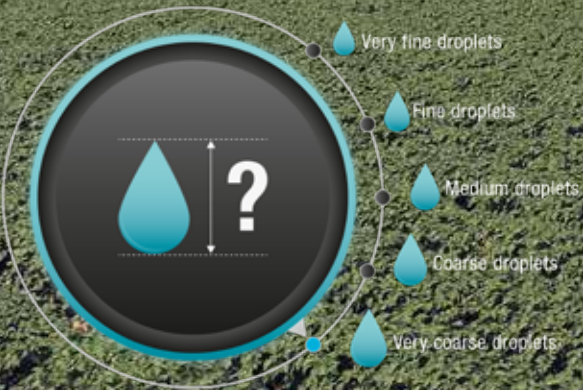


KUHN precision sprayers

# PRECISION SPRAYING AT YOUR FINGERTIPS

UP TO  
**£5000**  
OFF WITH SPRAYING  
TECHNOLOGY  
OPTIONS\*\*



KUHN, THE BEST INVESTMENT FOR MY FUTURE



be strong, be **KUHN**

# PRECISION, THE SOLUTION TO YOUR CHALLENGES

Given that spraying must be as accurate as possible in order to sustain crop performance while protecting the environment, precision technologies are crucial.

Now more than ever, you must protect your crops by spraying just the right dose, at just the right place. Obviously, these criteria are essential to the development of our products, but we also include ease-of-use, based on the observation that a tool that is easy to use will be exploited to its full potential of precision.

Precision is crucial to all spraying phases, from the preparation of the work through to flushing and cleaning the machine.



■ **PF front sprayer, mounted sprayers DELTIS 2 and ALTIS 2**



■ **Trailed sprayers LEXIS, METRIS 2 and OCEANIS 2**





Nozzle shutoff

# CCE NOZZLE SHUTOFF: SURGICAL PRECISION

It is important to understand that the more sections you have on the machine, the more you can reduce overlapping. So KUHN naturally offers systems with individual, GPS-controlled nozzle shutoff to optimise coverage.



## ■ 9x less overlap

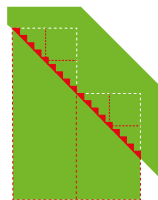


18 nozzles  
in four GPS-controlled  
4.5 m sections

20.25 m<sup>2</sup> of coverage  
with a peak at 45°

81 m<sup>2</sup> for a 36 m boom  
with 8 sections

CCE NOZZLE  
SHUTOFF



18 nozzles,  
controlled  
individually by GPS

2.25 m<sup>2</sup> of coverage  
with a peak at 45°

9 m<sup>2</sup> for a 36 m boom  
with 72 sections

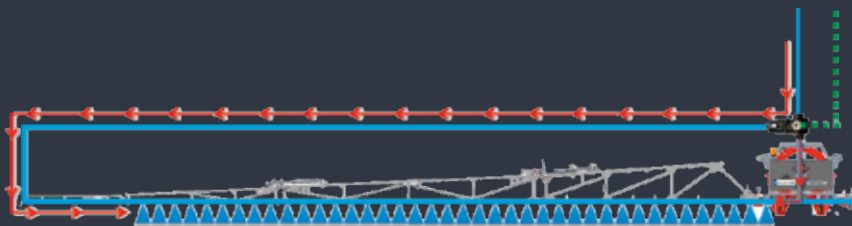
9 X  
LESS  
OVERLAPPING



## ■ 10seconds to prime the boom

CONTINUOUS CIRCULATION - PNEUMATIC OR CONTINUOUS CIRCULATION - ELECTRIC  
Real continuous circulation: fast opening and priming!

- Instantly prime the boom with the spraying mix
- Instantly turn spraying on/off to make the most of section control
- The entire volume can be diluted: 0 dead volume





## AUTOSPRAY: CONTROL DROPLET SIZE AT ANY SPEED!

Always maintain the right droplet size with the proper dose, regardless of your forward speed - that's precision pushed to the limit.

During spraying, speed, pressure and flow are closely linked to the type of nozzle used, forcing operators to limit their operating range. The AUTOSPRAY precision spray system eliminates all these constraints and makes the operation easier: users select the droplet size and dose required. They are then free to work accurately over a wide speed range.



### ■ 20 PULSES per second

Fitted with Pulse Width Modulation technology (PWM), the AUTOSPRAY system's smart nozzle holders dissociate spray pressure from nozzle flow rate. To do this, they divide the spray into 20 micro pulses and vary the opening time of each micro pulse.

