

Kverneland iXdrive



See, Feel and Drive



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 farmers work in an easier and more profitable way.

For modern farmers spraying means to protect their crops against diseases, pests and weeds with as few chemicals as possible. We want enough food for the world, with a lower impact on the environment. The Kverneland iXdrive enables precision farming and spraying at the right moment, on the right spot.

Your Next Drive into





Precision Spraying

Ergonomic Design and Excellent Comfort

The iXdrive self-propelled sprayer is designed with a big focus on operator comfort and environmental protection. The iXdrive is an 'all in one sprayer' offering ergonomics, efficiency and comfort. The cab is spacious, offers great visibility and gives you all the comfort you need. It gives you the best working environment, from the comfort of a Grammer seat, with a commanding view of the crop. The hydraulic folding steps give easy access to the cab.







Everything in the Right

The complete EasySet control panel is located, between the wheels, on the left hand side of the iXdrive. This position close to the tank outlet results in an extremely low volume of liquid remaining in the tank. The intuitive control panel includes the electrical valves, pumps, filters, chemical inductor and the hose connections. So everything you need for filling and emptying the tank is together in one place. The control panel is well protected behind a cover; this keeps the operating area free of dirt and chemicals. The valve panel can fold away for easy access to the pump and for maintenance. The chemical inductor with a capacity of 42 litres allows you to mix chemicals safely. Equipped with a circular rinsing system and a waterproof cover, it can be rinsed safely with the cover closed.

An efficient piston diaphragm pump with a capacity of 500 litres ensures quick tank filling.

The iXdrive is equipped as standard with iXclean Pro, our fully automatic electric valve management system. It means all functions can be controlled from the cabin or the fill station. Switching between filling, agitation, spraying, diluting, priming, rinsing and tank cleaning is extremely easy: just push the button! iXclean Pro also offers a fully automatic multi-step rinsing and cleaning program again at the push of a button! It just takes a few minutes and residue levels are less than 1% after automated cleaning.

The image shows the interior of a tractor cab. A large central monitor displays a software interface with various graphs and data points. Below it, a smaller monitor shows two large circular gauges. To the right of the smaller monitor is a control panel with several buttons and a joystick. The tractor is moving through a field, with a green field in the foreground and a brown field in the background under a clear sky.

Place

The spraying technology is easy to operate from the cab. iXdrive is equipped as standard with the IsoMatch Tellus universal terminal with switchbox and joystick for easy, simple, fingertip control. With the IsoMatch GEOcontrol application in combination with a GPS receiver it fulfils your needs in terms of easy, smart and efficient farming.

Operation is easy and comfortable, from automatic section control and automatic rate control. You can focus 100% on driving in the field, with IsoMatch GEOcontrol.

More efficient work and a reduction in overlap leads to cost savings of 5-10% on spraying liquid, which means better growing conditions and increased yield.

Working at night also becomes very easy. IsoMatch GEOcontrol reduces the workload considerably.

iM FARMING

smart efficient easy **FARMING**

iM FARMING makes mechanical work smarter, more efficient and simpler. The use of ISOBUS technology makes machinery easier to connect, operate, control and monitor.

Maximum return from your investments, that is the core of Kverneland Group's iM FARMING solutions. iM FARMING describes and presents our offering on ISOBUS machines and solutions for electronic steering of implements. All aimed at giving an insight into the benefits and efficiency of our extensive offering, adapted to your requirements. That is what you can expect from Kverneland Group, now and in the future. Intended to make life easier for farmers.

