



# **B+F** ELECTRIC WEEDER™

## **WORLD'S FIRST AI PRECISION ELECTRIC WEEDING ROBOT**

Designed for organic farming, the ElectricWeeder™ leverages advanced AI vision technology to identify weeds and crops in real time, using high-power electricity to kill weeds and to thin crops. It works for conventional, organic, and no-till farming. Electric weeding reduces farming costs, increases crop yield, and improves soil health. No hand labor, chemical herbicides, or mechanical soil disruption.

### **Economical Path to Organic Farming**



One of the largest obstacles to organic farming is cost-effective weed control. A solution to weed management that doesn't require herbicides or an increase in manual labor provides farmers with a more realistic path to classifying their crops as organic.

### **AI-Powered Electric Weeder**



World's first AI large language model-based selective weeder that uses electrical weeding. Outperforms chemical weeding, laser weeding, and mechanical weeding.

### **Increased Crop Yield and Quality**



Electric weeders leave the soil microbiology undisturbed, unlike tillage. The lack of herbicides and soil disruption paves the way for a regenerative approach, which leads to healthy crops and higher yields.

### **Regenerative Farming Practices**



Traditional chemicals or mechanical methods used by farmers, such as herbicides and cultivation, deteriorate soil health and are tied to health problems in humans and other animals. A no-till, autonomous, non-chemical weed management solution reduces or eliminates farmers' need for herbicides.



## PERFORMANCE

- Most efficient weeder on the market
- Covers 10+ acres/hour
- Kills up to 99% of weeds
- Works day & night 24/7
- Sub-millimeter accuracy
- Outperforms a hand crew of 100 people
- Increases crop yield, quality, and health
- Able to maintain high efficiency in high weed density areas
- Kills all weed species, particularly effective against grass weeds.
- Kills weeds at all growth stages and sizes

## TECHNOLOGY

- 7000V High voltage weeder
- Military-grade high-resolution predictive targeting cameras
- 100,000 Lumen highpower artificial lighting
- 10+ AI LLM-based crop models
- Precision computer vision software
- Touchscreen remote control and operating center

## SPECIFICATIONS

- 20ft coverage width liftable implement
- Available in 60", 120", and 240" swath width
- 60-88" adjustable row spacing
- Highly modular machine, designed for easy adjustments to row spacing, crop bed elevations, and quick replacement of damaged parts.
- Available in autonomous version as well as tractor pulled version.



## CONTACT US

Email: [Info@bhfsolution.com](mailto:Info@bhfsolution.com)  
Web: [www.bhfsolution.com](http://www.bhfsolution.com)