

iXter A8 - A10 - A12
HOSA - HC Spray Booms



The Power of Simplicity!



Every Crop Deserves the Best Care

Kverneland Crop Care believes that technology makes a better future. We develop intelligent solutions for a better harvest and to increase crop yields, because every crop deserves the best care. Our smart solutions help the farmers work in an easier and more profitable way.

Kverneland Group is a leading international company developing, producing and distributing agricultural machinery and services, with a long history based on a clear vision: listen to the farmers and make their work easier.

Today Kverneland Group, part of Kubota Corporation from Japan, has production sites in Norway, Denmark, Germany, France, The Netherlands, Italy, Russia and China. The company has Sales Companies in 17 countries and exports to another 60 countries worldwide.



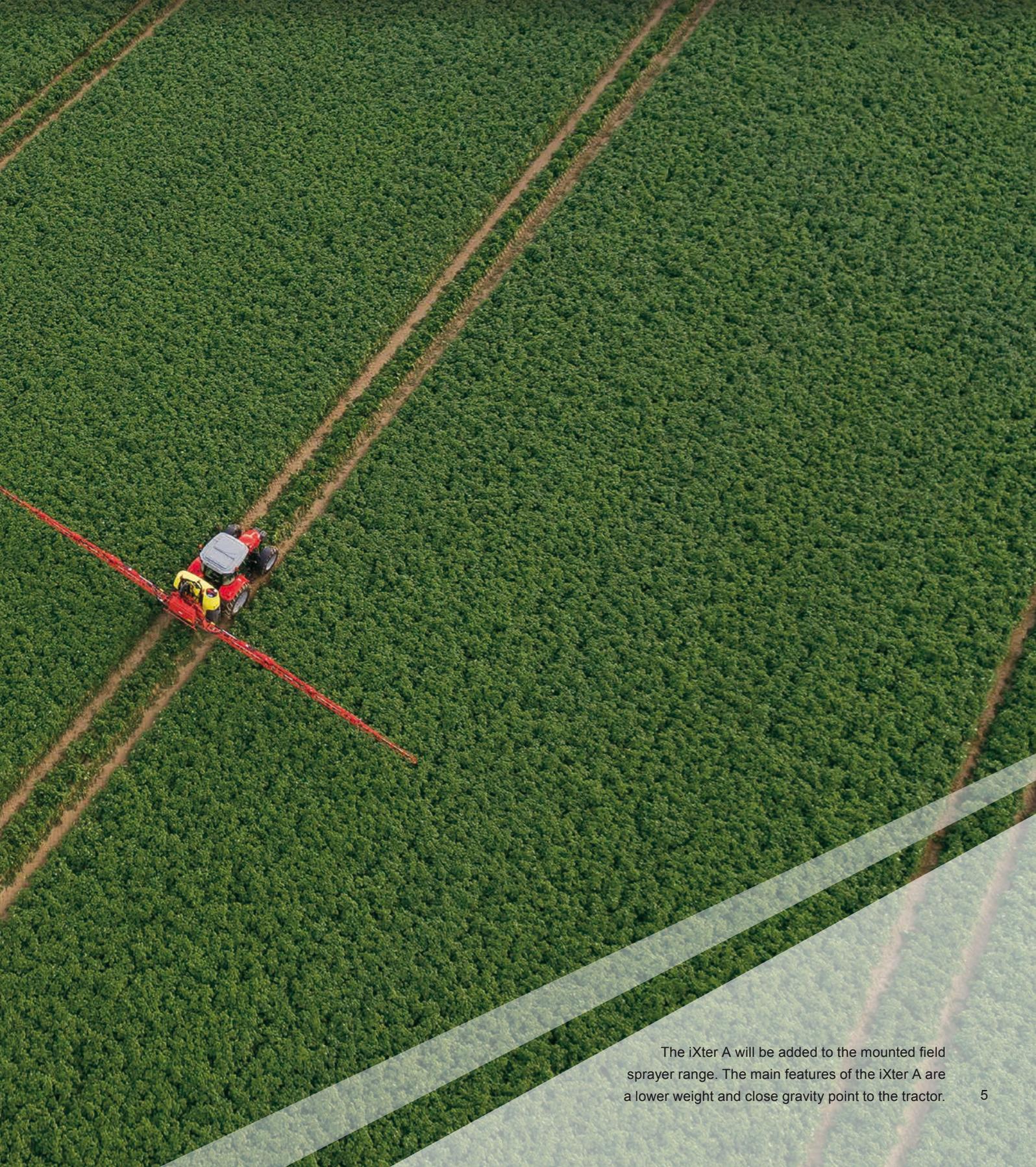
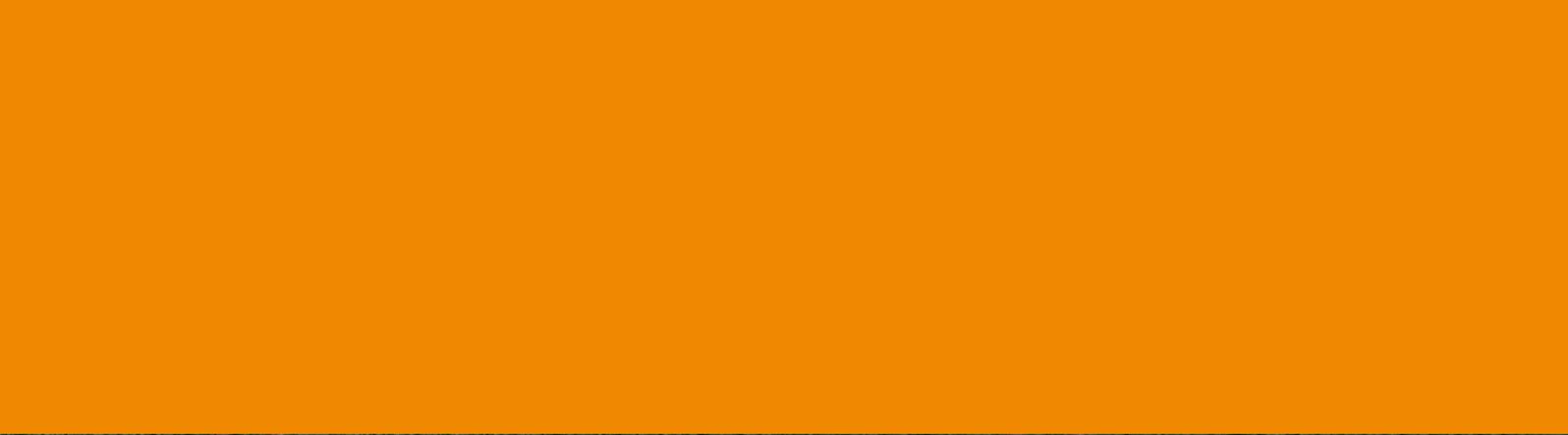
Field sprayers for farmers who protect their crops with less chemicals.

