

# E K O B O T

Ekobot WeAI is a self-driving robot that control weeds in in-row crops. A robot can manage 10 hectares on a seasonal basis. With the help of AI, the robot identifies the weeds and removes them. The result is a higher yield, while the cost of manual labor and chemicals decreases.



## YIELD INCREASE



Europeiska jordbruksfonden för landsbygdsutveckling, Europa investerar i landsbygdsområden



Medfinansieras av Europeiska unionen

YIELD



**+5-20 %**

At Ekobot, we believe that our solution can improve the conditions for crops during their most vulnerable period and contribute to a 5-20 percent increase in yield, which is unique in the market.

Checks of Ekobot's robot system, conducted by a third party, show an increase in yield of approximately 6 percent compared to conventional farming techniques with chemical weed control.

CONVENTIONAL TECHNOLOGY

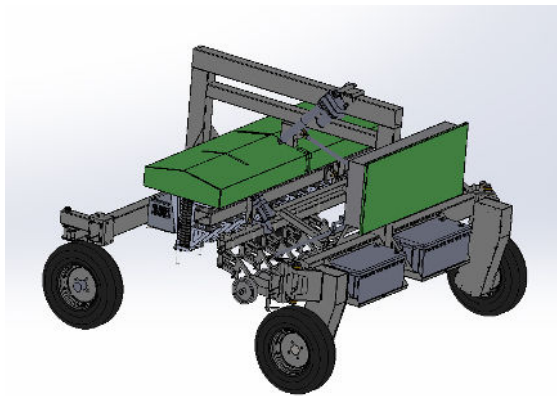
**+6 %**



## EKOBOTS ROBOT WEAI

- Eliminates the need for manual weed removal
- Minimizes the need for pesticides
- Monitoring via mobile/computer allows you to track weed control and crop development
- Weed removal can operate 24/7
- Provides weed removal both in the rows and between the rows

\*According to test projects conducted in 2022, crop yields increased by up to 6% in the robot-weeded fields compared to chemically treated fields. The storage capability of the onions also increased, and the average number of rotten onions in the experiments was half compared to the chemically treated onions.



*A picture of the new Ekobot WeAI, generation 4, that will be out on the market during spring 2024.*

### TECHNICAL FACTS

#### OPERATING TIME

Up to 9-12 hours/day on one charge

#### WEIGHT

600-700 kg

#### ENERGY

Electric powered (battery)

#### SPEED

Up to 2,5 km/h

#### TOOLS

Weed removal using both passive and active tools both within and between the rows.

#### CROPS

Onions, beetroots, carrots etc

#### CAPACITY

Up to 10 hectares

#### EKOBOT+

Intelligent decision support system detects flies, fungus etc

#### NUMBER OF ROWS

4-8

#### NAVIGATIONS

GPS RTK

#### VISION SYSTEM

Crop and weed detection based on AI

#### SAFETY

Laser, bumpers, cameras etc