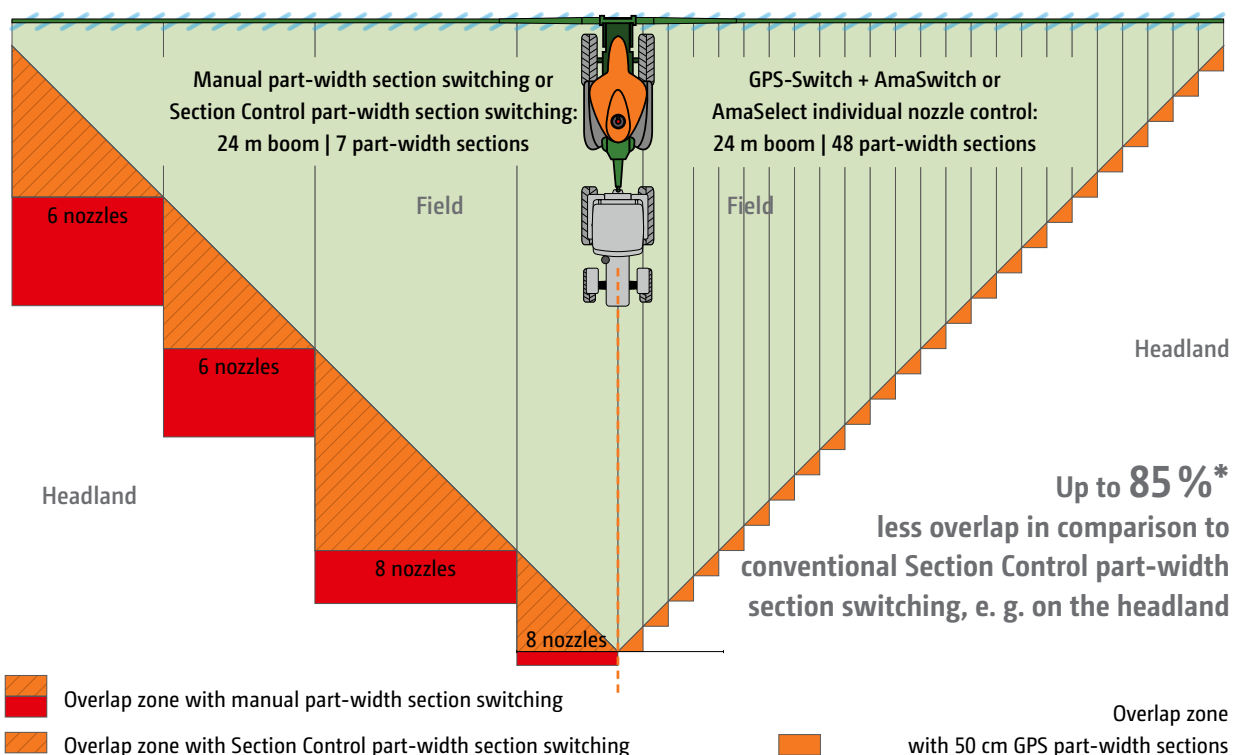
The benefits of More than just ISOBUS:

- ✓ Highest compatibility and safety functionality of your ISOBUS equipment
- ✓ No additional modules on the machine side. All ISOBUS machinery from AMAZONE is already equipped as standard with the necessary ISOBUS functions
- ✓ MiniView display with all AMAZONE terminals and some further ISOBUS terminals. See, for instance, the machine data in the GPS view
- ✓ Possibility of operating the machine via the tractor terminal or a twin terminal solution
- ✓ Flexible assignment of the field and machine view between the tractor and the operator terminal
- ✓ Unique operation concept. Freely-configurable displays and individual user interfaces for each driver
- ✓ Freely-configurable machine operation as, for instance, the folding procedure for the booms on your AMAZONE crop protection sprayer
- ✓ Integrated TaskController data logger function



Automatic part-width section control GPS-Switch

Example: 24 m boom width (6-6-8-8-8-6-6 = 48 nozzles)