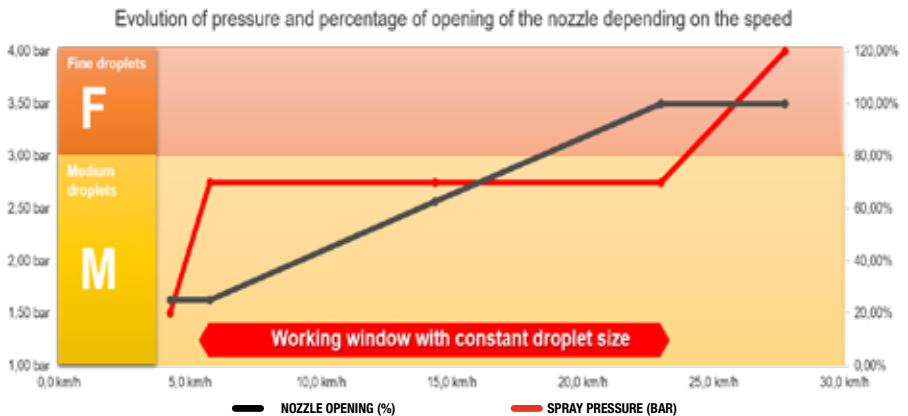


## ■ 1 CLICK for an important agronomic decision

Selecting the droplet size is a major agronomic factor to ensure successful treatment. The terminal lets you select fine droplets for contact treatment in good spraying conditions, or larger droplets to limit drift with just 1 click.

## ■ 1 NOZZLE does the work of 4: wider range of forward speed!

In order to maximize your sprayer's precision potential, 1 nozzle can perform the work of 4 consecutive nozzles, while maintaining an exact pressure within the operating range. This ensures a constant droplet size over a wide range of speed, or application rate adjustment.



Description	MULTISPRAY DUO	AUTOSPRAY
Opening/closing of spraying	Electrical	Electrical
Continuous circulation	X	X
Rapid priming	+++	+++
Individual nozzle shut-off	X	X
Automatic nozzle selection	X	
Selection and retention of droplet size		X
Number of nozzles per nozzle holder	4	5
Number of controlled nozzles	2	1
Working speed window	++	+++



## BOOM ASSIST: GIVE YOUR BOOM STYLE

EQUILIBRA + BOOM ASSIST: A boom that's always at the right height also ensures precision.

The ideal working height for optimal spray quality is 70 cm above the target. A boom that's too high or too low will result in under or over spraying, and also increases the likelihood of drift. Therefore It is very important to have a boom that is correctly positioned in relation to the topology of the field and to have excellent natural stability to prevent the boom from shaking.

These two features go hand in hand!





## ■ EQUILIBRA 3D suspension

THE Suspension system fully protects the boom, especially when turning, accelerating and braking. The pendulum-link suspension system ensures perfect stability.

## ■ 30 measurements per second

That's the number of measurements taken by the sensors on the BOOM ASSIST system to keep the boom at the right height at all times.

## ■ It only takes 3 sensors

These 3 sensors are equipped as standard with the patented HYBRID technology in order to continuously measure the ground and vegetation. Variations in density caused by irregular crops, or even lodged crops, do not affect the performance of the BOOM ASSIST system.



Description	BOOM ASSIST Slant	BOOM ASSIST Total	BOOM ASSIST Total Pro	BOOM ASSIST Extreme
Number of sensors	2	3	3	3
Sensors with HYBRID Ground / Vegetation technology	X	X	X	X
Height control	X	X	X	X
Tilt correction	X	By boom stability		X
Variable geometry boom		X	X	X
Proportional hydraulic control			X	X
Automatic height control at the headlands	X	X	X	X
Shock absorption by additional cylinders				X
Fast working speed (18 km/h and faster)				X
Spraying close to the crop (for nozzles every 25 cm)				X

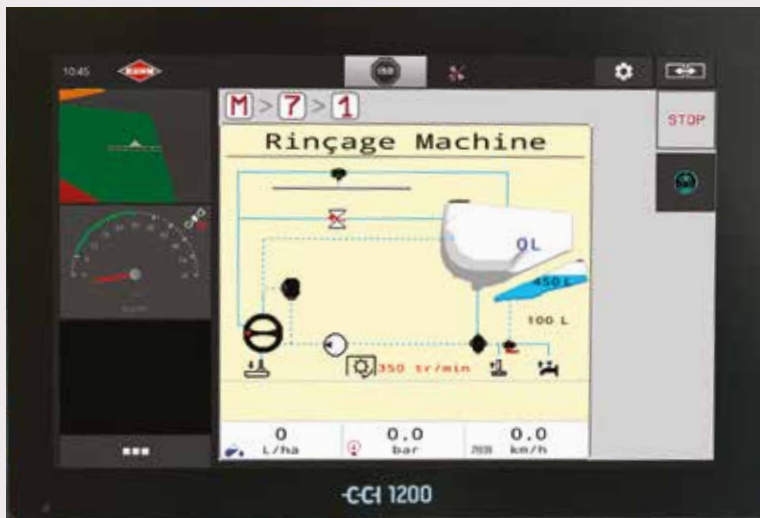


## PROPERLY FILLED AT THE BEGINNING, TOTALLY CLEAN AT THE END

When you work a specific surface area, it's important to fill the machine accurately. The first step to properly flushing the machine is to end up with an empty tank when you finish working the field.

KUHN now provides automated filling and rinsing with the DILUSET+ and e-SET systems to help you fill and clean your machine.

