AMAZONE

Trailed sprayer **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, 7,600 l, 8,600 l and 11,200 l is characterised in particular by its extremely comfortable handling concept. The Super-L2 and Super-L3 sprayer booms, in widths from 21 to 48 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 Super

efficient – precise – comfortable

	Page
The advantages at a glance	4
The models	6
Frame | Drawbar | Drawbar mounting | Towing eyes | Hydraulic parking jack	8
Axles	10
Frame | Drawbar | Axles | UX7601 | UX8601	12
AutoTrail steering systems	14
UX 11201 Super tandem chassis	16
UX 11201 Super steering	18
Tank | Main agitator | XtremeClean intensive cleaning system	20
Pump equipment	22
Operation | SmartCenter	24
DirectInject direct feed system	30
Operation | Overview of SmartCenter | Induction bowl	32
Booms	34
Pressure recirculation system	50
Electric individual nozzle control	52
AmaSelect CurveControl	58
AmaSelect Row	60
AmaSelect Row and CurveControl	62
AmaSelect Spot	64
Nozzles	66
Equipment	70
ISOBUS	72
AMAZONE service	80
Technical data	82

profi INTERNATIONAL DRIVEN-TESTED-RATED AMAZONE UX 4201 SUPER TESTED: AUGUST 2020

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

UX Super trailed sprayer

21 m – 48 m

4,200 l – 11,200 l

2 to 96 part-width sections

520, 600 or 700 l/min
pump capacity

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°
- 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/min ensure high application rates even at high spray pressures
- 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 ensure continuous circulation of the spray agent
- 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

MORE INFORMATION

www.amazone.net/ux-super

PRODUCT FILM
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SMARTLEARNING
www.amazone.net/smartlearning

The right UX Super for any farm

Overview of the different models

The models

The UX Super trailed sprayers from AMAZONE are extremely precise crop protection sprayers with a large selection of different tank capacities. Designed for challenging operating conditions and high area coverage, spraying can be carried out with the UX Super with working widths up to 48 m. The easy handling and adjustment mean that the UX Super is a crop protection sprayer which offers the highest comfort.

The features at a glance

- Tank capacities from 4,200 l to 11,200 l
- Boom widths up to 48 m
- Working speed up to 18 km/h
- Spraying heights from 0.5 m to 2.50 m
- Ground clearance up to 0.82 m

UX 5201 Super

All UX Super models at a glance:

Model	Boom width	Nominal volume	Pump capacity
UX 4201 Super	21 – 48 m	4,200 l	520 l/min (2 x 260 l/min)
UX 5201 Super	21 – 48 m	5,200 l	520 l/min (2 x 260 l/min)
UX 6201 Super	21 – 48 m	6,200 l	520 l/min (2 x 260 l/min)
UX 7601 Super	21 – 48 m	7,600 l	600 l/min (1 x 250 + 1 x 350 l/min)
UX 8601 Super	21 – 48 m	8,600 l	600 l/min (1 x 250 + 1 x 350 l/min)
UX 11201 Super	30 – 48 m	11,200 l	700 l/min (2 x 350 l/min)

UX 7601 Super

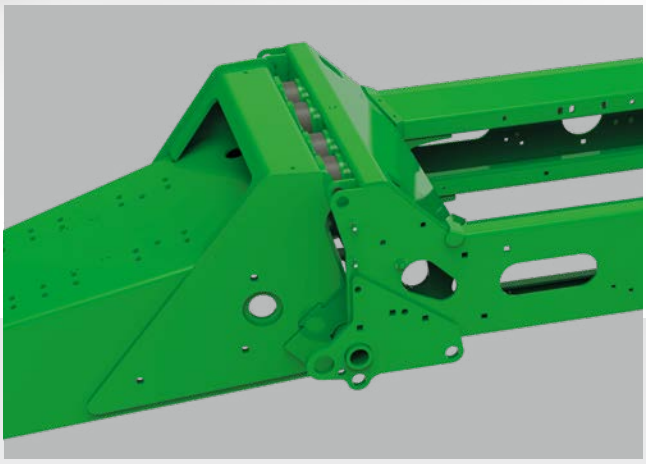
UX 11201 Super

Frame and drawbar for UX 4201, UX 5201 and UX 6201

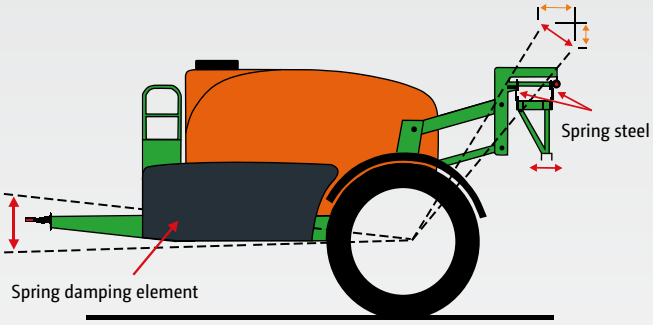
Perfect down to the last detail

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 for the UX 4201 to UX 6201 and the UX 11201



Drawbar damping – For protection of the booms

The drawbars of the UX 4201 to UX 6201 and the UX 11201 are provided with an important design element, the drawbar shock absorbance system. 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 need it to be!

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. Choose between top hitch or lower mounting, towing eyes with a diameter of 40 mm or 50 mm or the K80 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 K80 ball coupling and hydraulic parking jack

Discover the possibilities

A wide variety of axles for the UX 4201, UX 5201 and UX 6201

The AutoTrail axle steering in operation

Rigid axle with track widths of 1.50 m to 2.25 m

Adjustable axle with step-less track width adjustment from 1.50 m to 2.25 m for the UX 4201

Axles and brakes – safety first!

The wide 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 step-less 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 for automatic true-track following

Hydro-pneumatic axle suspension with AutoTrail axle steering for the UX 4201 and UX 5201

AutoTrail axle steering

Everything in one piece

Frame and drawbar of the UX 7601 and UX 8601

Drawbar and frame in one piece

The drawbar and frame are constructed as an integrated unit from high-tensile steel. This construction method provides optimum weight distribution and an extremely compact sprayer design.

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.

Lower mounted drawbar with K80 ball coupling and hydraulic parking jack

Various options for any demand

The axles of the UX 7601 and UX 8601

Unsuspended axle

The unsuspended axle supplied as standard is attractively priced and acceptable for many applications. It is ideal for farms which have short distances from the farmyard to the field and therefore spend little time on the road.

Unsuspended axle

Passively-suspended axle

The passively-suspended axle is characterised by a perceptibly smoother machine position. In particular, it makes driving on the road more comfortable. Furthermore, undulations on the field are compensated for more effectively.

Passively-suspended axle

Actively-suspended axle

The actively-suspended axle provides the perfect suspension on the machine. It is impressive on the road as a result of its extremely smooth handling characteristics. Deep wheel tracks are also optimally compensated forin the field. This suspension is particularly suitable for farms which pay special attention to the protection of their machines.

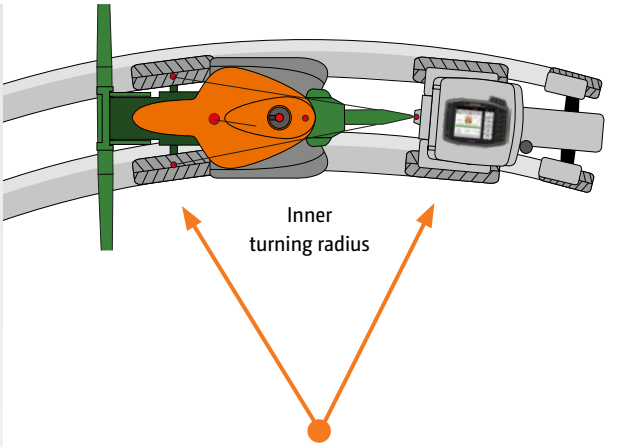
Axle with active suspension

Always remain on track!

Steering systems for the single-axle UX Super models

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 when on a straight run. 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 agrar magazine" – Test report "Safe in the track"· 06/2011)

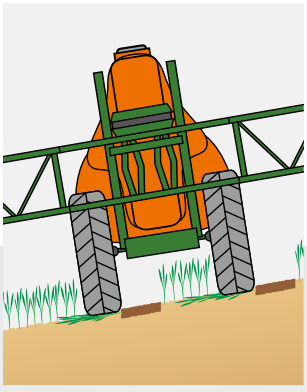
Clever AutoTrail steering

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.

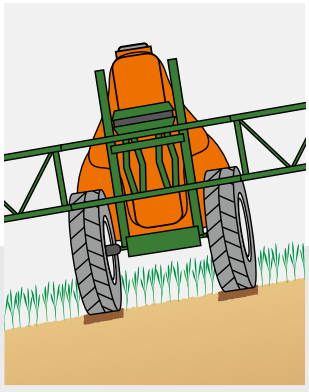
Slope compensation for AutoTrail steering

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 on 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 closed hydraulic system ensures the same load distribution on all 4 wheels at all times. 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.

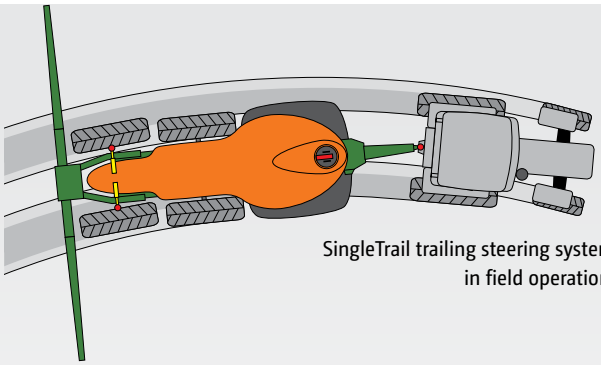
DoubleTrail – fully automatic axle pivot steering

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.

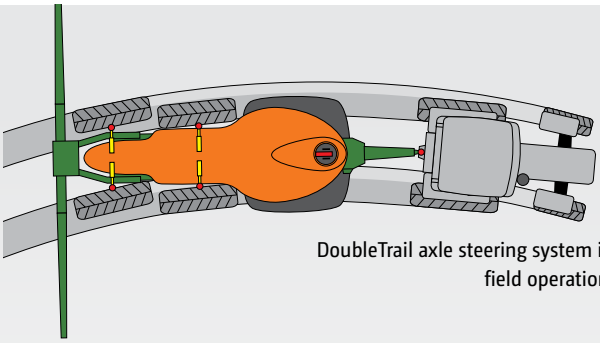
The first axle now truly follows the tracks of the tractor's rear wheels; the second axle follows the track of the tractor's front wheels. A high level of directional stability with respect to the tractor is achieved and, more importantly, the sprayer boom is not negatively affected by the steering movements.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



SingleTrail trailing steering system in field operation.

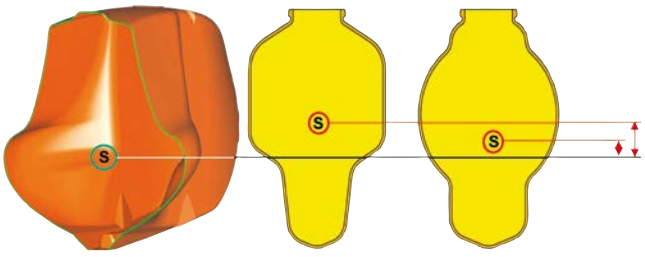


DoubleTrail axle steering system in field operation.

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.



AMAZONE Other makes S = centre of gravity

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 of the single-axle UX 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.

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.

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.

- Optional for all single-axle UX Super trailed sprayers

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.

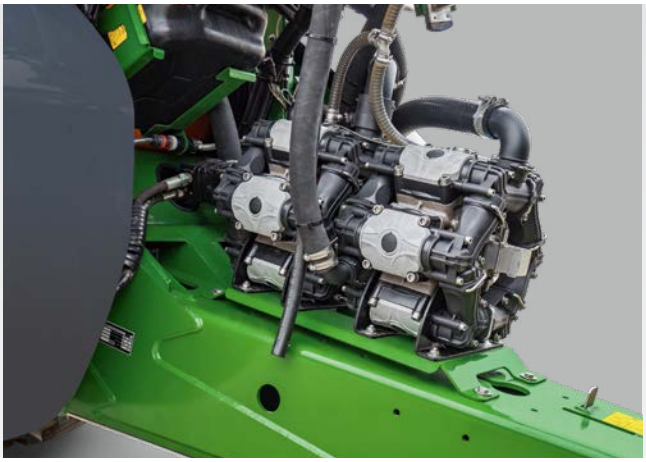
High performance and efficient

Pump systems for the UX Super

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



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

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 7601 Super	600 l/min (1x 250, 1x 350 l/min)	800 l/min
UX 8601 Super	600 l/min (1x 250, 1x 350 l/min)	800 l/min
UX 11201 Super	700 l/min (2 x 350 l/min)	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.

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

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

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.