Automatic part-width shut-off for the headland and
wedge-shaped fields **GPS-Switch**

5%*

Saving on crop protection agent usage



Electric individual nozzle control
AmaSwitch or AmaSelect

5%*

Additional saving on crop protection agent usage

* Savings are dependent on field shape, boom width
and the number of part-width sections

Precise switching in 50 cm part-width sections

The decisive benefit of the individual nozzle control is the possibility to operate with small part-width sections giving an even greater degree of precision in wedge shaped fields, short work and on the headland. If AmaSwitch or AmaSelect is combined with the automatic GPS-Switch Section Control, the automatic switching of individual nozzles in 50 cm part-width sections is made possible. With this system,

areas of overlap are significantly reduced and are, in comparison with a conventional Section Control part-width section shut-off system, up to 85 % less. So, the combination of GPS-Switch and individual nozzle control results in, depending on field shape and size, the working width and number of part-width sections, significant savings of spray agent compared with a normal spraying system used thus far.

Overlaps on the headland or in wedge shaped fields are prevented via precise switching with GPS-Switch.



GPS-Switch

If the terminal to be operated features Section Control, such as, for example, GPS-Switch part-width section control from AMAZONE, the switching of the part-width sections can be carried out completely automatically and in relation to the GPS position. Once a field has been established by the driver, then, in the automatic mode, they can fully concentrate on handling the vehicle whilst the switching of the part-width sections in wedges and on the headland is carried out automatically.

Benefits of automatic part-width section control:

- ✓ Stress relief on the driver
- ✓ Increase in precision especially at night or at higher speeds
- ✓ Less overlaps and gaps
- ✓ Saving of resources
- ✓ Less crop damage and environmental pollution
- ❗ "With Section Control, the ISOBUS computer relieves the driver from a lot of work."

("dlz agrar magazine" – "Test report ZA-TS fertiliser spreader"· 02/2017)

With GPS-Switch, AMAZONE offers a 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 for an AMAZONE sprayer
- ✓ Optional with AmaTron 4

GPS-Switch pro

- ✓ Automatic part-width section control of up to 128 part-width sections
- ✓ Marking obstructions (POI)
- ✓ Standard with AmaPad 2
- ✓ Optional with AmaTron 4

✓ AmaClick

Special crops and bed work often require the on/off switching of the individual part-width sections in the middle of the boom. AmaClick is an additional ergonomic control unit that can be used either in conjunction with the AmaPilot⁺ multi-function joystick or also as a standalone system alongside an ISOBUS terminal.



Workday made easy –

Make the most of the possibilities!

GPS-Maps&Doc

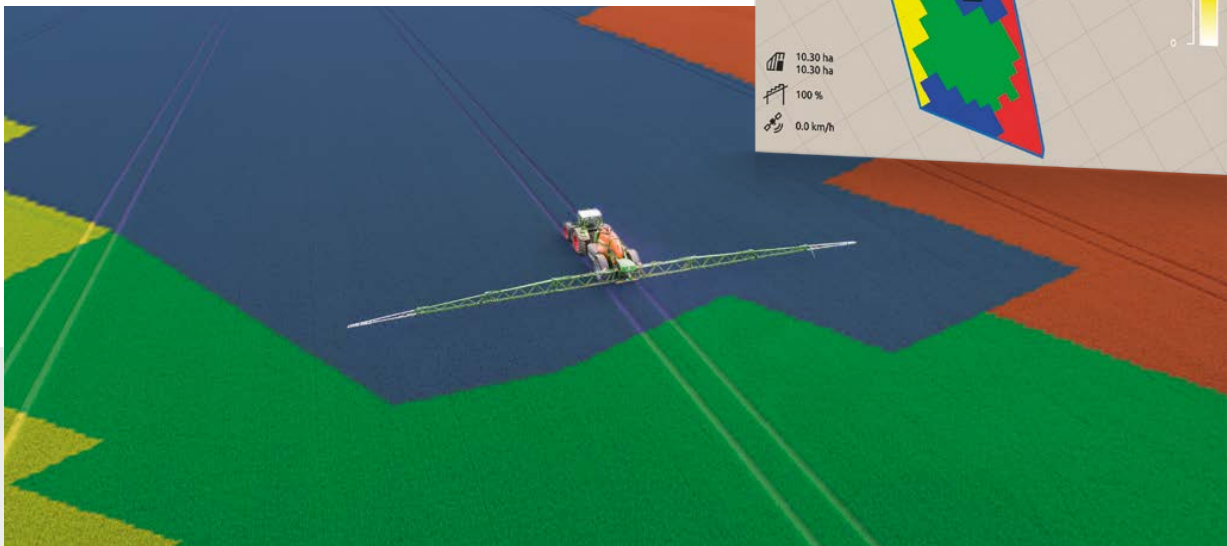
All standard ISOBUS terminals from AMAZONE can collect and save machine and site-specific data using Task Controller. Part-area, site-specific operation via the application maps in a shape and ISO-XML format is also possible.

