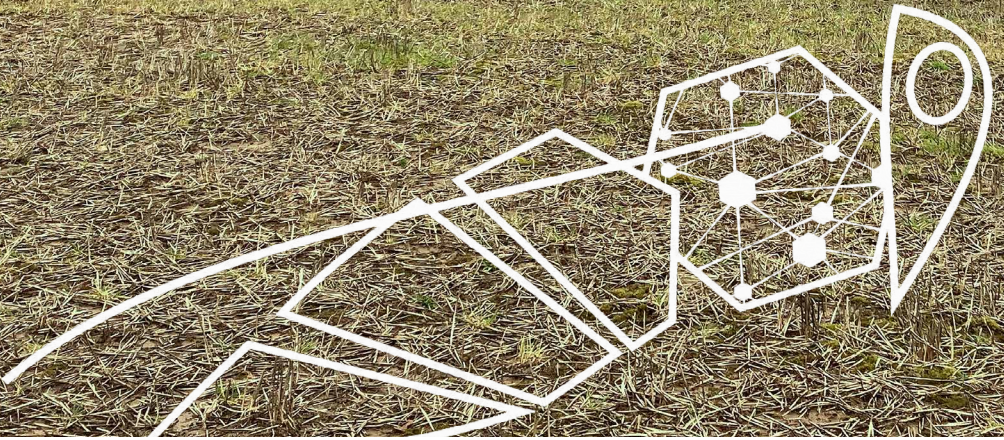


# SmartStriker X

## Smart Spraying System



The right dose, in the right place



CarbonBee

# SmartStriker X

## Real time localised weeding and modulation

Carbon Bee proposes SmartStriker X solution, its new generation “plug and spray” system allowing you to modulate your chemicals according to the needs of the crop and to spray only the weeds in different contexts:

- **Green on Brown™** for inter-crop and pre-mergent weeding (up to 95% savings)
- **Green on Green™** for localised catch-up weeding in crops (up to 90% savings)
- **Modulation** for herbicide, fungicide, nitrogen defanant real-time modulation

Application can be made:

- In **Spot Spraying™** (localised spraying)
- In **dual-dose** (high dose on weeds, low dose elsewhere)
- In **modulation** (dose proportional to weeds or crop biomass)

The dual-dose applies a minimum dose continuously and increases the dose according to the agronomic conditions (stage, infestation).

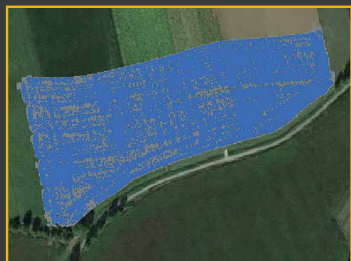
Modulation applies a dose proportional to the target biomass, weeds or crop, between a low-dose and a high-dose. This is useful in dirty context weeding, or to modulate nitrogen, fungicide or insecticide.

Thanks to its embedded artificial intelligence system, SmartStriker X™ takes control of your PWM to apply the right dose at the right place.

During each operation SmartStriker X™ maps the weeds and the application for optimal traceability and better monitor of the infestation over the years.

## Significant reduction of chemicals

Use case SmartStriker™ on 9.5ha parcel



<b>Agronomic context</b>	<b>Thistles detection in sugar beet crop</b>
<b>Used chemical</b>	<b>Lontel SG + oil</b>
<b>Chemical saving</b>	<b>80%</b>
<b>Economic gain</b>	<b>35€/ha</b>
<b>Weeding agronomic efficiency</b>	<b>80%</b>

# by Carbon Bee

**A complete solution that can be easily integrated**

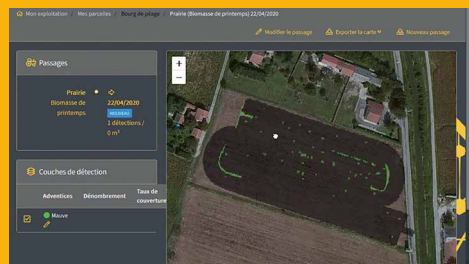
The Sensor takes and analyses pictures in real time thanks to its embedded Artificial Intelligence.

The Console is the interface between the user and the system SmartStriker X™. Could be replaced with ISOBUS console in cab (VT and TC client)



Infestation and treatment maps could be exported at the end of the treatment and are reported in real-time to ISOBUS TC server.

The Controller receives the information from the sensors and merges it to control the spraying and create the map in real time.



# SmartStriker X

## Technical specifications

	Sensor X	Controller X	Console
Weight (Kg)	0.5	1.5	1
Protection index	IP69K	IP69K	IP69K
Voltage (V)	10 - 60	10 - 60	10 - 60
Power (W)	5 max	5 max	5 max

## ISOBUS COMPATIBLE SmartStriker X™ System

Number of sensors*	1 every 3m
Max work speed	Up to 25km/h
PWM system compatibility	Raven - Teejet - BBLeap - Capstan - Bethoud Kuhn - Optima Concept - Amazone - Agrifac - and others



Scan for more details



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UK Distributor for Carbon Bee.  
25 years of expertise in Precision Farming.