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

Advantages of the SmartCenter:
- 2 storage compartments on the left-hand side – for added space and tidiness
- 240 litre lockable storage compartment with a removable intermediate shelf on the right-hand side
- High-performance 60 litre induction bowl
- Optional LED lighting

"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)

"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 operating elements for Standard-Pack on the UX Super

1) Induction bowl
2) Control tap for pressure / 7-way pressure tap
3) Control tap for venturi
4) Control tap for secondary agitator
5) Control tap for main agitator
6) Control tap for suction valve
7) 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 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 opposed 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 operating elements for Comfort-Pack on the UX Super

1) Induction bowl
2) Control tap for pressure / 7-way pressure tap
3) Control tap for venturi
4) TwinTerminal 3.0
5) Control tap for suction valve
6) Control tap for fill port for spray agent tank
7) Control tap for fill port for fresh water tank

SmartCenter with Comfort-Pack – operation 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

The operating elements of the Comfort-Pack plus on the UX Super

1) Induction bowl
2) TwinTerminal 7.0
3) Control tap for fill port for fresh water tank

"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)

TwinTerminal 7.0 with pressure-sensitive touchscreen

Handling is made especially comfortable by Comfort-Pack plus. Instead of operating taps, TwinTerminal 7.0 makes machine operation much easier with its pressure-sensitive touchscreen. 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 operator only has to select 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. Then only the hose has to be coupled for filling, and the machine automatically fills the spray agent tank and fresh water 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 fill, the induction bowl rinses itself on its own.

"A 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

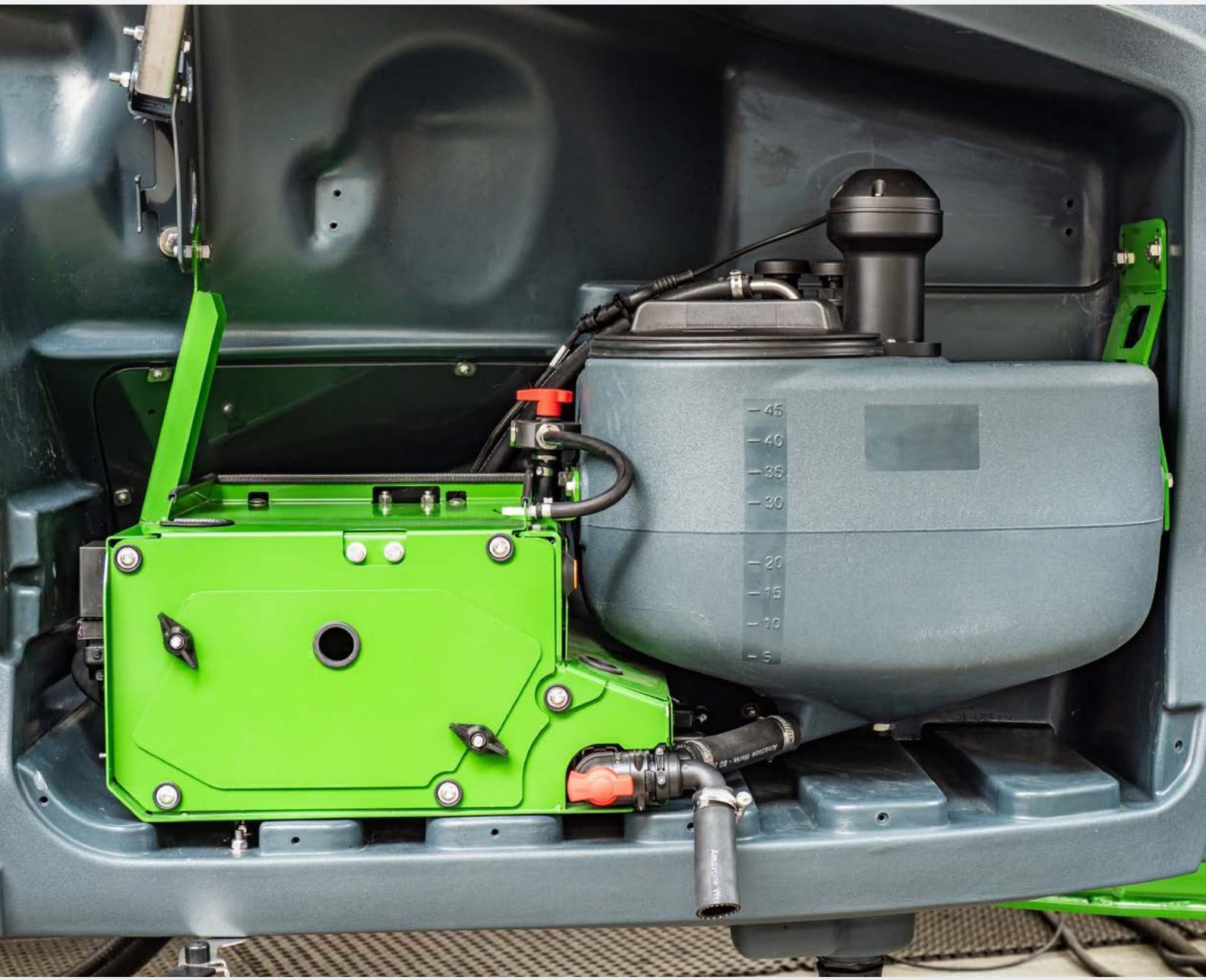
In conjunction with Comfort-Pack plus and a load-sensing system, an optional 160 l/min capacity fresh water pump is available. This can be used to supply the induction bowl with fresh water from the fresh water tank during bowser filling. If a fresh water pump is specified, the fresh water tank and the spray agent tank can be filled in parallel via the suction hose. The additional fresh water pump also allows quicker 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 the induction bowl
- Maximum capacity: automatic quick fill via the venturi when the chemical induction is completed
- Auto-dynamic agitation control

DirectInject direct feed system

Quick, flexible and needs-based metered addition of plant protection agents



Why use DirectInject?

The demands on farmers and technology are constantly increasing with regard to plant protection. Flexibility in the selection of plant protection agents in the field becomes an increasingly important point here. From a plant establishment perspective, the needs-based application of specific products and active ingredients only in sections or on individual fields is a frequent response. There are also restrictions relating to protection-sensitive fields and bodies of water which farming must consider when selecting the appropriate plant protection agents.

Activation of DirectInject in the AmaTron 4 terminal

DirectInject tank with integrated sieve for easy and safe filling

System overview

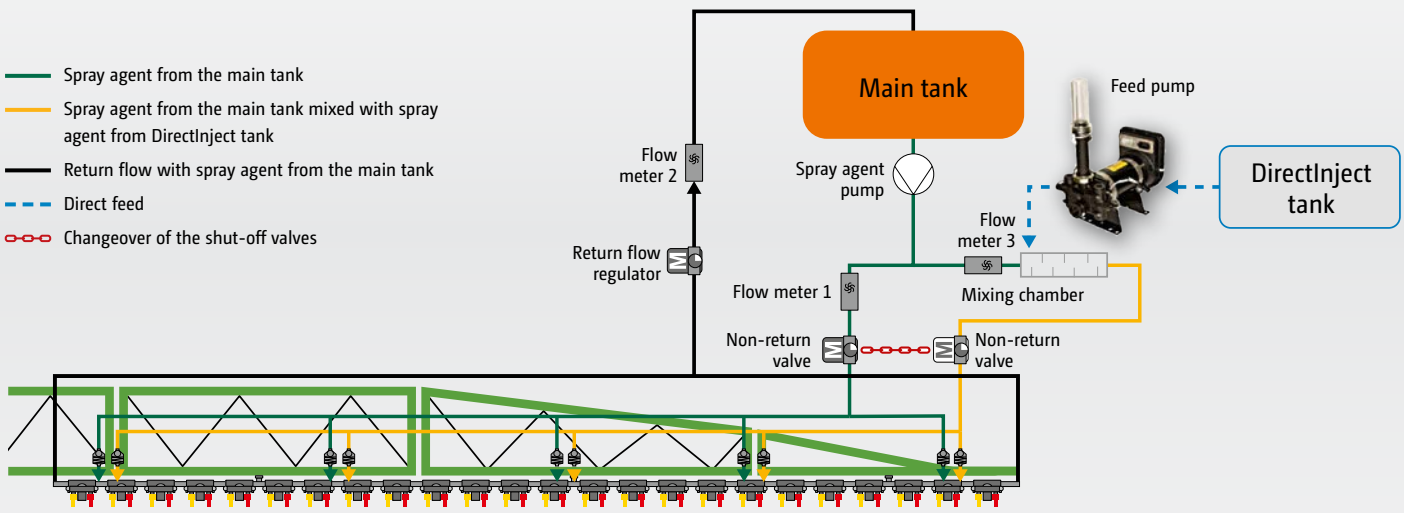
DirectInject from AMAZONE is a system for the direct injection of plant protection agents. These can be injected or stopped during application as required. The special feature of DirectInject compared to conventional systems is the fast response time of the injection process and its complete integration in the spray agent circuit and operation of the sprayer. DirectInject consists of an additional 50 l tank with its own metering system, which is integrated into the storage compartment of the UX 01 Super on the right-hand side of the machine. The integration of these components in the storage compartment also provides optimum protection for all the equipment.

The advantages at a glance:

- Flexible, fast and needs-based use of plant protection agents
- Optimum crop canopy
- Environmentally-friendly
- Savings on:
  - Working time and labour costs
  - Machine costs
  - Plant protection agents

Application in the field

If the driver of the sprayer notices, for instance, a prevalence of unwanted weeds that need to be controlled in a specific part-area, they can activate the DirectInject metering from the cab at the touch of a button. The supplementary product taken from the DirectInject tank, which is integrated into the storage compartment, is then added to the spray agent from the main spray agent tank in the mixing chamber. The optimised reaction time compared to conventional systems is achieved by a twin-line system. Pre-mixed spray agent from the spray agent tank and the plant protection agent from the DirectInject tank are held in a second spray line in the boom. When the direct feed system is activated, the mixture is supplied to the nozzle bodies via several injection points on the boom and applied through the nozzles. This guarantees minimal reaction times. In this regard, the valve for the spray agent from the spray agent tank and the valve for the second spray line with the premixed DirectInject agent are switched alternately, meaning that spray agent is only taken from one line at any time.



Short routes along the boom for fast reaction times

Reaction distance in the field approx. 30 m

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 fill	- 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 at 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	Increased performance for canister cleaning	■	■	■
	Automatic cleaning of the induction bowl	–	–	■
	2 individually programmable fill profiles	–	–	■
	Adjustable filling and foam damping function	–	–	■
	Electric emptying of spray lines and filters	–	–	■
	Fresh water pump with continuous internal cleaning	–	–	■
Agitation	Manually adjustable agitation level	■	–	–
	Fill level dependent, auto-dynamic agitation control	–	■	■
Cleaning	Manually actuated cleaning	■	–	–
	Remote cleaning control via the in-cab terminal	–	■	■
	XtremeClean	–	□	□
Other	HighFlow+	–	□	□
	DirectInject	–	–	□

* = 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 performance 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 central 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

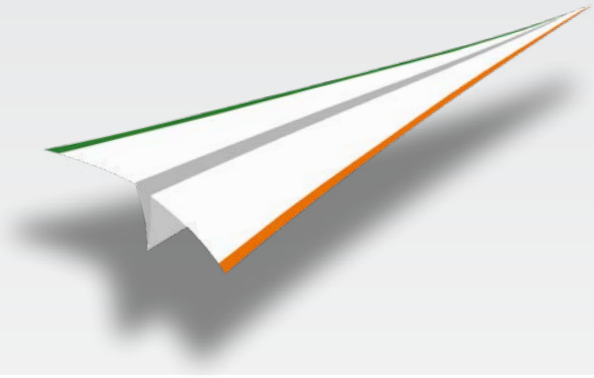
"Also other little details help during the cleaning procedure, such as the possibility to be able to flush the induction bowl with fresh water when pressure filling."

("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

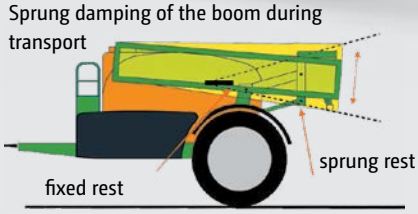


Super-light, super-stable and super-compact at the same time

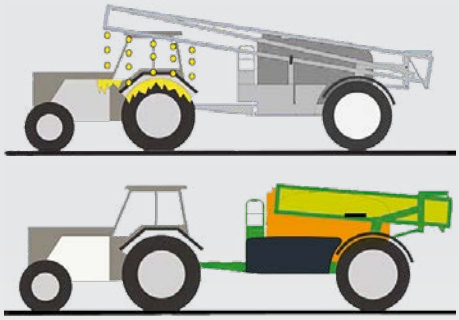
Thanks to the special profile design, AMAZONE booms are, simultaneously, superbly light and superbly strong. Boom widths from 21 to 48 m allow optimum adaptation of the sprayer to the field size of the farm. The exceptionally high-quality ensures a long operational life even across very high acreages.

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

AMAZONE booms



✓ Everything is shipshape: The boom is located safely without movement in the 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.



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

✓ 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

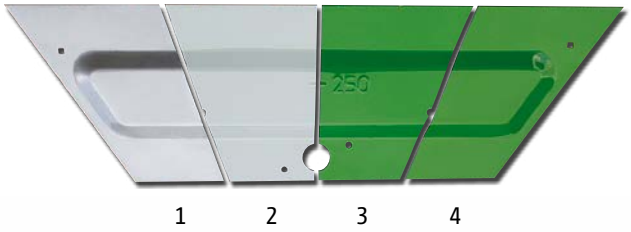
The decades of experience in boom design pays off: the conical hinge pin is the intelligent centre of a well thought-out boom philosophy! The boom pivots self-adjust against any play on the conical hinge pins, thereby ensuring an optimised boom function for the end user, even after many years.