- ✓ Easy creation, loading and processing of jobs
- ✓ Documentation and export of the work done in ISO-XML format
- ✓ Display of inactive field boundaries
- ✓ Automatic field recognition
- ✓ Job summary via PDF export
- ✓ Intuitive system for processing application maps
- ✓ Automatic part-area, site specific regulation of the application rate
- ✓ Optimum crop management using need-oriented application
- ✓ Standard on AmaTron 4 and AmaPad 2

GPS-Track

The GPS-Track parallel driving aid makes orientation in the field much easier, particularly on grassland or in areas without tramline tracks.

- ✓ The virtual light bar in the status bar
- ✓ Automatic tramline control via GPS for AMAZONE seed drills
- ✓ Various track modes such as A-B Line or contour travel
- ✓ Standard with AmaPad 2
- ✓ Optional with AmaTron 4



GPS-Maps – part-area, site specific application

AmaTron 4

Manager 4 all



Easy and comfortable operation as intuitive as your tablet

Why not handle a terminal as intuitively like 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. The AmaTron 4, with its 8" multi-touch colour display meets the highest expectations and offers maximum user-friendliness. A swipe of the finger or using the App carousel allows quick changes between applications and the simple and clearly structured operating menu. A useful MiniView, a freely configurable status line as well as a virtual light bar make the use of the AmaTron 4 particularly clear and convenient.

✔ Machine operation (UT, Universal Terminal) in day-night mode

Benefits of AmaTron 4:

- ✔ Automated full image mode during non-operation
- ✔ Practical MiniView concept
- ✔ Operation via the touch display or via soft keys
- ✔ Especially intuitive and user-friendly
- ✔ Field-related documentation
- ✔ Practice-oriented and intelligent menu guidance
- ✔ Day-night mode
- ✔ Free test phase for all chargeable licences
- ✔ AmaTron Connect – for optional entry into the digital age

Standard with:

GPS-Maps&Doc



AmaTron Connect

Connected to your world

Communication in real time

With AmaTron Connect, AMAZONE provides a digital interface to a smartphone or tablet. The mobile device and the ISOBUS terminal AmaTron 4 are simply connected as a hotspot.

AmaTron Twin App – Clear display enhancement

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



- ✔ A better overview with the AmaTron Twin display enhancement

Advantages of the AmaTron Twin display enhancement:

- ✔ Use of an existing mobile device
- ✔ Greater clarity – all applications in sight
- ✔ Comfortable control of GPS functions in the field view in parallel via the mobile device