For modern farmers optimal spraying means to protect their crops against diseases, plagues and weeds with as few chemicals as possible. We want enough food for the world, with lower impact on the environment. Kverneland field sprayers enable precision farming and spraying at the right moment, on the right spot.

For the farmer, higher yields, lower costs and less waste.

Kverneland Rau iXter A
The Power of Simplicity!





The iXter A will be added to the mounted field sprayer range. The main features of the iXter A are a lower weight and close gravity point to the tractor.

Kverneland Rau iXter A Make Your Choice!



iXter A8 / 800 litre



iXter A10 / 1000 litre



iXter A12 / 1200 litre

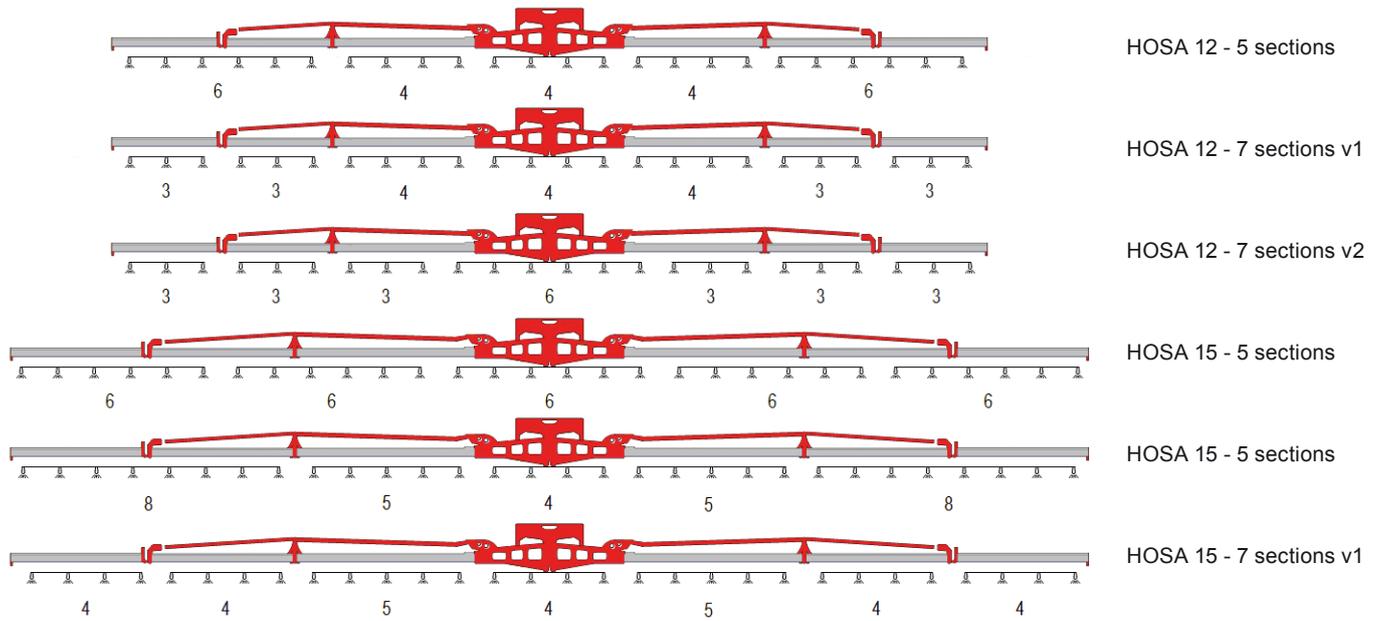


HOSA "Z" folding spray boom

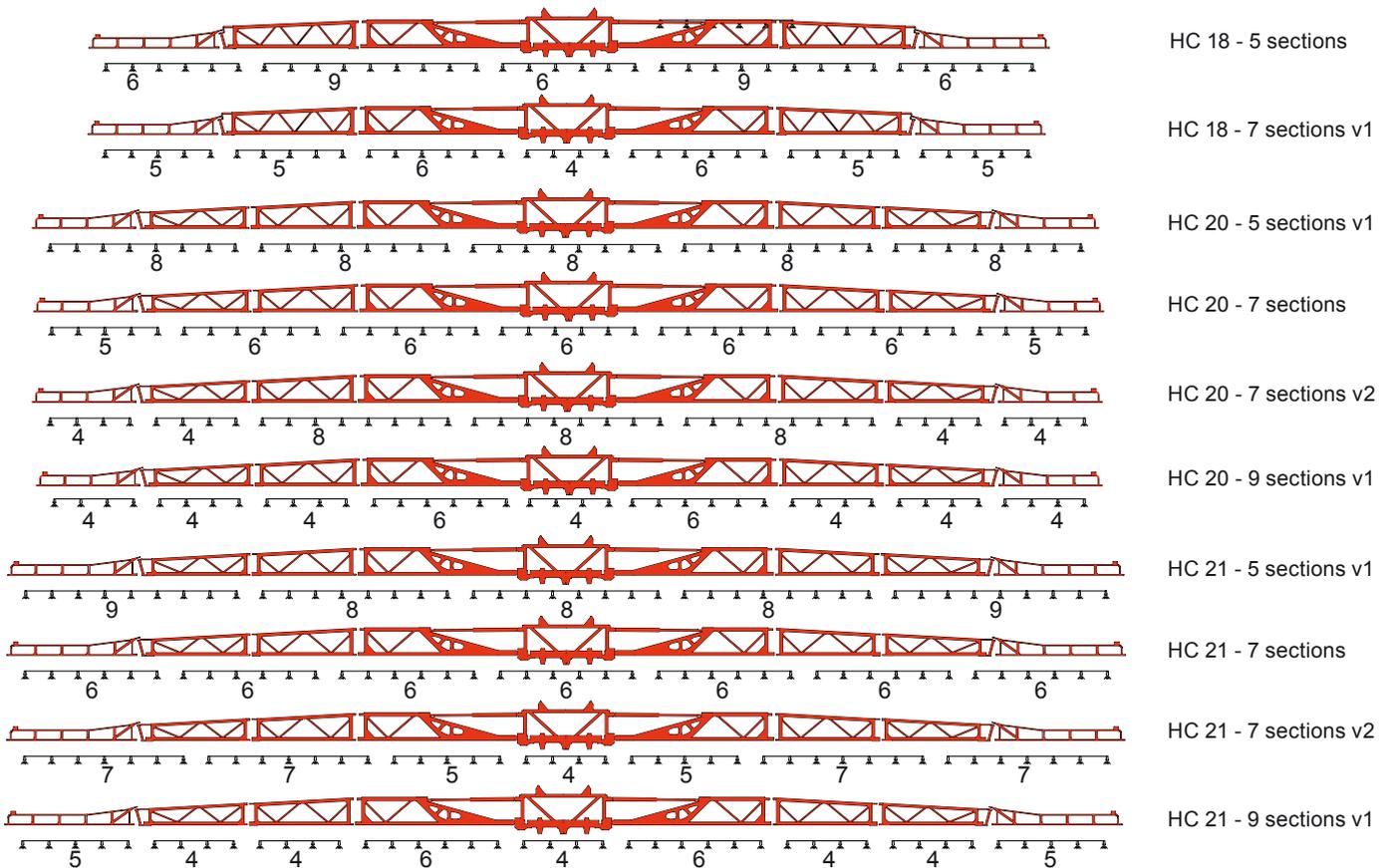


HC vertical folding spray boom

HOSA 12 - 15 m



HC 18 - 20 - 21 m



Easy to Hitch iXter Makes Life Easy

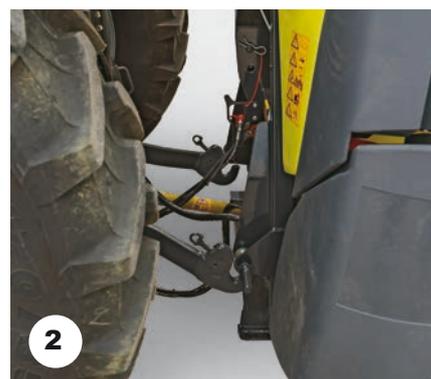


Gravity point close to the tractor for a maximum weight transfer

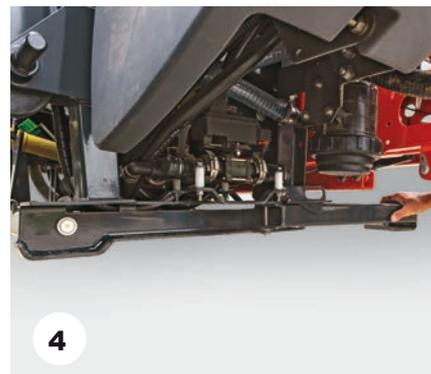
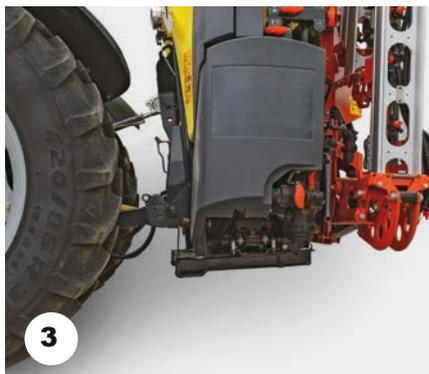
The iXter A makes life simple for you:

1. Enough space to connect the PTO shaft and the hydraulic and electric cables.
2. Drive backwards to connect to the sprayer.
3. Lift up the sprayer.
4. Push in the storing legs and the iXter A is ready to go!