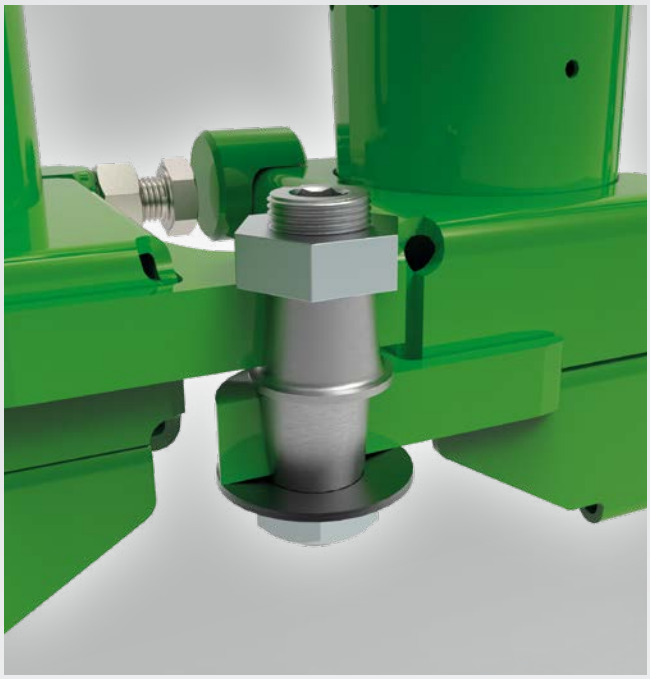
The standard use of stainless steel, the use of automotive-industry standard, cathodic dip painting process and the targeted use of plastics and aluminium are the perfect guarantee of a long service life.

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 robust, spacious platform ensures convenient, safe access

Super-L booms

Super-stable, super-light and super-compact

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.

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

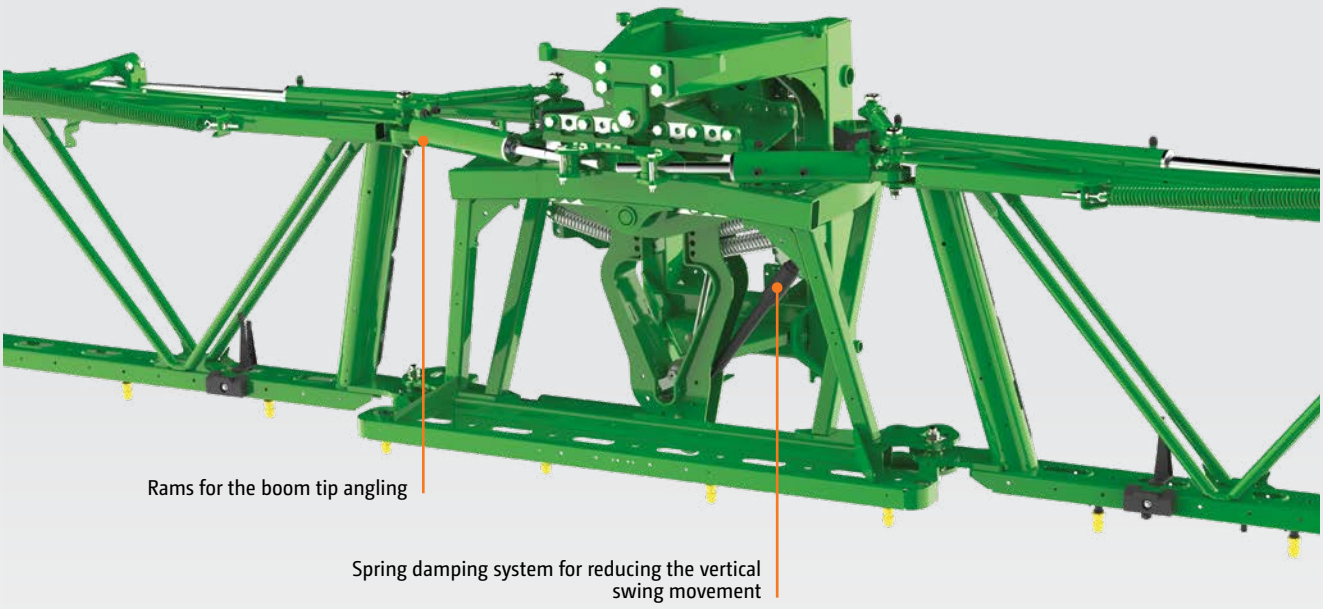
"In the premier league: the Amazone UX 4201 Super with ContourControl is top of the class in terms of handling and boom guidance".

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

Super-L2 boom

Super-light, super-stable and super-compact for widths up to 36 m

Super-L2 boom suspension



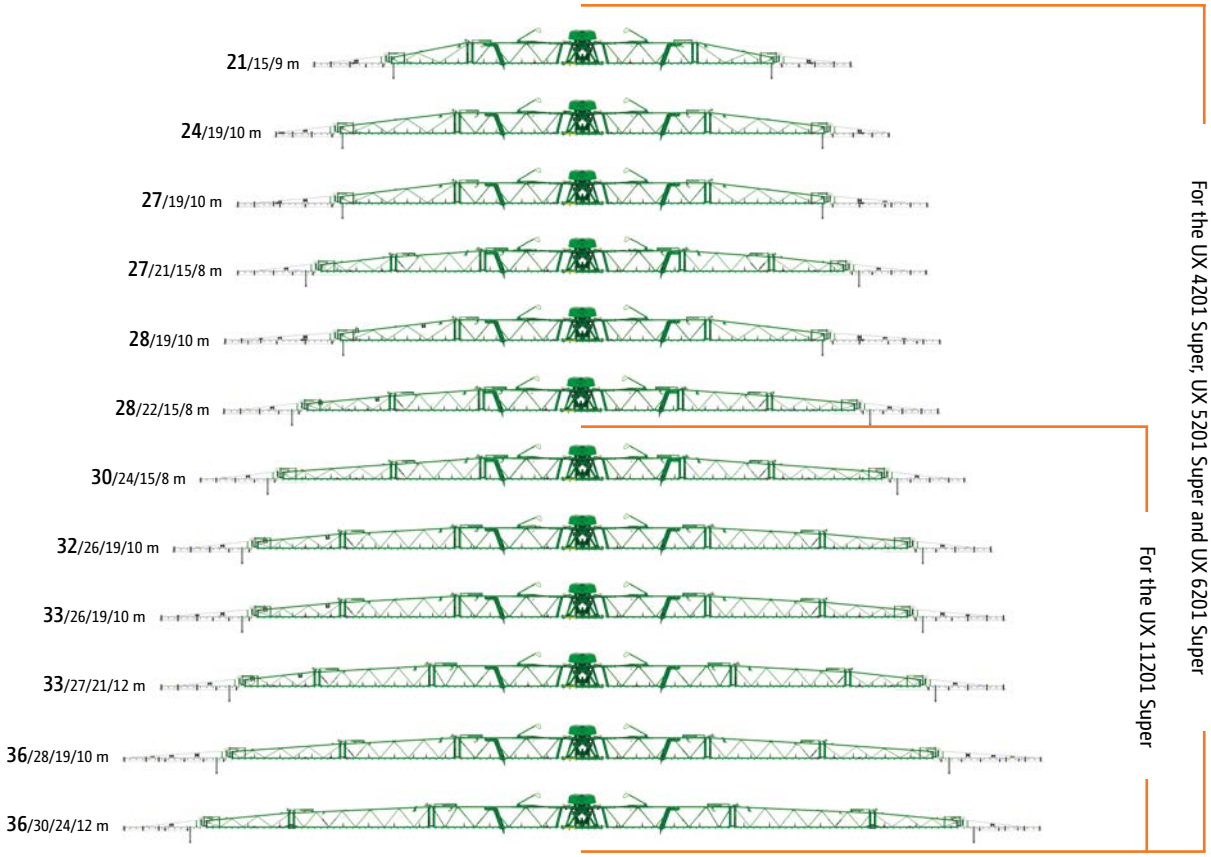
Super-L2 boom with a width of 36 m, folding down to 30 m, 24 m and 12 m

Super-L2 boom in boom widths from 21 to 36 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 and 36 m (UX 6201: 2.80m).

Wide boom profiles with multiple folds provide maximum rigidity yet with a very low weight.

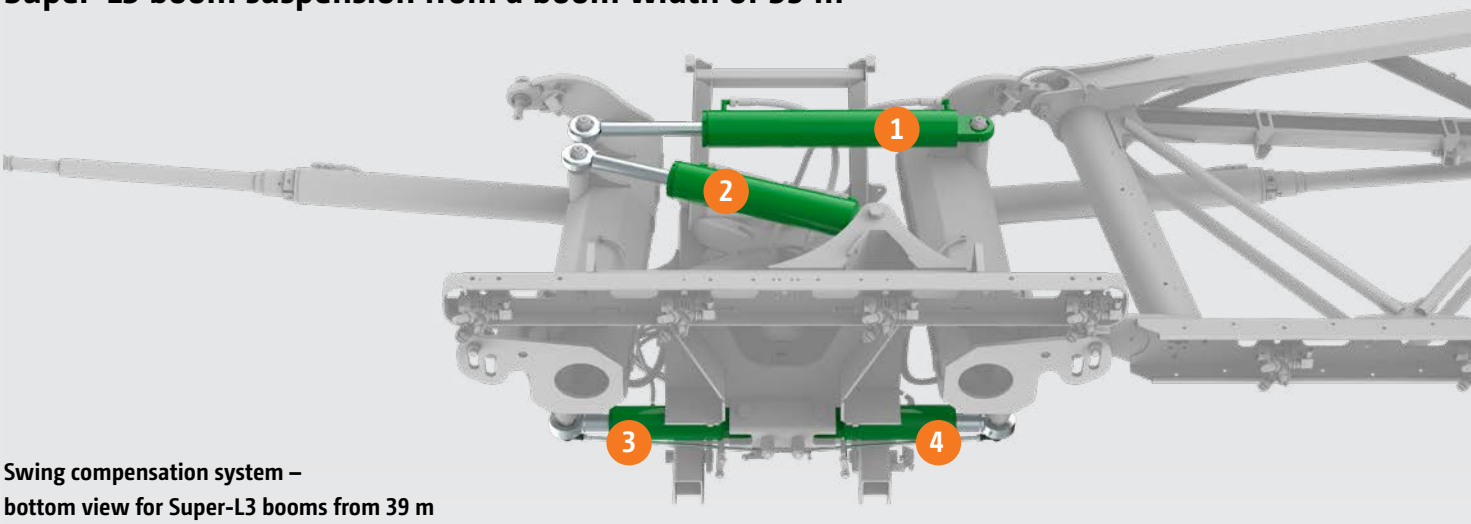
Potential folding widths of the Super-L2 boom



Super-L3 boom

Super-light, super-stable and super-compact for widths up to 48 m

Super-L3 boom suspension from a boom width of 39 m



Swing compensation system –
bottom view for Super-L3 booms from 39 m

① Positive angling cylinder: Positive and negative angling of the right-hand boom section
② Tilt cylinder: tilt adjustment of the entire boom in conjunction with the positive angling cylinder (1) Positive and negative angling of the left-hand boom section
③ SwingStop plus cylinder, left: active swing compensation of the left-hand boom section
④ SwingStop plus cylinder, right: active swing compensation of the right-hand boom section

Super-L3 boom with a boom width of 36 m, folds down to 24 m and 12 m

Super-L3 boom in boom widths from 30 to 48 metres

The special AMAZONE profile design of the boom provides maximum stability with a low overall weight. The inner boom sections of the Super-L3 boom are made of steel. The outer boom sections are manufactured from aluminium to keep the total weight down to a minimum. The advantage of the light-weight outer boom sections is that only a little amount of extra weight has to be guided smoothly over the crop on the outside. Smooth boom guidance at the boom ends is extremely important, especially in the case of large working widths. The profiles of the penultimate boom section of the 48 m wide Super-L3 boom are made of carbon fibre for maximum rigidity with a low weight.

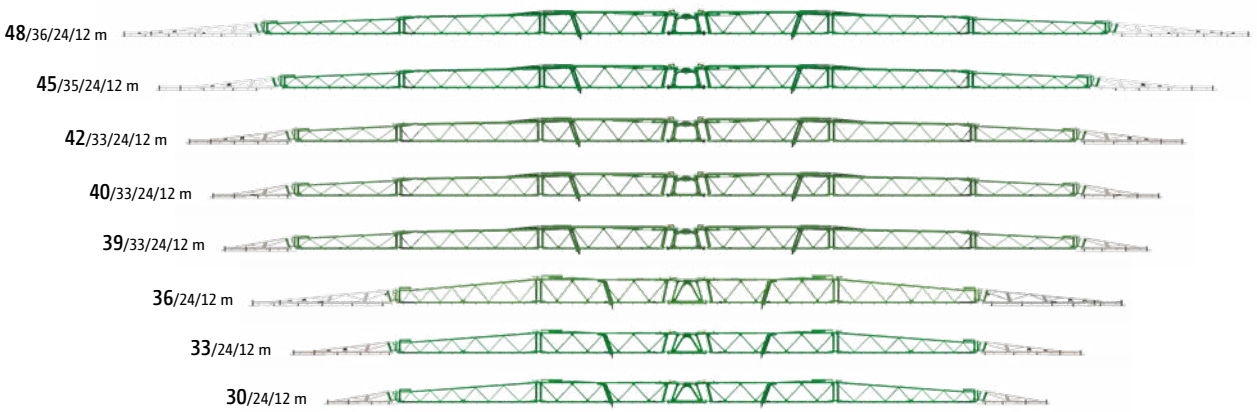
The hydraulically pressurised break back system on the boom end (which works just like the saloon door principle) can cope with obstacles from the back, front or from the top and ensures a reliable return to the working position and a long service life.

Always the best level of equipment

Super-L3 booms from a width of 39 m are equipped as standard with ContourControl active boom guidance, SwingStop plus boom tip swing compensation and AmaSwitch or AmaSelect individual nozzle control with DUS pro in each case.