KUHN constantly seeks to make all of our machine easier to use, based on one simple rule: by keeping the number of valves to a minimum, we reduce the number of operations needed and minimise the risk of errors!



Description	DILUSET+	e-SET
Number of manual main valves	1	0
Number of motorised main valves	1	2
Automatic filling shutoff	X	X
In-cab electronic level gauge	X	X
Remote control panel located at the operator filling station		X
Activate the rinsing from the cab (machine, boom, boom only)	X	X
RINS ASSIST automated and sequential flush		X



### ■ 50% fewer manipulations

It takes just 2 main valves to fill the tank. This means you have fewer operations to perform, so there are fewer potential errors during the filling process.

### ■ 1% Dilution

E-SET is equipped with the RINS ASSIST automated flushing system that guarantees 1% dilution of the tank residue. Moreover, it displays the sprayer circuit on the control panel in the cab (ISOBUS version) so you can see how the rinse cycle is calculated.



# CCI 1200: VIEW EVERYTHING ON ONE SCREEN

An excellent terminal ensures that your spraying operations are comfortable and precise.

It allows you to easily control your sprayer from inside the tractor cab. Its ease of use is a critical point in simplifying your sprayer and all its precision options.



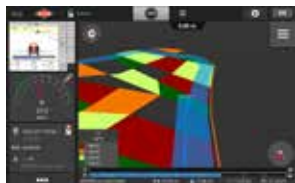
## ■ ISOCLICK: small and practical

When button feel is essential when working in the field, the ISOCLICK is a valuable ally. It has all the functions needed during spraying.



## ■ 2 screens in 1

Since spraying is synonymous with precision application, the CCI 1200 includes 2 main displays on the same screen. You're thus able to have easy access to the functions of the sprayers, but also to the precision functions with mapping (GPS-controlled shut-off, variable rate application, etc.).




## ■ Precision spraying

The CCI 1200 offers numerous precision functions for your spraying operations. They integrate a whole host of applications such as automatic nozzle shut-off, variable rate application, etc.



## ■ CCI 50

Compact, it has a 14.2-cm touch screen and 12 soft keys. It also provides all the functionalities for precision farming. The terminal has a handy MINI-VIEW function that lets you keep an eye on key spraying information when the fields are displayed.



## TAILOR-MADE SERVICES, BECAUSE YOUR CROPS DON'T WAIT!

In order to adapt to your specific needs, KUHN offers complete and tailor-made services. Our objective is to provide you with peace of mind and a unique operating experience by assisting you throughout the service life of your machines.

### ■ **KUHN** finance

INVEST RATIONALLY

Financing over several seasons or closed-end leasing, KUHN offers various solutions to assist you with the financing of your sprayer.



## ■ KUHN ORIGINAL PARTS

DON'T LET A BREAKDOWN INTERRUPT YOUR OPERATIONS

Our ultra-modern production tools guarantee original spare parts that defy time.

Do you need a spare part fast? With KUHN SOS order, you benefit from express delivery 7 days a week/362 days a year\*\*.



## ■ MyKUHN

24/7 ON-LINE SERVICES.

MyKUHN is your on-line space. Register today and discover how the exclusive services offered by MyKUHN can simplify the management of your KUHN fleet.



## ■ KUHN Nozzle Configurator

THE RIGHT NOZZLE. THE RIGHT SPRAYING RESULT.

The KUHN nozzle configuration smartphone application helps you select the right nozzle for your specific needs (forward speed, flow rate, etc.).

**UP TO  
£5000**  
OFF WITH SPRAYING  
TECHNOLOGY  
OPTIONS \*\*

# TAKE ADVANTAGE OF THE OFFER PRECISION SPRAYING

Save up to - **£5000** \*\* with the machine with the following equipments:

- Worklights
- STEERING AXLE
- DILUSET+ or e-SET operation
- GPS SECTION CONTROL on VISIOREB or ISOBUS terminals
- Hydraulic continuous circulation , pneumatic continuous circulation or electrical continuous circulation
- MULTISPRAY or AUTOSPRAY spraying system
- BOOM ASSIST height assistance system

\*\* When placing an order for a new sprayer equipped with at least 3 options among the list of equipment mentioned. Offer valid until 30/11/2020.

**CONSULT  
A KUHN SPRAYING EXPERT  
FOR ADVICE**



**WOULD YOU LIKE SOME MORE INFO?** COMPLETE THE FORM BELOW AND RETURN IT TO KUHN FARM MACHINERY UK LTD.

PLANS TO BUY A SPRAYER:

**MOUNTED:**  DELTIS 2  ALTIS 2

**TRAILED:**  LEXIS  METRIS 2 OCEANIS 2

Last name: .....  
 First name: .....  
 Company name: .....  
 Address: .....  
 Postcode: .....  
 City: .....  
 Mobile: .....  
 E-mail: .....

KUHN FARM MACH. LTD  
 Stafford Park 7  
 Telford  
 Shropshire  
 TF3 3BQ