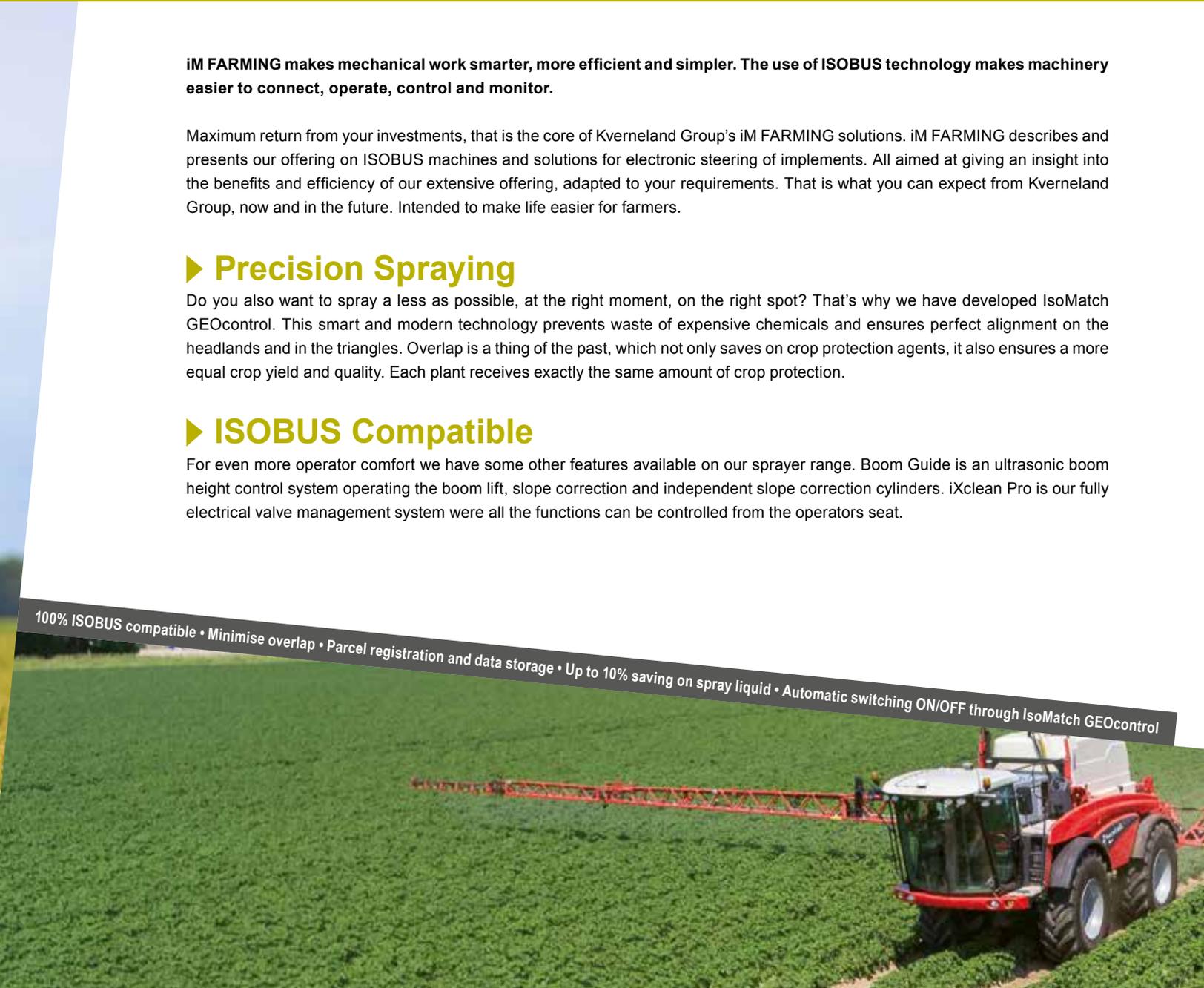
► Precision Spraying

Do you also want to spray a less as possible, at the right moment, on the right spot? That's why we have developed IsoMatch GEOcontrol. This smart and modern technology prevents waste of expensive chemicals and ensures perfect alignment on the headlands and in the triangles. Overlap is a thing of the past, which not only saves on crop protection agents, it also ensures a more equal crop yield and quality. Each plant receives exactly the same amount of crop protection.