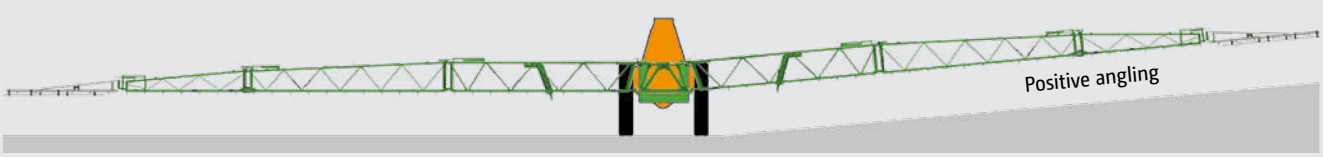
The substantial boom sections with hydraulically pressurised break back joints in the boom ends ensure an absolutely smooth boom ride under any conditions. If any vibrations caused by cornering or acceleration occur in spite of the massive design, they are directly reduced by SwingStop plus.

Boom widths for the Super-L3 boom

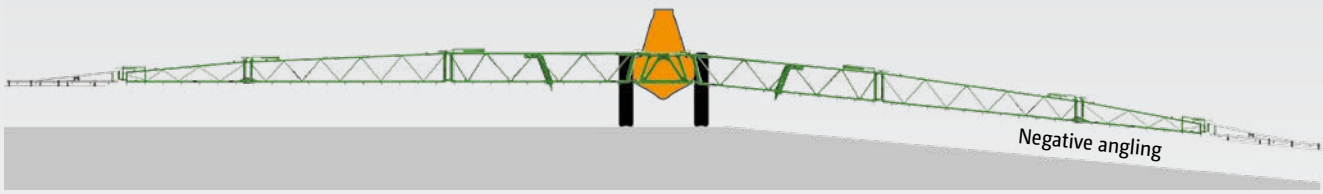


The outstanding made easy

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



Positive angling (via Flex-fold 2)



Negative angling (via Flex-fold 2 in combination with ContourControl)

"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.

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-folding

AMAZONE offers two electro-hydraulically actuated boom fold 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.

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

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.

Flex-fold 2

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

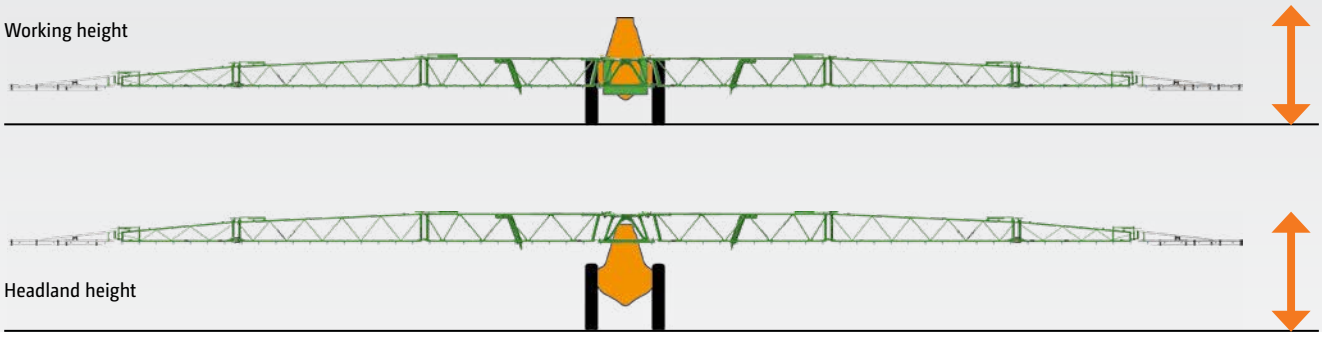
- One-sided/simultaneous positive boom angling
- One-sided/simultaneous negative boom angling

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 working 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

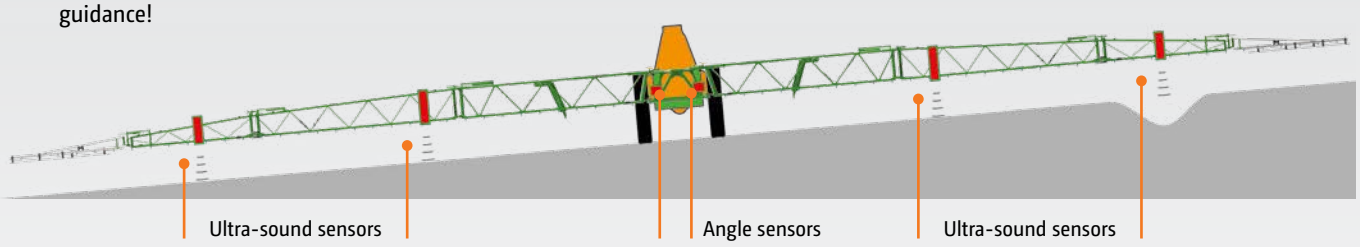
AMAZONE offers for Super-L booms, either DistanceControl fully automated boom control with 2 sensors or DistanceControl plus with 4 sensors. If the crop height varies greatly or there are areas with partially lodged corn, the boom could dip into the crop if equipped with just 2 sensors.

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 sensing.

Benefits of the DistanceControl boom guidance

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

- DistanceControl plus
  The driver is able to concentrate on correctly applying the plant protection agent, whilst the electronics look after the boom guidance!



ContourControl and SwingStop

Active boom guidance and boom tip swing compensation under difficult conditions

ContourControl – Reduces those vertical boom movements

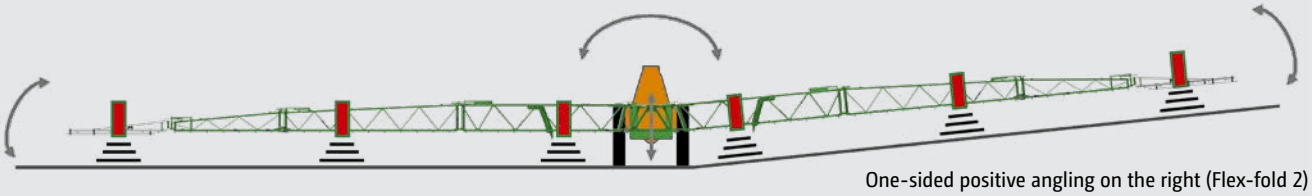
With the active boom guidance system, ContourControl, AMAZONE offers a fully automatic boom guidance system for booms from 21 m working width. This meets the increasing demand for higher precision during application owing to the minimal deviations in the distance from the target surface, even at high forward speeds and large working widths. 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 system is a highly responsive electro-hydraulic system and 4 sensors, or as many as 6 sensors in combination with Flex-fold 2, which enable both automatic positive and negative angling.

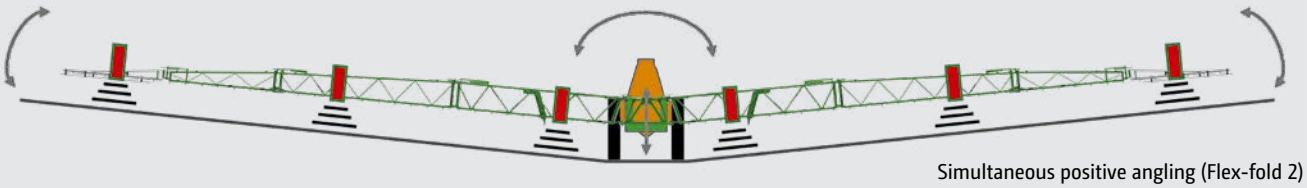
Super-L2 boom suspension

The benefits of ContourControl:

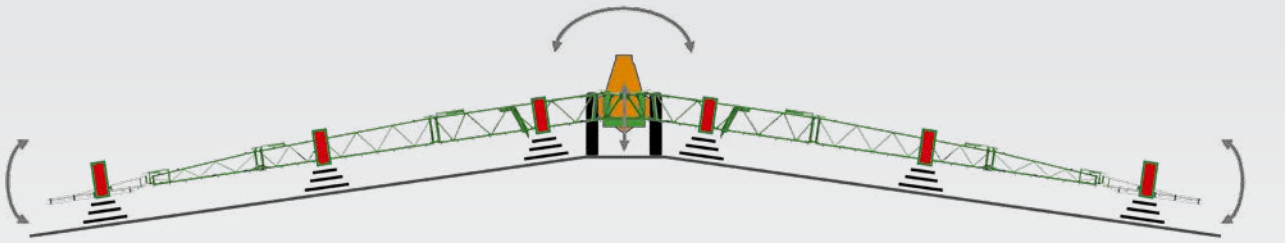
- Optimum lateral distribution
- Precise, super-fast automatic height guidance
- Target surface distance below 50 cm – less drift
- Very quick folding processes
- Higher accuracy at faster working speeds
- Elegant boom control for those wider working widths



One-sided positive angling on the right (Flex-fold 2)

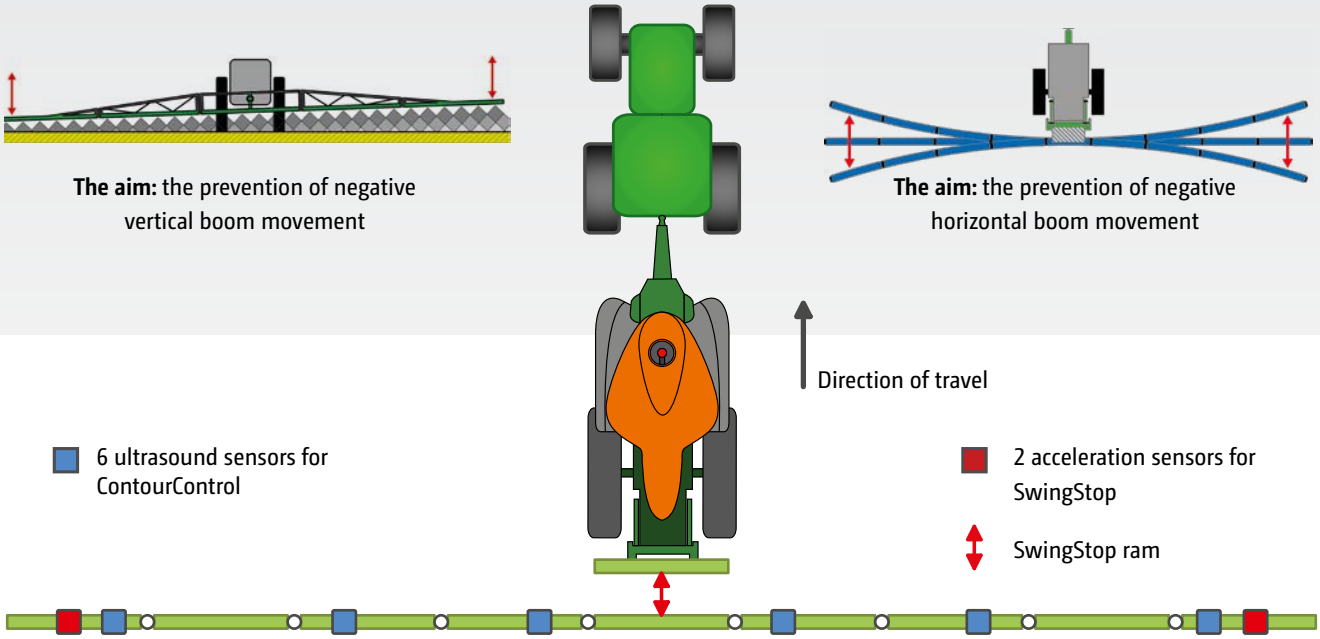


Simultaneous positive angling (Flex-fold 2)



Simultaneous negative angling (Flex-fold 2)

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 widths and higher forward speeds, AMAZONE offers 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 under extraordinary strain in the horizontal plane. This may result in the boom ends swinging back and forth and thus negatively affecting the lateral distribution at the outer ends of the booms.

Since horizontal movement occurs more at the boom ends, this effect is amplified by large boom widths. To reduce this horizontal tip 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.

The benefits of SwingStop:

- Optimum longitudinal distribution
- Reduction of the horizontal boom movement for a very smooth boom ride
- A system which operates very quickly and precisely, even at 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 and 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)

SwingStop plus

The right solution for any requirement

Swing compensation system for Super-L3 booms from 39 m

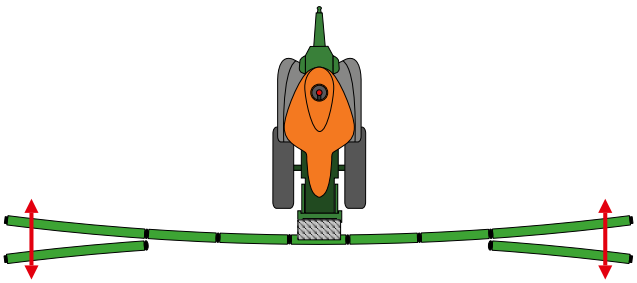
SwingStop plus – independent boom tip swing compensation for each half of the boom

A new swing compensation system is used with Super-L3 booms in boom widths from 39 m which includes the new SwingStop plus boom tip swing compensation. This offers the well-known advantages of SwingStop but differs in the fact that the movement in each the two halves of the boom is hydraulically damped independently of each other in the direction of travel. This provides an even better basis for the optimum longitudinal distribution of the spray application.