A parking frame is available for easy storage of the sprayer.



Parking frame iXter A

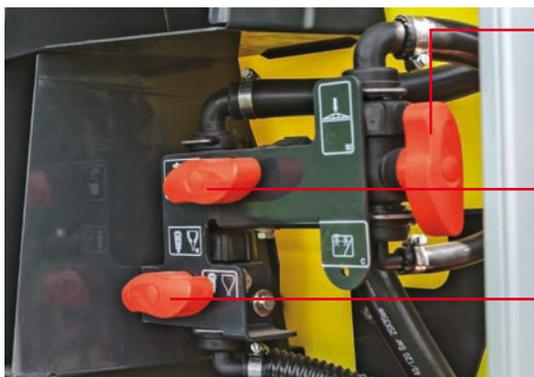


Control Panel Leads You in the Right Direction



Full integration concept:

It is easy to operate the iXter A sprayer with the control panel, chemical inductor, handwash tank and clean cloth locker all on the same side of the sprayer. Nobody would expect all these functions so easily to hand. Better protection and integration is simply not possible. The chemical inductor can be folded in and out for easy access to the inductor.



2-Position pressure valve:

- Up: spraying
- Down: additional functions; tank cleaning, external cleaning, liquid transfer

2-Position pressure valve:

- Left: filling main tank
- Right: spraying mode

2-Position pressure valve:

- Vertical: activate chemical inductor
- Horizontal: deactivate chemical inductor

2-Position suction valve:

- Vertical: main tank
- Horizontal: external or clean water

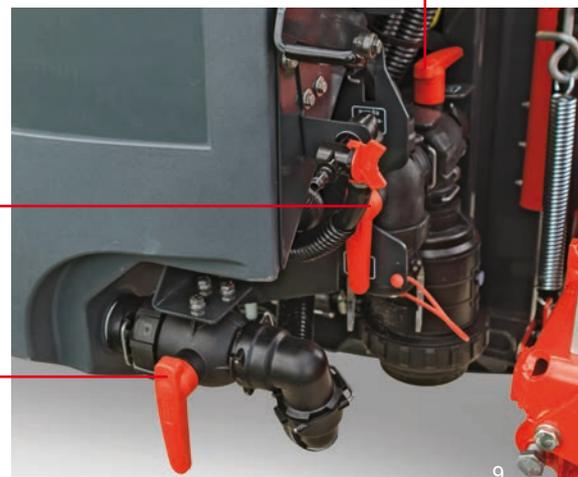
The control panel makes life easy by its intuitive operation. The controls are separated to a suction and a pressure side. The control panel is located at the left side of the sprayer.

2-Position suction valve:

- Vertical: clean water tank
- Horizontal: external water

2-Position suction valve:

- Vertical: no suction from chemical inductor
- Horizontal: suction from chemical inductor to main tank



Easy Operation

Filling is Easy, Clean and Safe



18 litre hand wash tank

Everything is available to keep your hands clean. Easy access to fill the tank via the opening in the cover. You can wash your hands via the hand wash tap.



Chemical inductor

The graduated chemical inductor with a capacity of 30 litres is mounted on a pivoting point and fully integrated in the frame. The rotating canister cleaning nozzle releases the water when pushed downwards. The circular rinsing system is no add on: it is part of the design!



130 litre clean water tank

The sprayer can be cleaned in the field with water from the clean water tank. The level indicator indicates the actual water level in the clean water tank. An outside cleaning set is optional available with a 15m hose, a brush with insert for soap, all linked to the pressure side of the pump.



Clean cloth locker

The clean cloth locker allowing you to keep your safety and cleaning equipment or tools with you on the sprayer.



Hydrant filling

The optional 2 inch hydrant filling device allows filling under pressure at high capacity. A GEKA adapter for 1 inch filling is optional available.



Filling via the 1.5 inch suction hose

External aspirated water is filtered first by the filter on the hose and then by the suction filter. In parallel you can already use the chemical inductor to add and premix chemicals. A camlock adapter for 2 inch filling is optional available.



Rotating level indicator

A rotating level indicator provides the actual tank volume.

Silent piston diaphragm pumps

Pumps are available with capacities of 100, 150 and 200 l/min. Liquid fertiliser resistant and capable of running dry without damage.