Map view with AmaTron Twin – Clear display of the machine and its part-width sections, as well as buttons on the right-hand side of the tablet display

agrirouter –

the independent data exchange platform for agriculture



Secure data exchange

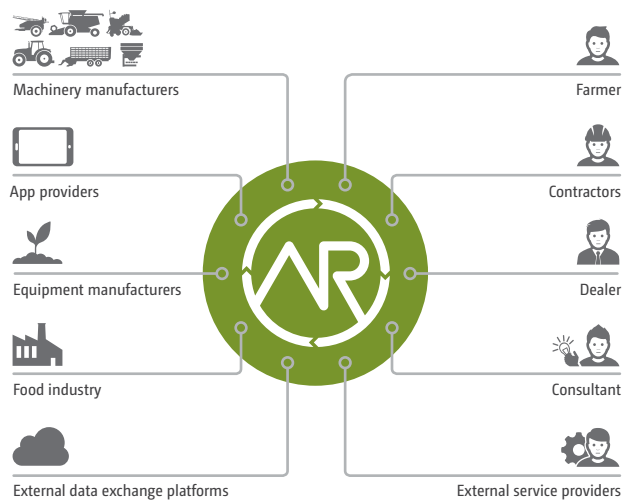
AMAZONE opens the way to universal data exchange by means of the manufacturer-independent agrirouter. The agrirouter enables data to be exchanged between AMAZONE machinery, agricultural software, manufacturers and companies both securely and without any complications.

Advantages of agrirouter:

- ✔ Simple and easy handling
- ✔ Comfortable and fast transfer
- ✔ Full control of your data
- ✔ Data is transferred, not stored
- ✔ Manufacturer-independent use

myAmaRouter App – comfortable and simple

The myAmaRouter App enables data to be exchanged between the AmaTron 4 ISOBUS 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 the agrirouter to the AmaTron 4 via the myAmaRouter App and sent back after completion.



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

Uncomplicated data transfer. Transparent and secure!



AmaPad 2

The especially comfortable way to control agricultural machinery



The new dimension of control and monitoring

AmaPad 2 from AMAZONE is a particularly high-quality operator terminal. The 12.1" multi-touch colour display is particularly comfortable and fulfils the highest demands of Precision Farming. AmaPad 2 is operated solely via touch.

With the practical "MiniView concept", applications which aren't being actively operated at that moment but need to be monitored are clearly displayed at the side. When needed these can be enlarged via "a finger swipe". The possibility to individualise a "dashboard panel" with the displays of choice rounds up the user ergonomics.

Benefits of AmaPad 2:

- ✔ Large 12.1" multi-touch colour display
- ✔ Extended MiniView concept
- ✔ Integrated light bar
- ✔ 2 camera connections
- ✔ Day-night mode

Equipped as standard with:

GPS-Maps&Doc
GPS-Switch pro
GPS-Track



AmaPilot⁺ – Everythingsource comes to hand!

Thanks to the AUX-N feature, you can operate multiple functions of the machine via AmaPilot⁺ or any other ISO-BUS multi-function joystick.

The benefits of AmaPilot⁺:

- ✔ Almost every function directly controlled over 3 levels
- ✔ Adjustable palm rest
- ✔ Freely-programmable, individual key layout







ISOBUS terminals from Amazone – Intuitive, comfortable, better

The benefits:

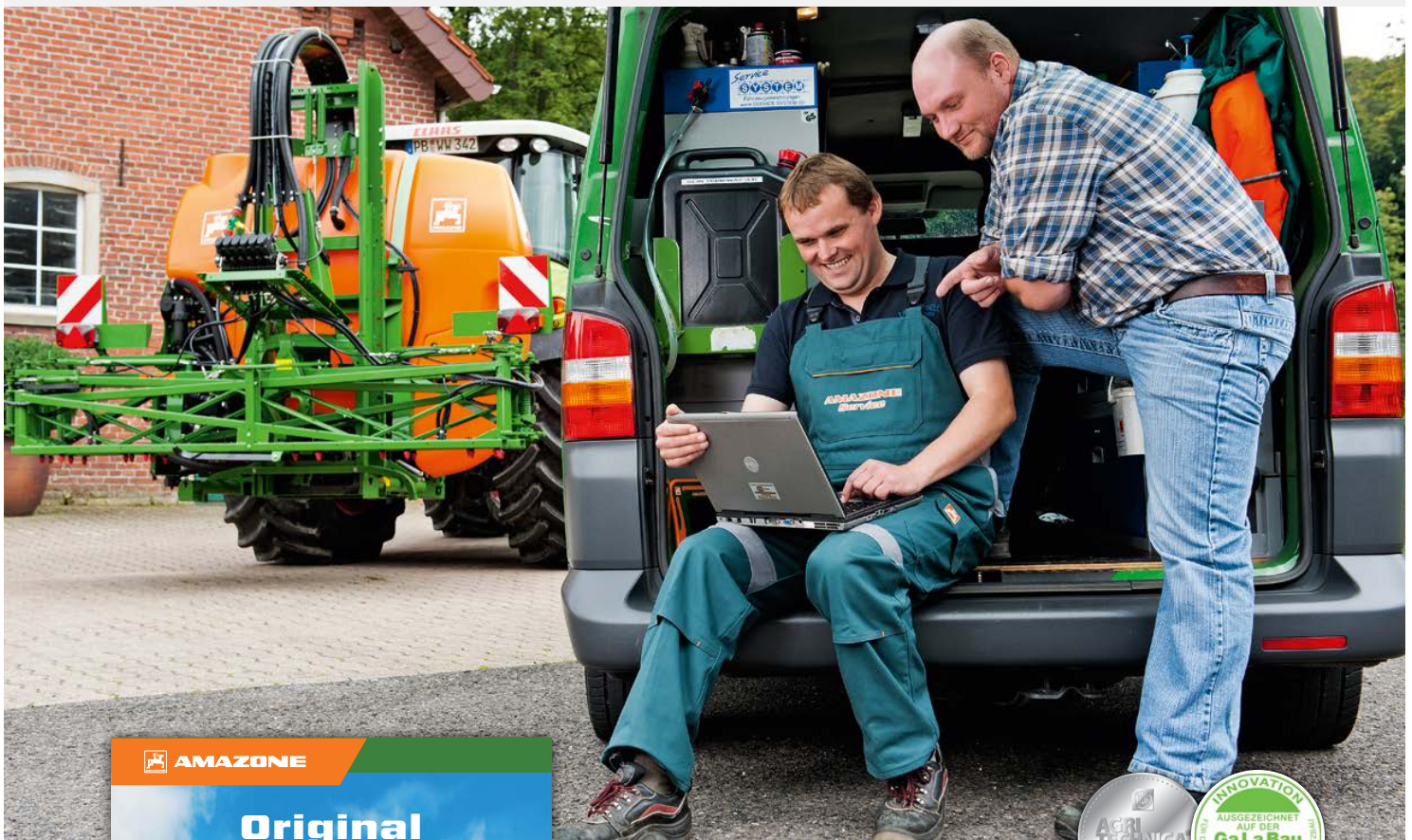
- ✔ Uniform AMAZONE operating philosophy
- ✔ Practical-oriented and logical menu structure
- ✔ Simple and clear operation
- ✔ Freely configurable user interfaces

Terminal	AmaTron 4 	AmaPad 2 
Display	8 inch, multi-touch colour display	12.1 inch, multi-touch-colour display
Mode of operation	Touch and 12 soft keys	Touch
Interfaces	Serial interface for GPS 2x USB ports	
Sensor connection (e.g. nitrogen sensor)	via SCU-L adapter	via SCU-L adapter or PeerControl
Job management and processing of application maps (ISO-XML and shape)	GPS-Maps&Doc	
Automatic part-width section control (SectionControl**)	GPS-Switch basic * with up to 16 part-width sections or GPS-Switch pro * with up to 128 part width sections	GPS-Switch pro with up to 128 part width sections
Parallel driving aid	GPS-Track * with virtual light bar	GPS-Track with virtual light bar
Automatic track following	–	GPS-Track Auto * for the Pantera self-propelled crop protection sprayer
Camera connectivity	1 x camera connection * with AmaCam automatic reversing detection	2 x camera connections *

* = optional / ** = Note the max. no. of machine part-width sections

AMAZONE – always in your vicinity

Your satisfaction is our challenge



AMAZONE SmartService 4.0

Due to the increasing use of evermore complex machine technology, AMAZONE utilises, with the SmartService 4.0, both virtual and augmented reality as well as digital media for service, training and maintenance advice.