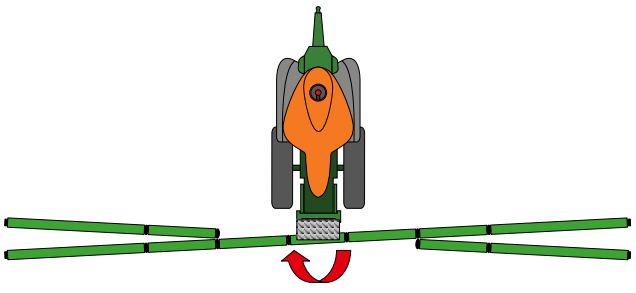
Reducing symmetrical and asymmetrical oscillations

SwingStop plus can compensate extremely effectively against symmetrical oscillations which occur through acceleration and braking. The new design of the swing compensation system now permits the individual control of either boom half. In SwingStop plus, each boom section is equipped with a hydraulic cylinder which actively counteracts any oscillations which occur in that boom half.
This means that even asymmetrical boom oscillations which occur after negotiating bends are effectively reduced.

Symmetrical oscillation
mainly during field work



Asymmetrical oscillation
mainly in and after bends



Overview: boom guidance

Product type	UX Super				
Folding	Profi-fold 1	Flex-fold 1	Flex-fold 2	Flex-fold 1	Flex-fold 2
Automatic boom guidance (option)	DistanceControl (plus)			ContourControl	
Number of relevant sensors	2 (4)			4	6
Number of spool valves	1 single-acting + free flow return / Load-Sensing system (Option)				
Sprayer boom folding in and out	controlled remotely (terminal)				
One-sided, independent boom fold	controlled remotely (terminal)				
Folding in to a reduced working width	remote control	automatic			
Break back protection at reduced working width	Option	Standard			
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/simultaneous positive boom angling	–		automatic	–	automatic
One-sided/simultaneous negative boom angling	–				automatic
Active horizontal boom tip swing compensation (option)	–			SwingStop	SwingStop / SwingStop plus *
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			

* SwingStop plus with L3 boom from 39 m

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 sections are switched quickly and without drips via electric motor valves with pressure relief. The spray rate is precisely and quickly controlled directly by the machine's job computer in all situations.

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 triple or quad nozzle bodies are suited to frequent nozzle changes due to different applications and crops.

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

DUS pressure recirculation system

High output and reliable

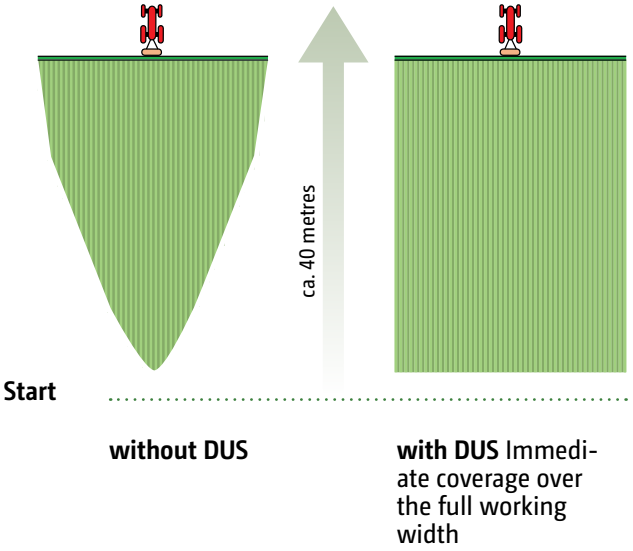
DUS pressure recirculation system

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

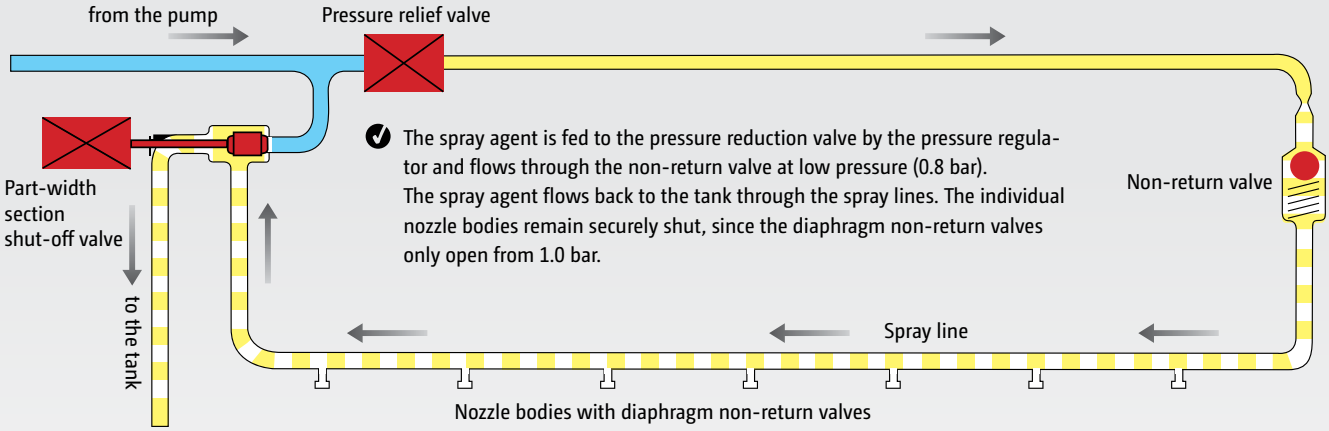
The AMAZONE DUS pressure recirculation system ensures a reliable circulation throughout the entire system. When starting the spraying operation, all the hoses including the spray lines are filled under pressure in the reverse direction with the pre-mixed spray agent. This means the spray lines are always 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 with part-width section switched off



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.

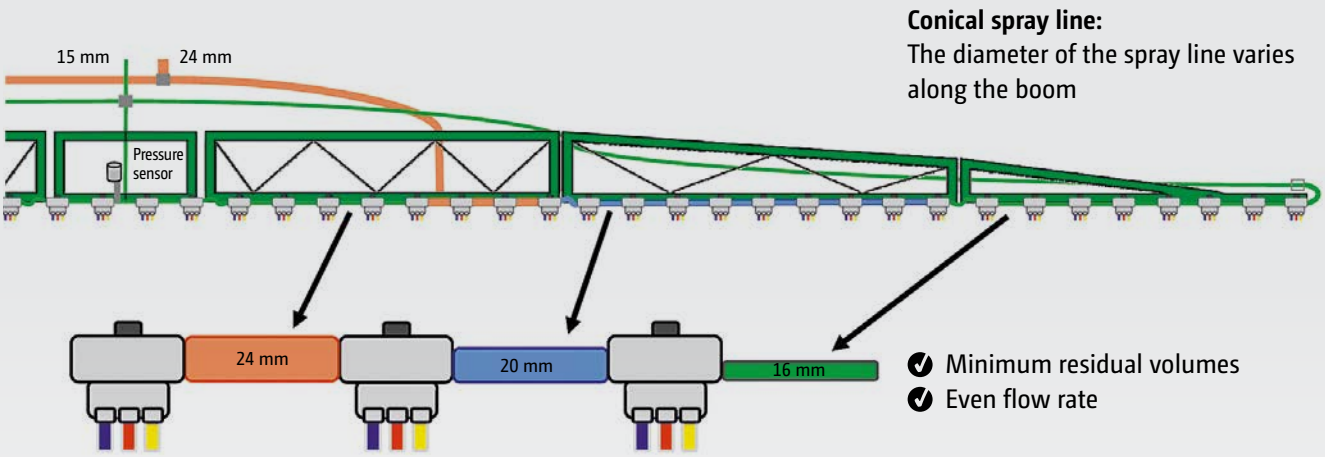
Standard equipment with AmaSwitch includes the DUS pro high pressure recirculation system and, in addition, can be equipped with LED individual nozzle lighting.

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 body

DUS pro – constant spray pressure with minimal residual volumes



Conical spray line:
The diameter of the spray line varies along the boom

- Minimum residual volumes
- Even flow rate

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

AmaSwitch triple nozzle body with LED individual nozzle lighting

Triple nozzle body with electric on/off switching

The technology behind AmaSwitch is based on a conventional, manually rotated, triple 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 also possible to configure the amount of part-width sections from choice.

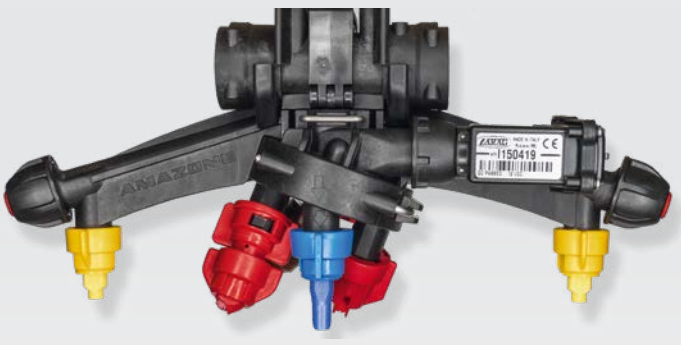
Quad nozzle body with electric on/off switching

In addition to the triple nozzle body, AmaSwitch electric individual nozzle control can also be equipped with a quad nozzle body.

With true 25 cm nozzle spacing

The quad nozzle body enables a perfect 25 cm nozzle spacing to be achieved with the aid of the optional off-set 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.

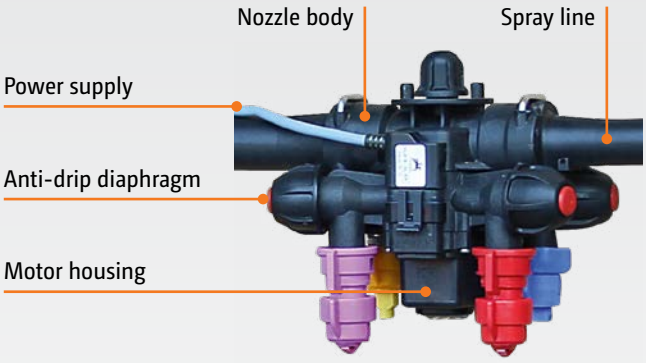
AmaSwitch quad nozzle body



AmaSwitch with quad nozzle body and off-set 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 quad nozzle body with electric on/off control plus, additionally, the switching over to either another nozzle or 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. So 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 individual 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 in 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 individual nozzle control with quad 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 automisation improves the efficiency of the crop protection agent used as well as decisively relieving the stress on the driver.

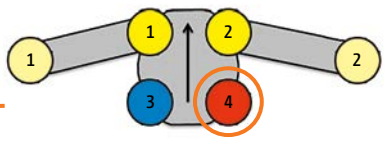
High-End as standard – LED individual nozzle lighting and DUS pro

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

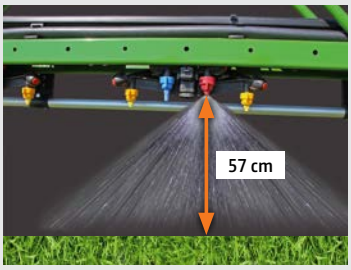
The crop protection technology of the future is already here

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

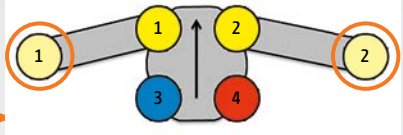
Principle of function of HeightSelect



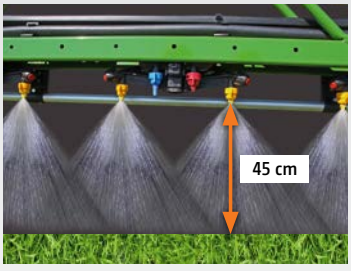
Automatic spraying height: 57 cm



110° nozzles: 50 cm nozzle spacing



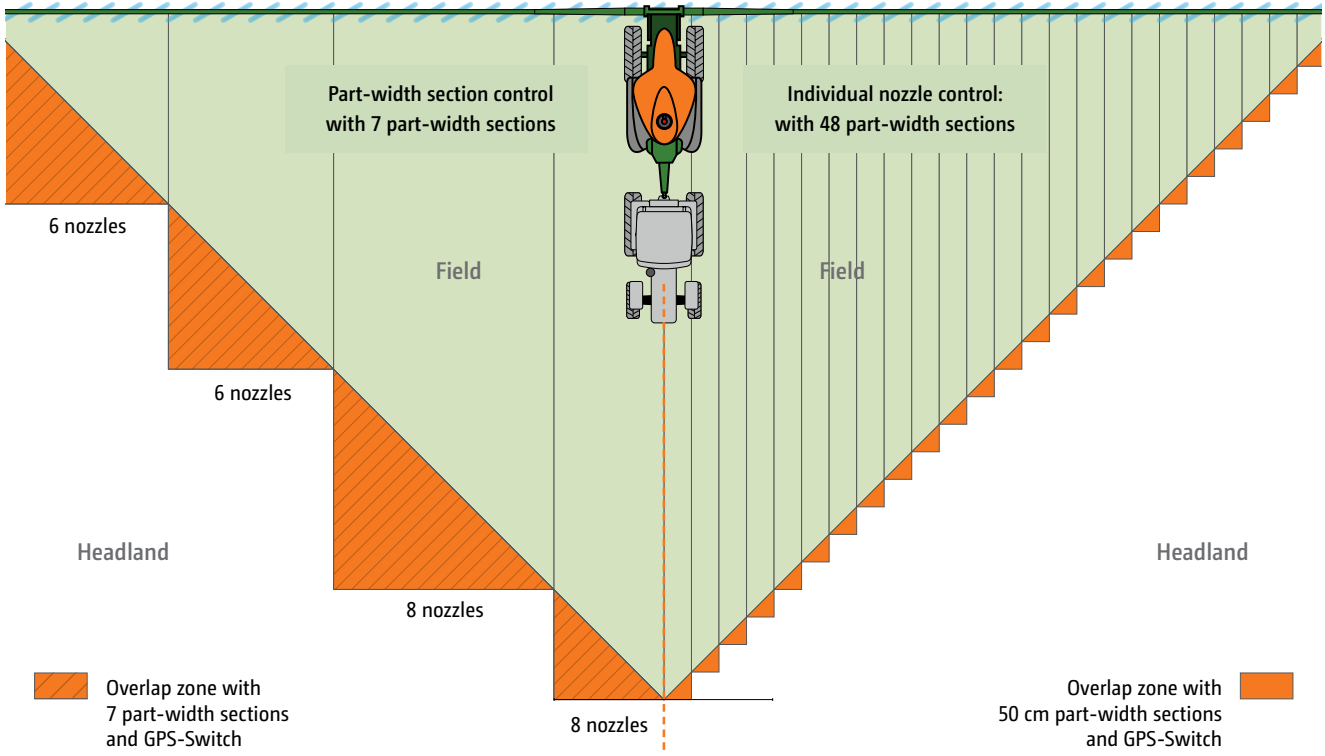
Automatic spraying height: 45 cm



80° nozzles: 25 cm nozzle spacing

Electric individual nozzle control AmaSwitch and AmaSelect

Example: 24 m working width



(see also information on GPS-Switch)