► ISOBUS Compatible

For even more operator comfort we have some other features available on our sprayer range. Boom Guide is an ultrasonic boom height control system operating the boom lift, slope correction and independent slope correction cylinders. iXclean Pro is our fully electrical valve management system were all the functions can be controlled from the operators seat.

100% ISOBUS compatible • Minimise overlap • Parcel registration and data storage • Up to 10% saving on spray liquid • Automatic switching ON/OFF through IsoMatch GEOcontrol



IsoMatch GEOcontrol and SPRAYERcontrol

Would you like to have some clear benefits? You just have to buy the IsoMatch Tellus Terminal, a license and one of our ISOBUS compatible sprayers. Save 5% to 10% on your spraying costs and control and optimize your spraying process with IsoMatch GEOcontrol. Working at night? No worries, be at the forefront of environmental constraints. It is now possible with our applications!



IsoMatch InLine



Manual guidance



Section control



Variable rate control



Documentation

► IsoMatch GEOcontrol

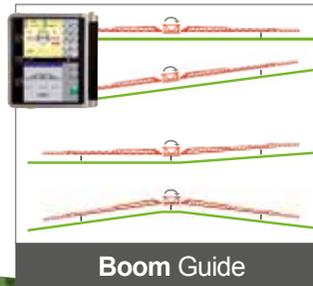
Once you have an IsoMatch Tellus Terminal you can simply unlock the IsoMatch GEOcontrol application (after you have purchased a license key) and you get access to all precision farming applications: automatic switching on and off implement sections, variable rate control, manual guidance and easy exchange of data between the IsoMatch Tellus and your PC. To get familiar and convince yourself about the customer benefits of IsoMatch GEOcontrol you are entitled to 25 hours free of use of the application, before purchasing a license. No doubt for us, you will quickly become an enthusiastic follower of this new technology!



IsoMatch Global



IsoMatch Eye



Boom Guide



iXclean Pro





I am saving up to 5% on che



chemicals

“An advantage of the iXdrive is that it gives me a very good view of the crop from the cab, because I don’t have a tractor bonnet in front of me. I am constantly looking at the crop, so the optimal view is important for me. I am driving day and night with GPS. This is possible thanks to IsoMatch GEOcontrol. With the 80% overlap I am using, I save up to 5 % on chemicals. Automatically I am always on the right track. It simplifies my day, because I can stay focused on my spraying job.”

24/7....





 Kverneland
iXdrive



Adjustable Track Width

The Ultimate Crop Protection Solution is available in three different ground clearance and track width combinations. The hydraulically adjustable track width suits many row spacing possibilities in different crops. Adjustment between the two track widths from the cab is available as an option.

iXdrive	4180			4240 - 5240 - 6240		
Ground clearance	1.20 m	1.20 m	1.40 m or 1.70 m	1.30	1.50	1.70
Track width*	1.50 - 1.80 m	1.50 - 2.25 m	2.25 - 2.95 m	1.80 - 2.25 m	2.25 - 2.95 m	2.25 - 2.95 m

*Track width in combination with standard tyres

The Ultimate



Wheel Axles

The hydro pneumatic suspension on both axles provides operator comfort and boom stability in transport and field operation. The 3D rear axle suspension allows axle movement, but limits the track influence on the spray boom. The strong chassis the best centre of gravity point brings a perfect 50%-50% weight distribution in every situation, without any influence from tank filling or spray boom position. Manoeuvrability is guaranteed with 2-wheel/4-wheel and crab steering modes as well as ErgoDrive headland management as standard.



Crop Protection Solution



IsoMatch Global

GPS antenna with DGPS accuracy.



IsoMatch InLine

Light bar which allows easy manual guidance.



IsoMatch Eye

You can connect up to four cameras for a better view by day and night.



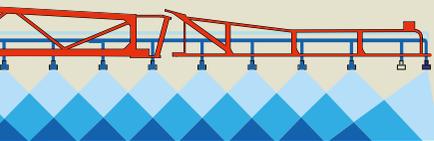
Non return valve

Avoids return flow to the water source.