Central pressure filter

The pressure filter prevents blockages by keeping the filter mesh clean. You can use a 50 or 80 mesh filter width.



High capacity suction filter

Both suction and pressure filters are easy accessible for inspection and any subsequent cleaning, ensuring minimal contact with pesticide. The high capacity suction filter, filters the complete flow before the liquid enters the pump.



Stairs to tank lid for filling or inspection:

The fully integrated step and handgrips allow safe access to the tank lid even on the 1200 litre tank.

iXclean

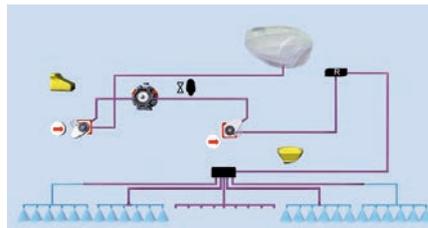
We Care about Your Crop!



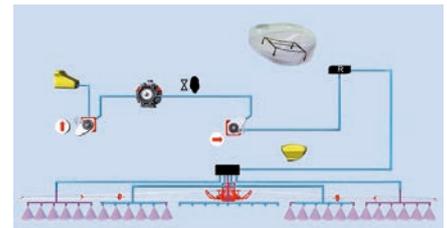
ENvironmental FOCus: ENFO priming and rinsing system is standard on all our spray computers.

This smart technology optimizes filling and cleaning of the spray lines.

Accurate application, no waste of chemicals and saving water are the benefits for you and your environment.



Automatic Rinsing of spray lines:
after finishing or interruption, the pesticides are automatically flushed out of the spray lines. This means using up to the last litre of mixture and rinsing the spray lines with a minimum of clean water consumption.



Automatic Priming of spray lines:
before spraying starts the spray lines are filled with chemicals exactly up to the nozzle by automatic section shut off. This means no waste of chemicals and accurate application from the first moment!

EC



Remote Control EC:

- All in one remote control
- Spraying on/off functions including up to 7 sections and two boarder nozzle switches
- Agitation shut off
- Pressure control
- Pre-select hydraulic boom functions

FMC



FlowMate Control FMC:

- Professional spray computer
- Extremely simple to operate
- Very compact by integration of all spraying and hydraulic functions
- Controlling the unique ENFO functions
- Integrated nozzle advice
- Field memory for 25 different fields

Sprayer Test Hall for Top Quality!



A certified test crew is testing every iXter A, and of course all other sprayers, leaving the factory in our own test hall to meet the latest environmental regulations. Our testers are certified for all of the test procedures.



NSTS: National Sprayer Testing Scheme is the relevant authority in UK for sprayer homologation.



SKL: Official homologation for Benelux, delivered by the SKL foundation for agricultural machinery in Wageningen.



JKI: Official homologation for Germany, delivered by the Federal Biological Research Centre of Germany, now JKI Institute.



NY: Official homologation for Norway, delivered by the Norwegian Food and Safety Authority.



ENTAM: ENTAM is the European Network for Testing Agricultural Machines. JKI of Germany and Cemagref of France are among others, official members of ENTAM.

Starguide IV

Starguide IV: Automatic GPS section control and guidance by D-GPS

Those who have used it will never go back. Starguide IV will change your spraying days forever: spray around the headland and the Starguide IV will control the spray sections automatically as you cover the remainder of the field. Starguide IV is easy to operate: after spraying a field boundary the overlap and headland management are controlled for the rest of the field! Overlap and headland management are controlled for the rest of the field!