Automatic part-width shut-off on the headland and in wedge-shaped fields GPS-Switch

5%*

Saving on crop protection agent usage

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

Electric individual nozzle control

AmaSwitch or AmaSelect

5%*

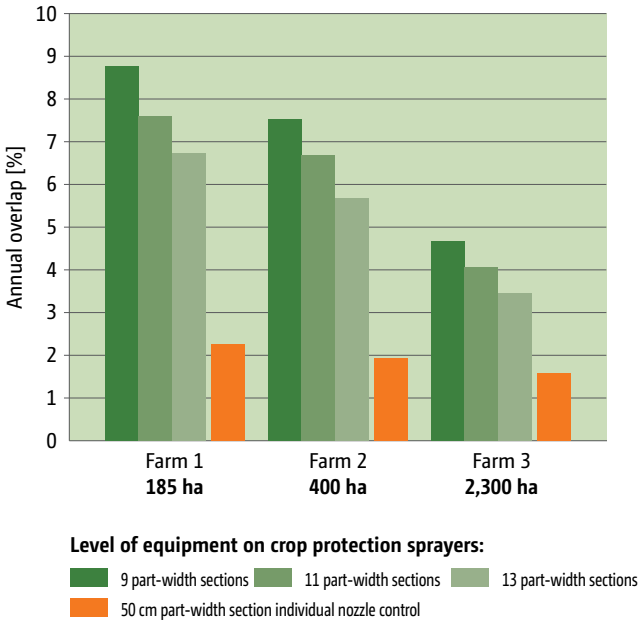
Additional saving in crop protection agent usage

AmaSwitch electric individual nozzle control

AmaSelect electric individual nozzle control

Calculated example:

Annual average overlap 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 larger 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, sugar beet), 50 cm part-width sections are particularly cost-effective

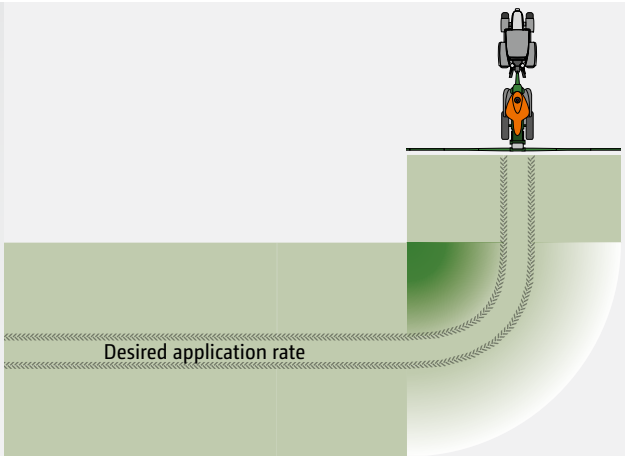
Comparison of systems:

The benefits	Standard valve chest	AmaSwitch Triple	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 (off-set 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)	–	–	–	■

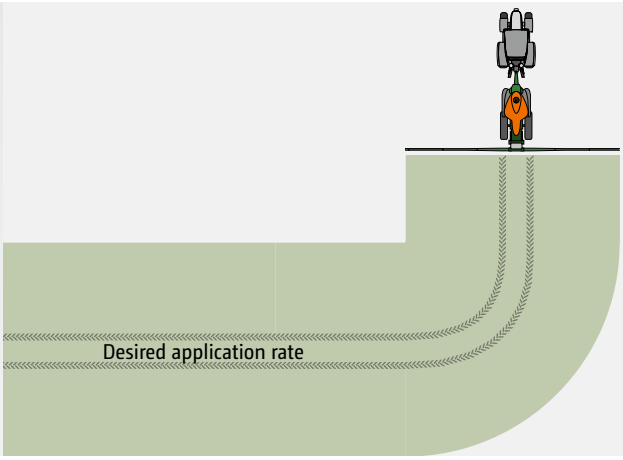
Nozzle switching –system overview ■ = included ■ = optional – = not possible

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

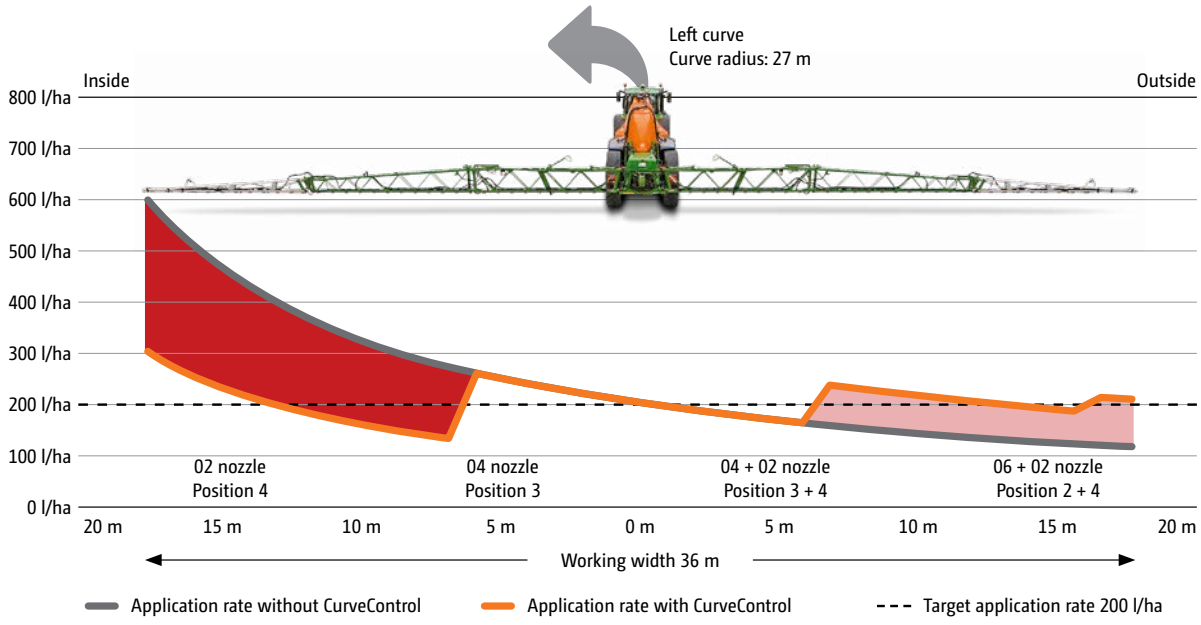
In the past, application of plant protection products when driving round bends has led to an over-application on the inside of the bend and an under-application on the outside of the bend. The problem increases with increasing boom widths. Over-applying on the inside of the boom must be viewed more critically,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



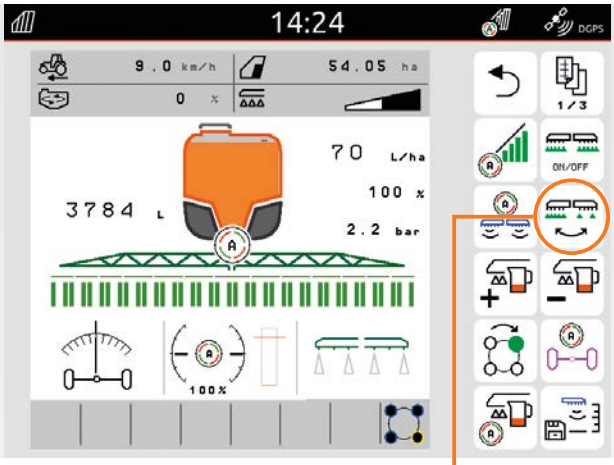
Comparison of application rates on bends with and without CurveControl (left hand curve)

AmaSelect Row

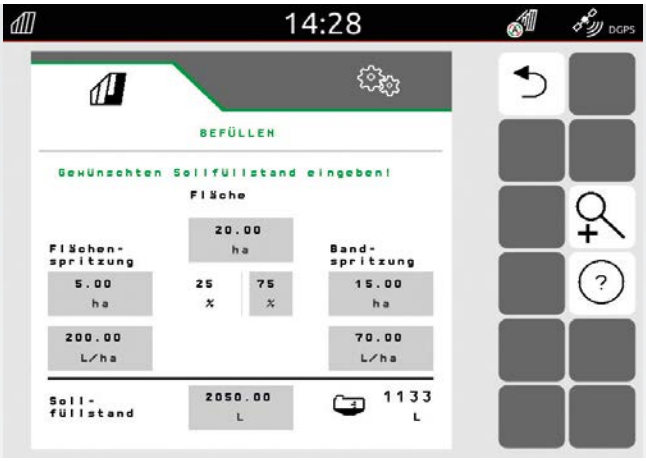
Accurate band spraying at the press of a button to reduce the usage of plant protection agents

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



Useful fill menu for determining the required filling quantity

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

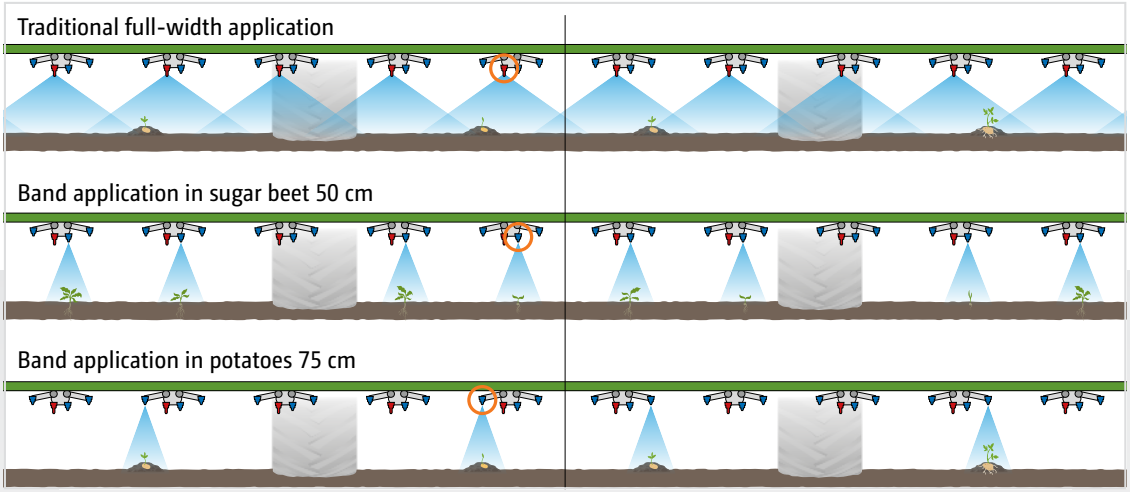
Row specific applications in crops with a 50 cm row spacing can very easily be implemented without any further retooling. However, the optional off-set kit for the AmaSelect nozzle body to give a 25 cm nozzle spacing also enables band applications to be implemented in crops with a 75 cm row width. Only the nozzles at the desired row 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.

Maximum operational comfort

Via the 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 so as to minimise residual spray volumes. 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:

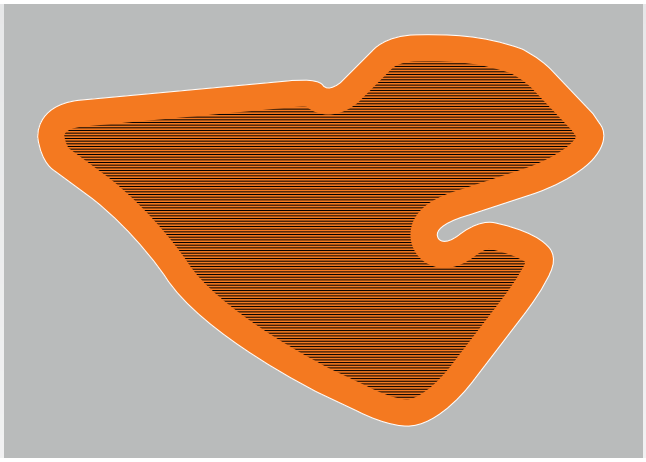
- Highly efficient band spraying in row crops – and all at the touch of a button
- Different row spacings possible thanks to the optional off-set kit at 25 cm
- High operating comfort with an integrated filling menu with fill quantity calculation
- Reduction in plant protection agent usage by up to 65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



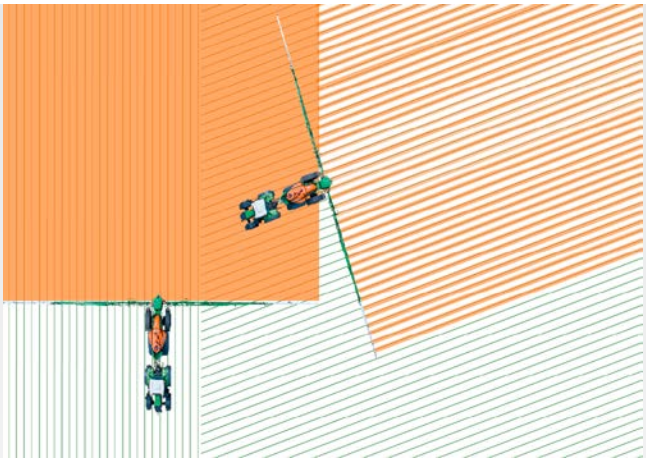
AmaSelect Row: Uniquely flexible options in plant protection

AmaSelect Row and CurveControl

The perfect combination in practice!



