

NUCROP

Hybrid Electric Crop Protection

POWERED BY



Nufarm



crop.zone

NUCROP IS THE ELECTRIFYING SOLUTION AVAILABLE TO EVERY FARMER AND CONTRACTOR LOOKING FOR A SUSTAINABLE, EASY, AND INNOVATIVE SOLUTION TO CONTROL WEEDS AND DESICCATE POTATOES WITHOUT ANY RESIDUE.

HOW IT WORKS

NUCROP is being developed by Nufarm and CROP.ZONE.

It is based on a unique hybrid herbicide concept that combines a conductive liquid called Volt.fuel with electro-physical weeding. This technology is an alternative and complementary solution to chemical-based weed control. Application of Volt.fuel allows for optimised, safer electrical energy management as it uses much less power than other electric weeding technologies and raises agronomic efficacy.



GENERAL PRINCIPLES

Spraying unit in front of the tractor

Electrical treatment unit on the back

Spray Volt.fuel conductive liquid

- Key to reduce electrical resistance, low energy requirement, safety and efficacy
- Consists of a nitrogen and phosphate-free mineral solution
- Does not contain chemical herbicides

FAQS

How does the NUCROP technology work?

To what depth are the roots destroyed?

What is the driving speed in operation?

How is NUCROP operated in the field?

What influence has NUCROP have on soil life?

Which areas of application are recommended and why?

What is Volt.fuel?

How does Volt.fuel work?

What is the application rate per ha?

Why is NUCROP 2021 focusing on potatoes?

How can NUCROP contribute to the conversion to organic agriculture?



CONTACT US

More information on our website
nucrop.com

Scan me!



Want to know the answers?
Or ask us further questions?

BENEFITS

The unique NUCROP combination is highly efficient at controlling weeds with no residue compared to the chemical alternatives, and offers better efficacy and crop safety than mechanical interventions. Application of the conductive liquid and actual control of the weeds with electrical voltage are carried out in a single step.

EFFECTIVE

- Fast to dry down
- Reliably efficient: does not depend on sunlight or longer dry periods
- Systemic effects on leaves, stems, and roots depending on applicator design

SUSTAINABLE

- Minimises the need for chemical herbicides and in many cases completely replaces them
- Allows soil-conserving agricultural practices such as no-till, mulch seed, cover crops, etc.
- Reduces erosion and water loss by preventing soil movement
- Allows new and minor crops where no dedicated herbicides are available
- Makes organic agriculture more effective and expandable
- Complies with EU targets for Farm to Fork, climate strategy, and regional development targets

INNOVATIVE

- Minimises energy use
- Uses electrical power to fight weeds and desiccate potato haulm
- Flexible toolbox to be part of precision farming
- Marketing concept based on use

NUCROP won two prizes!

POTATO EUROPE
NETHERLANDS 2021

Audience Award Winner 2021
Innovation Award 2021 Silver Medal

