



ARABLE FARMING



Sugar beet



Onion



Carrot



Chicory



Spinach

GRASSLAND



Dock



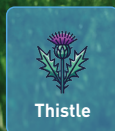
Nettle



Ragwort



Autumn
crocus



Thistle

Our expertise enables targeted and effective control of unwanted plants across a wide range of terrains.

Of particular note is our ability to efficiently spray out volunteer potatoes in onions and sugar beets.

This ensures a clean harvest and optimal yield.



WEED CONTROL WITH ARTIFICIAL INTELLIGENCE

RUMEX

RUMEX GmbH

Gewerbepark 25
87675 Rettenbach a.A.

☎ +49 176 8753 9329
support@rumex-gmbh.de

www.rumex-gmbh.de



RUMEX

RXF900

targeted crop protection
for specialty crops and
arable farming



www.rumex-gmbh.de

RUMEX



NO COMPROMISES!

Our machine offers a working width of 9 meters — because we don't compromise. It is designed for all common bed widths and utilizes the maximum transport width permitted for road traffic. It is also ideal for the increasingly common 3-meter beds, making it perfectly equipped for the future.

The spray boom is designed with a nozzle spacing of 4 cm, enabling very precise application of plant protection products while driving. A total of 222 flat spray nozzles are installed to ensure even and precise distribution. The spray booms are electrically height-adjustable so that the nozzles can be positioned as close as possible to the weeds.

Each camera is equipped with two headlights, each delivering 21,600 lumens. They illuminate the entire field of view of the cameras and enable use even in poor lighting conditions or at night.

- 6 cameras for crop detection
- 9 m working width
- 200 L spray tank + rinse tank
- Travel speed up to 8 km/h
- 222 individually controllable flat spray nozzles
- Spray width per nozzle: 4 cm
- Empty weight: about 1,400 kg
- Precise ground contour following and consistent spray height thanks to movable spray booms
- Control terminal for recording and adjusting driving and spraying data, as well as setting spraying parameters
- Electrohydraulic folding and unfolding
- Adjustable chassis for all common bed widths from 1.5 to 3.0 m
- Electrically height-adjustable spray booms
- Lighting with 43,200 lumens per field of view



The RXF900 is a mounted sprayer that attaches to the tractor's front three-point linkage. During operation, six horizontally aligned cameras capture the crop stand.

These data are processed using intelligent algorithms to reliably identify weeds. We are continuously developing new algorithms to recognize different weed species, constantly expanding the machine's range of applications.

When weeds are detected during operation, the required spray nozzles open as the spray boom passes, applying crop protection precisely and selectively. This works reliably even when turning or at varying driving speeds. The system can also differentiate between specific weed types to ensure the most effective treatment.