Band application in the inner zone, full-width application with CurveControl in the outer area of the field



Individual nozzle control in band application for perfect application in wedge-shaped fields and short work

Full-width application with AmaSelect CurveControl in the outer area

Comprehensive, full-width application is recommended for the outer area of fields. The advantages of CurveControl are particularly evident in fields with curves. Furthermore, obstacles at the edge of the field can be avoided in full-width application without any problems. In addition to this, the matching of the seeder is not always exact on the headland. This has a negative effect on band spraying.

Changing to band spraying at the touch of a button

The material can then be sparingly applied to the inner area of the field with AmaSelect Row. The full-width application can be easily changed to band application on the terminal for this purpose. Absolutely straight rows and exact matching up of the seeder are the prerequisites for the use of AmaSelect Row. The application rate is automatically adjusted in this respect.

The particular features of band application

The perfect use of band application depends on several factors:

1. The nozzles must be at the right application height when they come on.
- ✓ Automatic boom lowering via the AmaTron 4 ISOBUS terminal and GPS-Switch

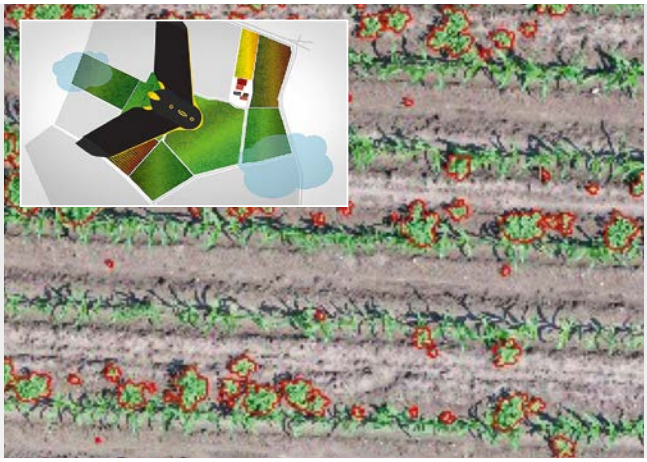
2. Precise maintenance of the distance to the target surface is a must for a uniform band width and even concentration of the plant protection agent
- ✓ ContourControl active boom guidance for the optimum target surface distance

3. Smooth boom ride over the entire working width
- ✓ SwingStop or SwingStop plus boom tip swing compensation to reduce horizontal boom movements

4. Precise vertical alignment of the nozzles directly over the band
- ✓ Flexible extension kit for precise alignment of the nozzles in all row spacings

AmaSelect Spot

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



Display of the spot application in AmaTron 4

Part-area, site-specific weed treatment

To reduce the use of crop protection agents, AMAZONE offers AmaSelect Spot, a individual 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

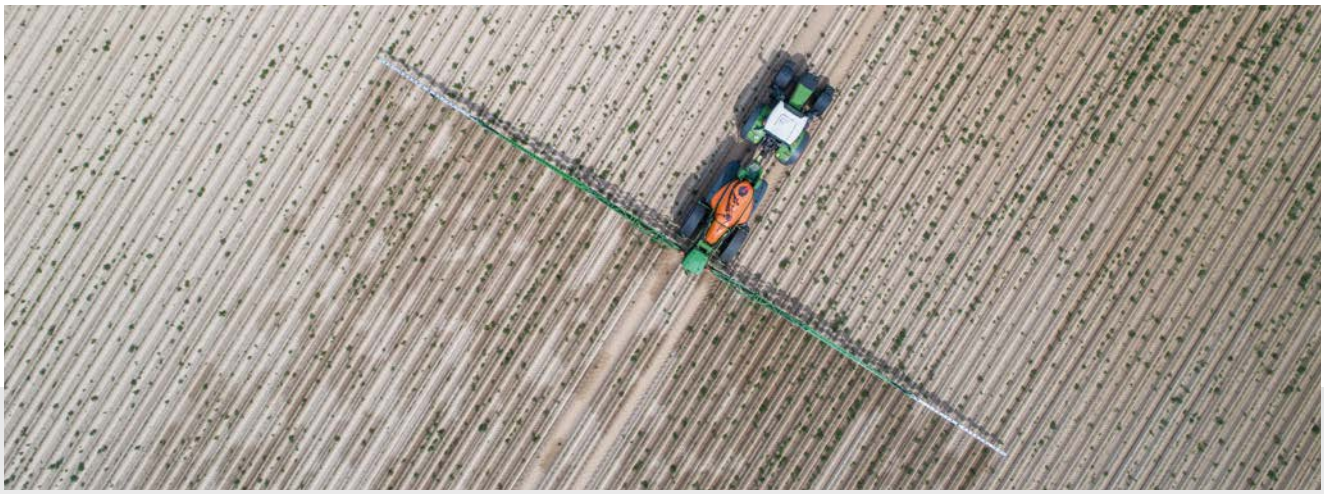
In the first step, the field to be treated is scanned and a spot application map created. Depending on the service provider, various processes are used for scanning the area in this first step, such as overflying with a drone, by satellite or via special sensor booms.

Targeted spot application

The second step is the treatment of the weed areas in the field. 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 %.
- Better protection of the environment
- Minimal residual spray volumes, thanks to exact planning of the application rate using the spot application maps
- Prevention of resistance, thanks to small-area spot application with 100% concentration of plant protection agent



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

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.

Less drift also at higher wind speeds

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

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.

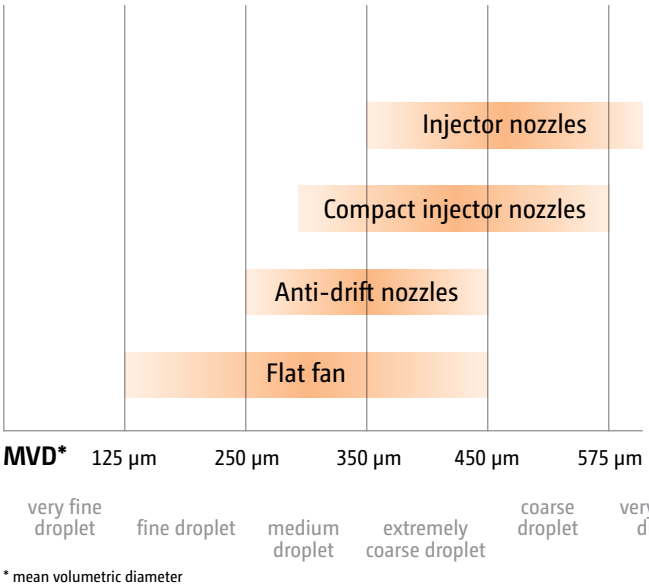
A good compromise is provided by the modern ID-K or Airmix compact injector nozzles. These have relatively little drift, but do not have too coarse a droplet spectrum and are operated at 2 to 4 bar.

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.

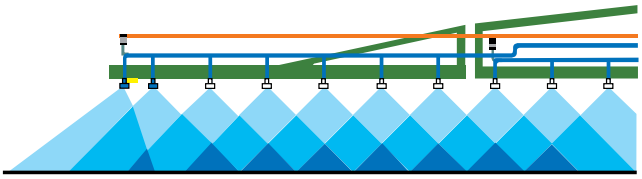
Distribution of the droplet size



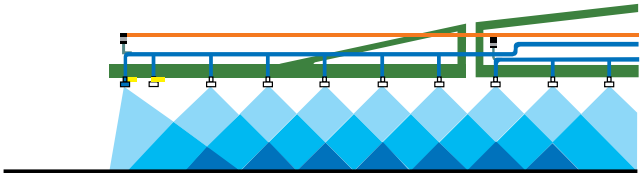
* mean volumetric diameter

Electric boundary nozzle switching

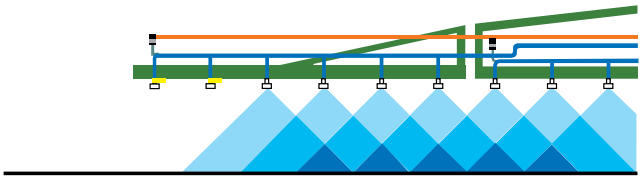
For environmentally-friendly spray application at the field edge



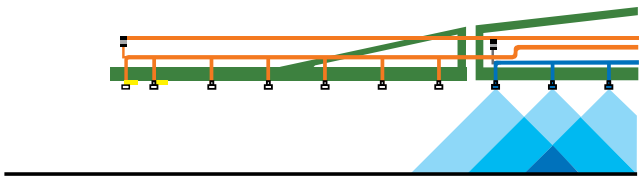
Additional nozzle switching
In order to extend the normal working width, an asymmetrical nozzle can also be switched on. This is particularly useful if the distances between tramlines are not precise enough.



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.



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.



Outer part-width section switched off – DUS is active
Direct electric control of the boundary nozzles.
Every nozzle body is integrated in the DUS circulation!

Drag hose equipment on the AmaSwitch individual nozzle control system with a quad nozzle body and an off-set kit on the Super-L2 boom

Liquid fertilisation

AMAZONE sprayers are particularly suitable for using liquid fertiliser: the use of high-quality plastics, the good paint finish and the use of stainless steel ensure a long service life, even when liquid fertiliser is used.

Drag hose equipment

The drag hose equipment for the Super-L boom consists of a drag hose set and can be used in conjunction with an AmaSwitch quad nozzle body or AmaSelect system plus an off-set kit for 25 cm nozzle spacing.

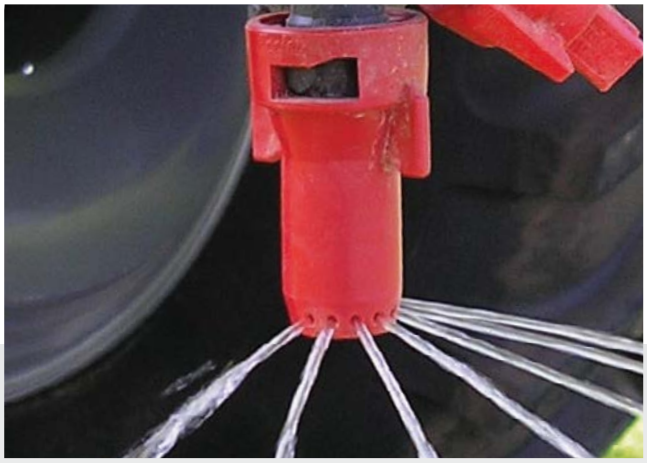
Stainless steel weights help keep the position of the drag hoses in the crop.

Multi-hole nozzles

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

Under-leaf spraying

Elegant solutions for successful under-leaf spraying are also possible in combination with AMAZONE crop protection sprayers. For example, the Dropleg system is a light and robust under-leaf spraying system which hangs freely between the rows.



7 hole nozzle

Dropleg system

Options for all demands

Optional camera system

The optional camera system (only in conjunction with the ISOBUS terminals AmaTron 4 and AmaPad 2 or an external monitor) provides more safety at the rear in unclear driving situations. The system is also a super aid for 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.

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.

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.

External wash kit

The crop protection sprayer can be thoroughly cleaned directly after use with the spray lance of the external wash kit.