- 1 SmartTraining:** Training and instruction in the use of complex machinery by using the Virtual Reality technology (VR).
- 2 SmartLearning:** Interactive driver's training for the user for complex machinery operation (www.amazone.de).
- 3 SmartInstruction:** Repair or maintenance instructions using Augmented Reality (AR) and via a mobile device
- 4 SmartSupport:** Direct on-hand support from the service technician via Augmented Reality (AR) and via a mobile device



The satisfaction of our customers is the most important objective

We rely on our nationwide network of expert, committed sales partners to achieve this. They are also the reliable contact for farmers and contractors when it comes to service matters. Continuous training ensures that our sales partners and service technicians are always up to date with the latest technology.

Better to choose the original right from the start

Your machines are subjected to extreme use! The quality of AMAZONE spare parts and wearing metal parts offers you the reliability and security you need for efficient soil tillage, precise sowing, professional fertilisation and successful crop protection.

Only original spare parts and wearing metal parts provide the durability and functionality expected from AMAZONE machinery. This guarantees an optimum work result. Original parts at fair prices pay for themselves in the end.

So opt for the original!

The advantages of original spare parts and wearing metal parts

- ✔ Quality and reliability
- ✔ Innovation and efficiency
- ✔ Immediate availability
- ✔ Higher resale value of the used machine



We provide you with a first class spare parts service

The spare parts warehouse in Tecklenburg-Leeden is the basis for our worldwide spare parts logistics system. This ensures optimum availability of spare parts, even for older machines.

Orders for parts in stock at the Tecklenburg-Leeden spare parts centre which are placed by 5 p.m. leave our premises the same day. 40,000 different spare parts and wearing metal parts are handled and stored via our modern warehousing system. Up to 800 orders are sent out to customers every day.

SmartLearning – The new way of driver training via a PC

AMAZONE has enhanced the service offering on its homepage with the "SmartLearning" Internet tool, a very useful function which can be found at www.amazone.de/smartlearning. "SmartLearning" is an interactive driver training programme which allows you to practice operating complex machinery both online and offline on a PC or tablet PC. The new service offer gives drivers the opportunity to familiarise themselves with the operation of a new machine before it is used for the first time. However, experienced drivers can also refresh their knowledge here, in order to make even better use of the performance potential of the machines.



Crop protection technology from AMAZONE

Benefitting from more than 50 years of experience



✓ **AMAZONE output calculator**
Calculate your own mechanisation scenarios at:
www.amazone.de/leistungsrechner

Technical data: UX Super trailed sprayers

Model	UX 4201 Super	UX 5201 Super	UX 6201 Super	UX 11201 Super
Nominal volume (l)	4,200	5,200	6,200	11,200
Tank capacity (l)	4,600	5,600	6,560	12,000
Fresh water tank (l)	580			900
Working width (m)	21 – 40			24 – 40
Transport height (m)	3.52 – 3.79		3.75 – 3.90	3.90
Transport length (m) with Super-L2 boom	6.85 – 7.50			9.70
Transport width (m) Super-L2 boom:	3-section: 2,40 4-section: 2.65		3-section: 2,60 4-section: 2.80	2.85
Transport width (m) Super-L3 boom:	2.55		2.75	
Empty weight (kg)	3,500 – 4,998	3,707 – 5,042	3,959 – 5,221	7,870 – 8,284
Pump capacity (l/min)	520			700
Max. suction capacity (l/min)	700			900
Ground clearance	up to 0.82 m			
Spraying height	0.5 – 2.5 m			
Operating pressure, max. (bar)	10			

Illustrations, content and technical data are not binding! Deviations of technical data are possible depending on the equipment. The illustrations may deviate from the requirements for local road traffic regulations.



The smaller alternatives – The UX Special and UG trailed sprayer

For smaller farms, AMAZONE offers the UX Special and UG trailed sprayers with tank capacities from 2,200 to 5,200 litres. Further information can be found in the machine specific brochures.



AMAZONE



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