The Starguide IV enables you:

- Spraying in the dark
- Accurate spraying by full overlap
- Increased operator comfort
- Cost savings by reduced overlap

In addition the Starguide IV also includes the following features:

- Easy to operate intuitive 5.7" colour touch screen
- Field view with covered areas and overlap
- Single and double overlap in different colours
- GPS status warnings
- USB slot for data export in different formats
- RXA-30 antenna



HOSA Boom

Innovations to Make Life Easy

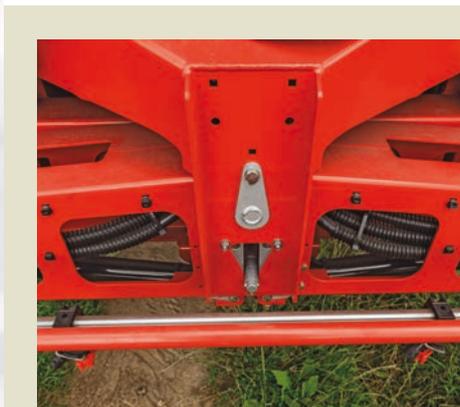


The HOSA is an unique boom having an advanced Z-folding principle: the lateral movement enables you to quickly reduce boom width and pass obstacles in the field. The aluminium profile is designed for maximum resistance. No welding provides remarkable strength, the anodised hardened surface protects against scratches and corrosion.

- Z-folding aluminium boom
- One-side spraying possible
- 2,50m transport width
- Heavy construction, light weight
- Profile integrated nozzle protection
- Smooth surface for easy cleaning
- Monojets or Trijets
- Central locking of pendulum system



14 Transport locking



Hydraulic locking pendulum system



Safety tip-end



One-side spraying



HC Boom

The Versatile Boom



The new generation HC booms is a multi-talented spray boom range. The triangular steel construction allows high speed even in very difficult conditions. The boom is extremely strong and reliable. The balancing system with professional steel rollers ensures a perfect suspension in all circumstances.





Light weight, maximum strength

The HC boom has been designed for 100% integration of spray lines and nozzles, for light weight and maximum strength.

Safe on the road

The 2.50m transport width means that even narrow roads and gateways are no obstacle.

Multiple folding possibilities

The HC boom is giving you the functionalities for one side folding, symmetrical reduction and asymmetrical reduction depending of the choice for the electric hydraulic command.



Narrow transport width



One-side spraying

Kverneland Rau iXter A

Technical Specifications

Kverneland Rau iXter A			
Mounted sprayer models	A8	A10	A12
1. Tank size			
Nominal / maximum main tank capacity	800 l / 965 l	1000 l / 1185 l	1200 l / 1395 l
Clean water tank / Hand wash tank	130 l / 18 l	130 l / 18 l	130 l / 18 l
Chemical inductor with opening of 40x40 cm	30 l	30 l	30 l
2. Empty weight (total machine incl. boom)			
... with HOSA 12 m	889 kg	901 kg	913 kg
... with HOSA 15 m	952 kg	964 kg	976 kg
... with HC 18 m	1207 kg	1219 kg	1231 kg
... with HC 20 m	1287 kg	1299 kg	1311 kg
... with HC 21 m	1293 kg	1305 kg	1317 kg
3. Measurements			
Width (total machine incl. boom)	HOSA = 2,35 m / HC = 2,50 m		
Height (total machine incl. boom)	HOSA12 = 2,56 m / HOSA15 = 2,85 m / HC = 3,30 m		
Length (total machine incl. boom)	HOSA = 1,35 m / HC18 m = 1,45 m / HC20-21 m = 1,65 m		
4. Pumps			
Piston-diaphragm pumps	100, 150, 200 l/min		
5. Electronics			
5.1. Remote control			
EC 5-section 3-way-valves, for pre-selection hydr. (incl. EC control box)	▲ ¹ not for HC		
5.2. Basic spray computer			
FMC 5-section 2-way-valves, for pre-selection hydraulics (incl. FMC control box)	▲ ²		
FMC 7-section 2-way-valves, for pre-selection hydraulics (incl. FMC control box)	▲ ³		
FMC 9-section 2-way-valves, for pre-selection hydraulics (incl. FMC control box)	▲ ⁴		
FMC 5-section 2-way-valves, for oilcircuit hydraulics (incl. FMC control box)	▲ ⁵		
FMC 7-section 2-way-valves, for oilcircuit hydraulics (incl. FMC control box)	▲ ⁶		
FMC 9-section 2-way-valves, for oilcircuit hydraulics (incl. FMC control box)	▲ ⁷		
6. Other basics			
Chemical inductor	▲		
PTO shaft 6-splines	▲		
Frame stand, Clean water tank, Hand wash tank, Manometer, Mechanical level indicator, Tank inside cleaner, Drain (via filter)	standard		
7. Accessories (also loose available)			
Protection curtain	●		
Hydrant filling connection 2"	●		
GEKA filling adapter 1" for hydrant filling	●		
Filling hose 8m 1,5" (for sucking from external)	●		
Camlock adapter 1,5" to 2" for filling hose	●		
Float for filling hose	●		
Non return valve 1,5" for filling hose	●		
Urea sieve	●		
Pump out connection	●		
Parking frame	●		
Battery cable 3 pin (only for EC/FMC, if no power connector at tractor)	●		
Starguide IV	●		