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AEF Certified ISOBUS www.aef-isobus-database.org

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 via a wide-range 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

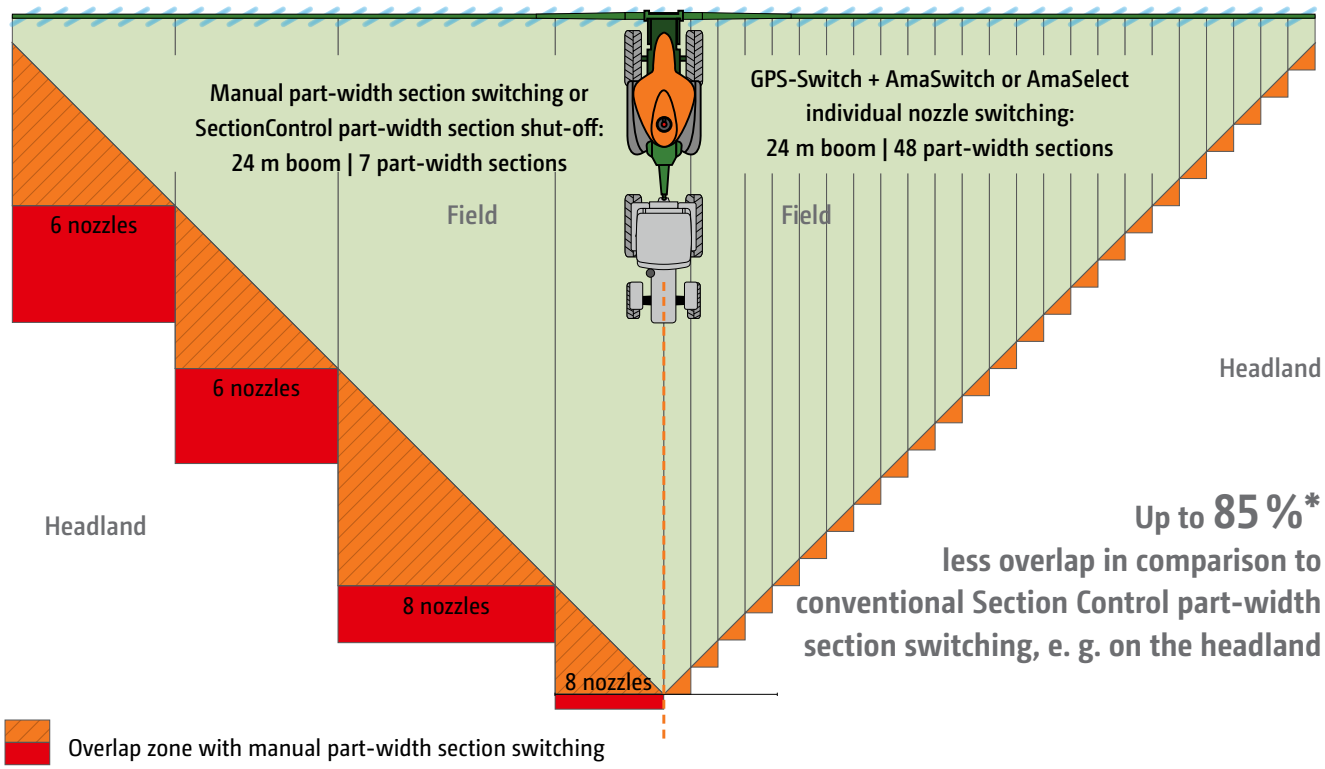
Advantages of the AMAZONE machine software:

- 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

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



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

5%*

Saving on crop protection agent usage

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

Electric individual nozzle control

AmaSwitch or **AmaSelect**

5%*

Additional saving in crop protection agent usage

Precise switching with 50 cm part-width sections

The decisive benefit of individual nozzle control is the possibility to operate with small part-width sections giving an even greater degree of accuracy 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 in spray agent compared with a normal spraying system used thus far.

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

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
- Increased precision, even at night or at higher speeds
- Fewer overlaps and gaps
- Saving inputs
- Less crop damage and environmental impact

"With Section Control, the ISOBUS terminal takes on so much of the work from the driver."
("dlz agrar magazine" – test report ZA-TS fertiliser spreader · 02/2017)

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 for 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 add-on to 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

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 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

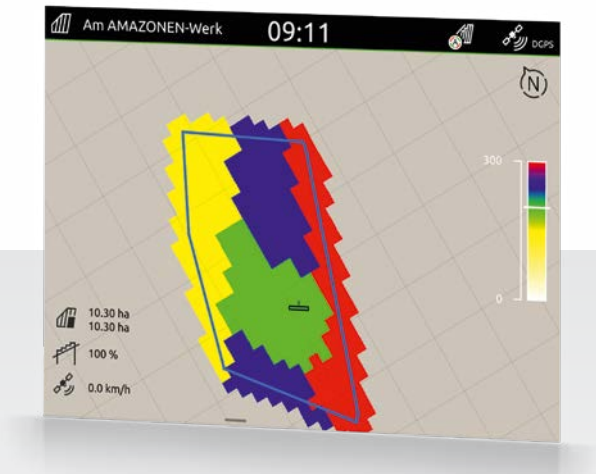
The GPS-Track parallel guidance greatly helps with orientation in the field, especially on grassland or in areas without tramlines.

- 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 procedure, 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 use of the App carousel allows quick changes between applications and the simple and clearly structured operating menu. A useful MiniView, a freely configurable status bar as well as a virtual light bar make the use of the AmaTron 4 particularly clear and convenient.

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 the 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^{+}:

- Nearly every function is controlled directly via the 3 levels
- Adjustable palm rest
- Freely programmable, individual key layout

AmaTron Connect

New ways of comfortable networked operation

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

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.

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

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

Alternative map views with AmaTron Twin – clear display of the machine and its part-width sections, as well as buttons on the right hand side of the mobile device.

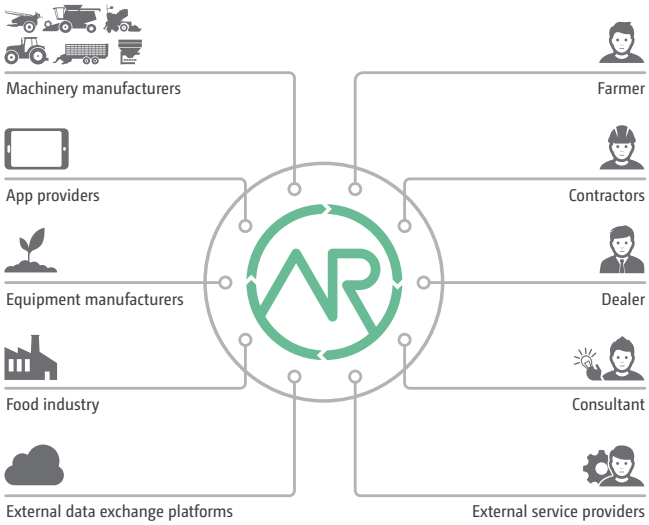
agrirouter –

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.



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

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.

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!

AMAZONE – always in your vicinity

Your satisfaction is our challenge

The satisfaction of our customers is the most important objective

We rely on our nationwide network of expert, committed sales partners to achieve this. Also for service queries they are the reliable contact partner for farmers and contractors. Due to continuous training, our sales partners and service technicians are always up to date when it comes to looking after our state-of-the-art technology.

We provide you with a first class spare parts service

The spare parts centre in Tecklenburg-Leeden is the base 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, if placed by 5 p.m., leave our premises the same day. 42,000 different spare parts and wearing metal parts are handled and stored via our modern warehousing system. Up to 1,000 orders are sent out to customers every day.

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 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 quality of work. 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

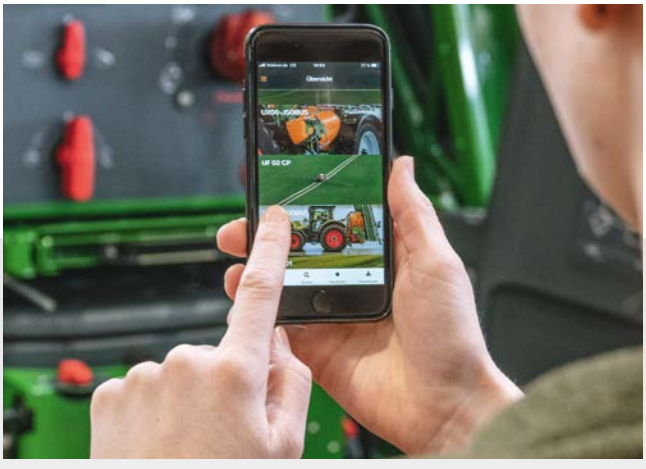
SmartLearning – Interactive driver training on the App or on a computer

With the "SmartLearning" tool as an App on your smartphone, on-line or as a download version for your computer, AMAZONE offers a useful function to make it easier for you to work efficiently with our machinery and terminals.

"SmartLearning" is an interactive training programme which gives drivers the opportunity to familiarise themselves with the operation of the machine before using it for the first time. However, experienced drivers can also refresh their knowledge here, in order to make even better use of the potential performance of their machine.

Via our homepage as an on-line version
or for download: **www.amazone.net/smartlearning**

Or as an App
on your smartphone:



Technical data: UX Super trailed sprayers

Model: UX Super	4201	5201	6201	7601	8601	11201
Nominal tank capacity (l)	4,200	5,200	6,200	7,600	8,600	11,200
Actual tank capacity (l)	4,600	5,600	6,560	8,000	9,030	12,000
Fresh water tank capacity(l)	580					900
Internal tank cleaning system	Standard					
SmartCenter	Standard-Pack					
	Comfort-Pack					
	Comfort-Pack plus					
DirectInject	only with Comfort-Pack plus					
Xtreme-Clean	only with Comfort-Pack or Comfort-Pack plus					
Storage compartment (l)	240					
Induction bowl capacity	60 l with large storage space, rinse ring, canister rinse nozzle, mixing nozzle and hand lance					
Suction rate of induction bowl (l/min)	200					
Pump capacity (l/min)	520 (260 + 260)			600 (250 + 350)		700 (350 + 350)
Max. suction capacity (l/min)	700			800		900
Pump drive	mechanical or hydraulic					
max. flow rate when spraying – standard	200 l/min (at a spray pressure of 1 to 10 bar)					
max. flow rate when spraying with HighFlow+	400 l/min (at a spray pressure of 1 to 10 bar) only with Comfort-Pack or Comfort-Pack plus					
Straight drawbar – top mounted	rigid					
Hitch drawbar – lower mounted	rigid					
Drawbar shock absorbance system	Standard					Standard
Parking jack	hydraulic					
Towing eyes	Option					
Axles	Adjustable axle					
	rigid – 2,000 mm		rigid – 2,100 mm			
	steered up to 15° – 1,800 mm					
	steered up to 20° – 2,000 mm					
	steered up to 28° – 2,100 mm					
Axle suspension, passive				Option		
Axle suspension, active – hydro-pneumatic	Option			Option		Standard
Track widths (m)	1.50 – 2.25	1.80 – 2.25	2.00 – 2.25	1.80 – 2.25		2.00 – 2.25
min. tyre size (diameter)	270/85 R48 (Ø 1,740 mm)	300/95 R52 (Ø 1,890 mm)	480/80 R46 (Ø 1,936 mm)	380/90 R46 (Ø 1,842 mm)		
max. tyre size (diameter)	620/70 R46 (Ø 2,050 mm)			710/75 R42 (Ø 2,140 mm)		520/85 R42 (Ø 1,950 mm)
	further tyre options on request					
Braking systems	Hydraulic braking / dual-circuit air braking – depending on national regulations!					
ALB	Standard in conjunction with dual-circuit air braking					
Axle steering	AutoTrail axle steering only in conjunction with steered axle					Single- / Double-Trail
Automatic slope compensation	Standard in conjunction with AutoTrail axle steering					
External wash kit	Option					
Underbelly covers	Option					
Transport height (m)	3.52 – 3.79		3.75 – 3.90	3.65 – 3.80	3.75 – 3.90	3.90
Transport length (m)	6.85 – 7.30		7.05 – 7.50	7.95 – 8.10		9.70
Unladen weight (from kg)	4,044	4,089	4,274	4,828	4,978	8,054
Working widths (m)	21 – 48					30 – 48
Spraying height (m)	approx. 0.5 – 2.5 m depending on the tyres					
max. working pressure (bar)	10					

= Standard = Option = Selection

Booms
for UX Super trailed sprayers

Boom type	Super-L2													Super-L3							
Working widths (m)	**21**	**24**	**27**	**27**	**27**	**28**	**28**	**30**	**32**	**33**	**33**	**36**	**36**	**30**	**33**	**36**	**39**	**40**	**42**	**45**	**48**
possible reduced working widths	15	19	19	21	19	22	24	26	26	26	27	28	30	24	24	24	33	33	33	35	36
	9	10	10	15	10	15	15	19	19	19	21	19	24	12	12	12	24	24	24	24	24
				8		8	8	10	10	10	12	10	12				12	12	12	12	12
UX 4201, UX 5201, UX 6201, UX 7601, UX 8601																					
UX 11201																					
1-, 3-, 4-fold without DUS																					
1-, 3-, 4-fold with DUS																					
AmaSwitch 3-fold, DUS pro, 50 cm																					
AmaSwitch 4-fold, DUS pro, 50 cm / 25 cm (option)																					
AmaSelect, DUS pro, 50 cm / 25 cm (option)																					
Boom fold	Number of spool valves																				
Profi-fold 1	1 single-acting and free flow return / Load-Sensing																				
Flex-fold 1	1 single-acting and free flow return / Load-Sensing																				
Flex-fold 2	1 single-acting and free flow return / Load-Sensing																				
Boom guidance	Number of sensors for boom guidance																				
DistanceControl	2 (Profi-fold 1, Flex-fold 1 & 2)																				
DistanceControl plus	4 (Profi-fold 1, Flex-fold 1 & 2)																				
ContourControl	4 (Flex-fold 1), 6 (Flex-fold 2)																				
ContourControl with SwingStop	4 (Flex-fold 1), 6 (Flex-fold 2)																				
ContourControl with SwingStop plus	6 (Flex-fold 2)																				
Boom lighting																					
LED work lights	Option																				
LED individual nozzle lighting	Option / Standard with AmaSelect																				

Operation / Terminal	**ISOBUS**
ISOBUS software	Standard
GPS-Switch	Option
GPS-Maps	Option
GPS-Track	Option
Other AmaSelect functions	
AmaSelect HeightSelect automatic height adjustment	Standard
AmaSelect CurveControl curve compensation	Standard for AmaSelect with ContourControl
AmaSelect Row band application	Option
AmaSelect Spot spot application	Standard

= Standard = Option / Standard = Option = Selection

The smaller alternatives – The UX Special and UG trailed sprayers

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

AMAZONEN-WERKE H. DREYER SE & Co. KG
P. O. Box 51 · 49202 Hasbergen-Gaste/Germany
Phone +49 (0)5405 501-0 · Fax +49 (0)5405 501-193

MI9567 (en_II) 11.23 Printed in Germany www.amazone.net E-Mail: amazone@amazone.net