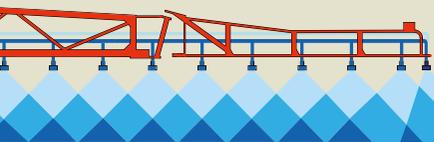


Suction hose (3 inch)

External aspirated water is filtered first by the filter on the hose and then by the suction filter.



Border nozzle



Verge nozzle



Optional Equipment



Boom Guide
Automatic spray height control system.



Rotating beacon
Safety on the road during transport.



Sensing skid
Prevents the spray boom from touching the ground.



Boom lights (LED)
For the best view of the spray boom and crop when spraying by night.



Outside cleaner
Allows cleaning in the field with water from the clean water tanks.

The High Tech Aluminium Boom

The high tech HSA aluminium spray boom efficiently protects the nozzle holders within the bottom profile of the boom. This profile is designed for easy cleaning with no sharp angles or corners for residue and liquid collect. The anodised surface protects against corrosion and scratches.

The HSA spray booms are equipped as standard with our iXflow spray line recirculation system with pneumatic nozzle control to create a fast-reacting spraying system, well suited to higher spraying speeds and automatic functions with GPS.





Aluminium bonding instead of welding provides a weight saving and remarkable strength. Developed in close cooperation with aluminium specialist Norsk Hydro, this patented aerospace technology has consistently proven itself in the field over the past years. As a result of these experiences and our full belief in the strength of the design, Kverneland offers 5 year warranty on the bonding and clamping of the boom.

The Professional and Compact Steel Boom Range



Working widths from 24 up to 40 metres with a variation in different



The HSS boom range is designed for professional use. It's triangular construction provides perfect integration of the stainless steel spray lines, nozzles and nozzle holders and the optimal hose routing where all is well protected. The special HSS profile combines a minimum of weight with maximum strength and stability. Computer assisted design, use of laboratory and field tests, special hardened Domex steel contribute to the legendary reputation of this long lasting heavy duty high quality booms. The HSS spray boom is equipped with a strong suspended parallelogram lift which gives optimal stability both in road transport and challenging field conditions.



section lengths: A spray boom that can be adapted to your demands.



Technical Specifications

iXdrive	4180	4240	5240	6240
1. Tank size				
Nominal tank capacity (l)	3800	4300	5000	6000
Maximum tank capacity (l)	4000	4600	5300	6300
Clean water tank (l)			520	
Hand wash tank (l)			15	
Fuel tank (l)	280		320	
2. Weight distribution				
Full (open boom)			50%-50%	
Empty (open boom)			51%-49%	
3. Weight				
Standard tyres	320/90 R46 Alliance	320/90R54 Alliance	380/90R54 Alliance	
Empty weight (with standard tyres)	9.500 kg ¹	10.700 kg ¹	10.800 kg ¹	10.900 kg ¹
	¹ Dependent on spray boom and tyres			
4. Chassis				
Wheel base	3.30m		3.60m	
Turning radius	3.80m (5.60m external)		4.10m (5.90m external)	
Steering mode	2-wheel ² /4-wheel ² /manual steering		2-wheel ² /4-wheel ² /manual steering	
	² Integrated ErgoDrive headland management control function			
Length x width x height (mm)	8700x2550x3600 ³		9095x2550x3800 ³	
	³ With 1.40m clearance, standard tyres, HSA 24m		³ With 1.50m clearance, standard tyres, HSA 30m	
Ground clearance (m)	1.20/1.40/1.70		1.30/1.50/1.70	1.30/1.50
Track width (m)	(1.50)1.80-2.25/2.25-2.95		1.80-2.25/2.25-2.95	
Hydro pneumatic suspension			Standard	
Hydraulic brakes			Standard	
Disc brakes			•	
Driving speed			0-20 km/h - field mode	
			0-40 km/h - transport mode ⁴	
	⁴ Dependent on tyre size and homologation			
5. Driveline				
Diesel engine	JCB, 4 cylinder power pack silenced		Perkins, 6 cylinder power pack silenced, 72 dBA at 1900RPM	
Power	165 HP 3a / 175 HP 3b		175 kW (240HP), Phase IV (T4)	
Adblue Tank			•	
Hydraulic Twin Sauer pumps			Standard	
Poclair wheel motors	MSE 11		MSE 18	
6. ISOBUS electronics				
FMA 7-15 sections			▲	
7. Spraying equipment				
Pumps 2x250 l - Altek piston membrane			Combined system	
Chemical inductor (42 l)			Standard	
IsoMatch Tellus and switchbox			Standard	
Joy stick			Standard	
iXclean Pro automatic valve management system			Standard	
iXflow spray line recirculation system			Standard	
ErgoDrive headland management system			Standard	
Speed sensor			Standard	
Urea sieve			Standard	
Hydrant filling			Standard	
Pump out connection			Standard	