Booms	HOSA	HC
Type	12 / 15	18 / 20 / 21
1. Basic boom functionality		
Working width (m)	12 / 15	18 / 20 / 21
Material	Aluminium	Steel
Transport position	Vertical	Vertical
Folding drive	Hydraulically	Hydraulically
2. Spray sections		
Standard	5 / 5	5 / 7 / 7
Alternative 1 (two sections more than standard)	7 / 7	7 / 9 / 9
Alternative 2 (two sections less than standard)	- / -	- / 5 / 5
3. Spray jets		
Monojets	▲ ¹	▲ ¹
Trijets	▲ ²	▲ ²
Pentajets		▲ ³
4. Other		
Road lights	●	●
Electrical or manual border nozzle	●	●
Electrical or manual verge nozzle	●	●

▲¹ - ▲² - ▲³ - = one of these choices must be selected, ▲ = must be selected, ● = option, free to select

Kverneland Field Sprayer Range

A Complete Range of Mounted Sprayers

Kverneland is offering a complete range of mounted, trailed and even self-propelled sprayers. The iXter A is added to the existing iXter B mounted field sprayer range, so we can offer a complete mounted sprayer range, including the iXtra front tank.



iXter A8 - A10 - A12

The iXter A is a professional mounted sprayer, which is easy to operate at the same time. The iXter A is available with 800, 100 and 1200 litre tank capacity in combination with two different boom types: the HOSA aluminium spray boom and the HC steel boom range. The gravity point of the sprayer is extremely close to the tractor for an optimal weight transfer. Operation can be made easy with the simple Electric Remote Control or the well proven FMC spray computer.



iXter B10 - B13 - B16 - B18

The iXter B is also an ISOBUS compatible mounted sprayer in the Kverneland sprayer range. The iXter B is available in 4 different tank sizes: 1000, 1300, 1600 and 1800 litres and 2 different boom types (HOSA and HC). The HC boom range is even available up to 30m. The gravity point of the sprayer is close to the tractor for maximum weight transfer. It is very easy to work with the EasySet control panel. The valves are well protected behind the door! To operate the iXter B you can use the EC remote control, FMC spray computer, IsoMatch Tellus GO or IsoMatch Tellus Terminal.

iXtra Comfort or iXtra Pro front tank

The iXtra front tank has a nominal volume of more than 1100 litres. The iXtra is that front end weight, adding stability to your tractor! In combination with the iXter B mounted sprayer, the iXtra provides a total volume of around 3000 litres, making this combination a serious alternative to a self propelled sprayer. The iXtra is being available as Comfort (semi automatic control) or Pro (full electric control) version. You can select the front tank from the cab or through the EasySet valve panel. Without a front PTO shaft or hydraulic hoses, hitching and unhitching the iXtra is extremely simple.



Kverneland Group

Kverneland Group is a leading international company developing, producing and distributing agricultural machinery and services.

Strong focus on innovation allows us to provide a unique and broad product range with high quality. Kverneland Group offers an extensive package aimed at the professional farming community, covering the areas of soil preparation, seeding, forage and bale equipment, spreading, spraying and electronic solutions for agricultural tractors and machinery.



Original Spare Parts

Kverneland Group spare parts are designed to give reliable, safe and optimal machinery performance - whilst ensuring a low cost life-cycle. High quality standards are achieved by using innovative production methods and patented processes in all our production sites.

Kverneland Group has a very professional network of partners to support you with service, technical knowledge and genuine parts. To assist our partners, we provide high quality spare parts and an efficient spare parts distribution worldwide.



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