iXdrive
8. Accessories
Outside cleaner
Boom Guide Pro
Suction hose
Float
Non-return valve set
LED boom lights
Rotating beacon
Sensing skids
Electrical border or
IsoMatch Global
IsoMatch Eye
IsoMatch InLine

Information provided in this brochure is for informational purposes only. The information may thus not be applicable in all countries. Please contact your local distributor for more information or described, to add or remove accessories. Please refer to the user manual for more information in order to better present functions and accessories for maintenance purposes, please refer to the user manual.

	4180	4240 - 5240 - 6240
(also loose available)		•
		•
		•
3" for suction hose		•
		•
		•
	-	• (only 3 part folded booms)
verge nozzle		•
		•
		•

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Spray booms	HSS 24-30	HSS 32-40	HSA 24-30
Model	4180 - 4240 - 5240 - 6240	4240 - 5240 - 6240	4180 = 24 m / 4240 - 5240 - 6240 = 24 - 30 m
1. Basic boom functionality			
Working width (m)	24/27/28/30	32/33/34/36/38/39/40	24/27/28/30
Material	Steel	Steel	Aluminium
Folding principle	Two-part side folding	Three-part side folding	Two-part side folding
Symmetric folding (m)	12/15/15/15	28/28/28/28/28/28	12/15/15/15
Assymetric folding (m)	18/21/21.5/22.5	30/30.5/31/32/33/33.5/34	18/21/21.5/22.5
Lift range - boom height (cm)		50-275	
2. Spray sections			
Standard	7/7/7/9	9/9/9/11/11/13/11	7/7/7/9
Alternative 1 (two sections more than standard)		•	
Alternative 2 (two sections less than standard)		•	
Alternative 3 (four sections more than standard)		•	
3. Spray jets			
Pentajets		Standard	
4. Hydro package			
4. Hydro package Hydro packages HSS 27-30 m /HSA Comfort 2:	HSS 24-30	HSS 32-40	HSA 24-30
1. parallelogram lift		Standard	
2. symmetric and asymmetric boom reduction (tip ends only)		Standard	
3. slope correction		Standard	
4. hydraulic locking		Standard	
Hydro package HSS 27-30 m /HSA Comfort 3:			
1. parallelogram lift		Standard	
2. symmetric and asymmetric boom reduction		Standard	
3. slope correction		Standard	
4. independent slope correction		•	
5. hydraulic locking		Standard	
Hydro packages HSS 32-40 m /HSA Comfort 2:			
1. parallelogram lift		Standard	
2. symmetric and asymmetric boom reduction (tip ends only)		Standard	
3. slope correction		Standard	
4. hydraulic locking		Standard	
Hydro package HSS 27-30 m /HSA Comfort 3:			
1. parallelogram lift		Standard	
2. symmetric and asymmetric boom reduction		Standard	
3. slope correction		Standard	
4. independent slope correction		•	
5. hydraulic locking		Standard	

▲ = must be selected, • = option, free to select



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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