



LES *Journées*
HORTICOLES & GRANDES CULTURES



AgRobotics – l'élimination des mauvaises herbes et tâches générales (stolens)

Nouvelles technologies en horticulture

Haggerty AgRobotics Company, Ltd.

Haggerty Creek Ltd: 2001

Grain Elevator and Agronomy Company

Precision Agriculture sales and Service (2004)

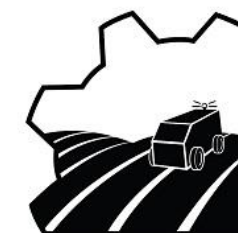
Raven, Trimble and others

Baresich Farms

Long term No Till cropping operation

Haggerty AgRobotics: 2021

Robotics and Automation for Field Crops



HAGGERTY
AGROBOTICS

Haggerty AgRobotics Company, Ltd.

Agriculture is under pressure from multiple fronts

Changing consumer trends affect our production methods

Let's assume chemicals are up for debate

- Weed resistance

- Limited chemical options with higher value crops

- Consumers perception

Labour shortages will continue to expand

We at Haggerty AgRobotics Company want to help provide solutions to our customers

Haggerty AgRobotics Company, Ltd.



Robotics and Strawberries

Our focus has been on

Weed Control

Other tasks such as:

Stolen Cutting

Management of beds between plants

Future Interests

Harvesting

Disease Management (chemical and non-chemical)

Haggerty AgRobotics Company, Ltd.

Weed Control

Strawberry robots tend to fit into the small to micro scale of robot

Other definition is a “co-bot”, where the robot is “helping” a human, or working alongside a person

Typically we have been using the Oz or the Roam-IO



Haggerty AgRobotics Company, Ltd.

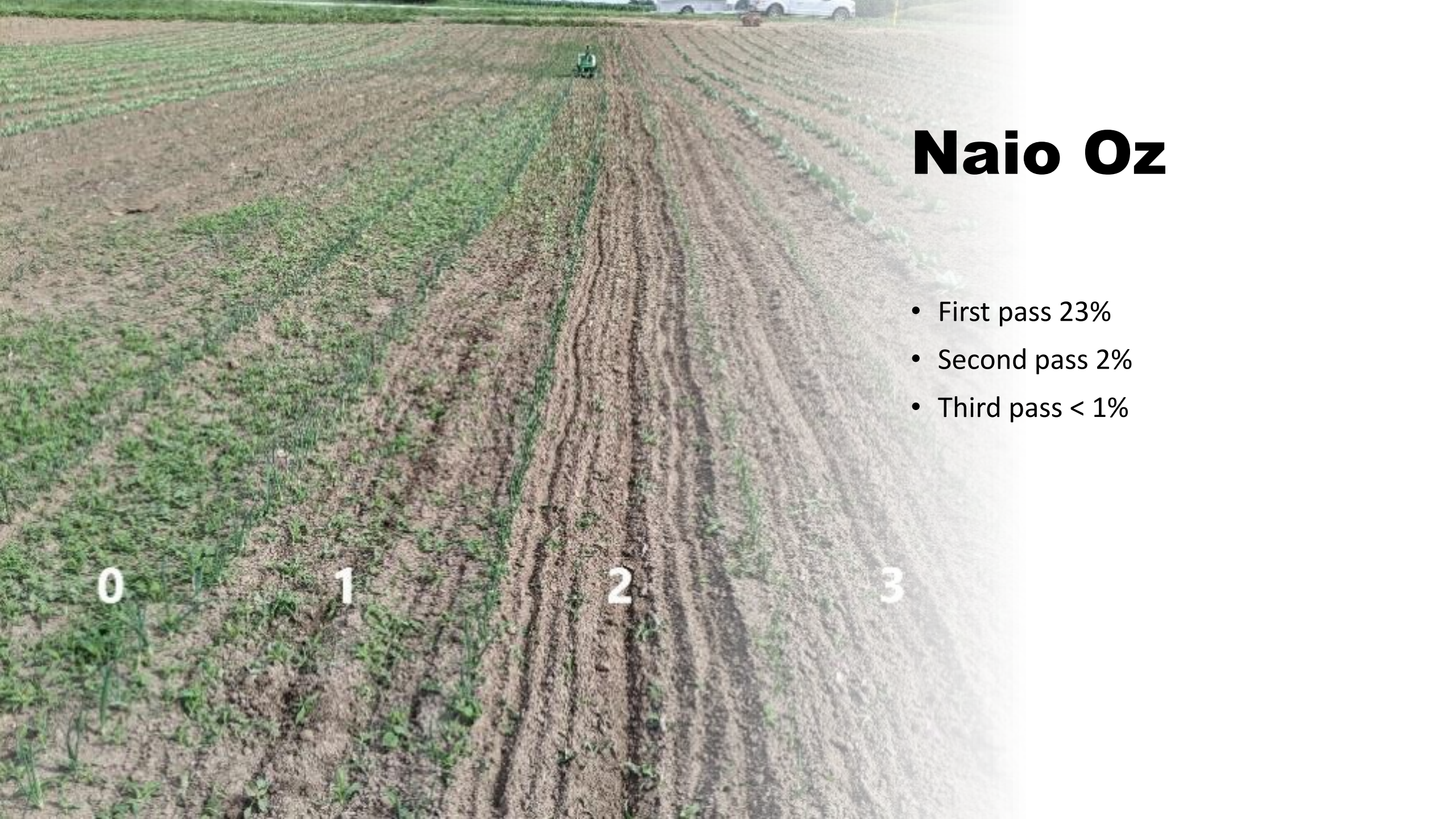
Naio Oz

10 Hours battery

Cultivate between rows







Naio Oz

- First pass 23%
- Second pass 2%
- Third pass < 1%

0

1

2

3

Haggerty AgRobotics Company, Ltd.

Other Tasks

Sprayer

Stolen Cutting

Disease Management



Haggerty AgRobotics Company, Ltd.

Stolen Cutting

Use a rolling coultter to cut

Mimic the use of other machines

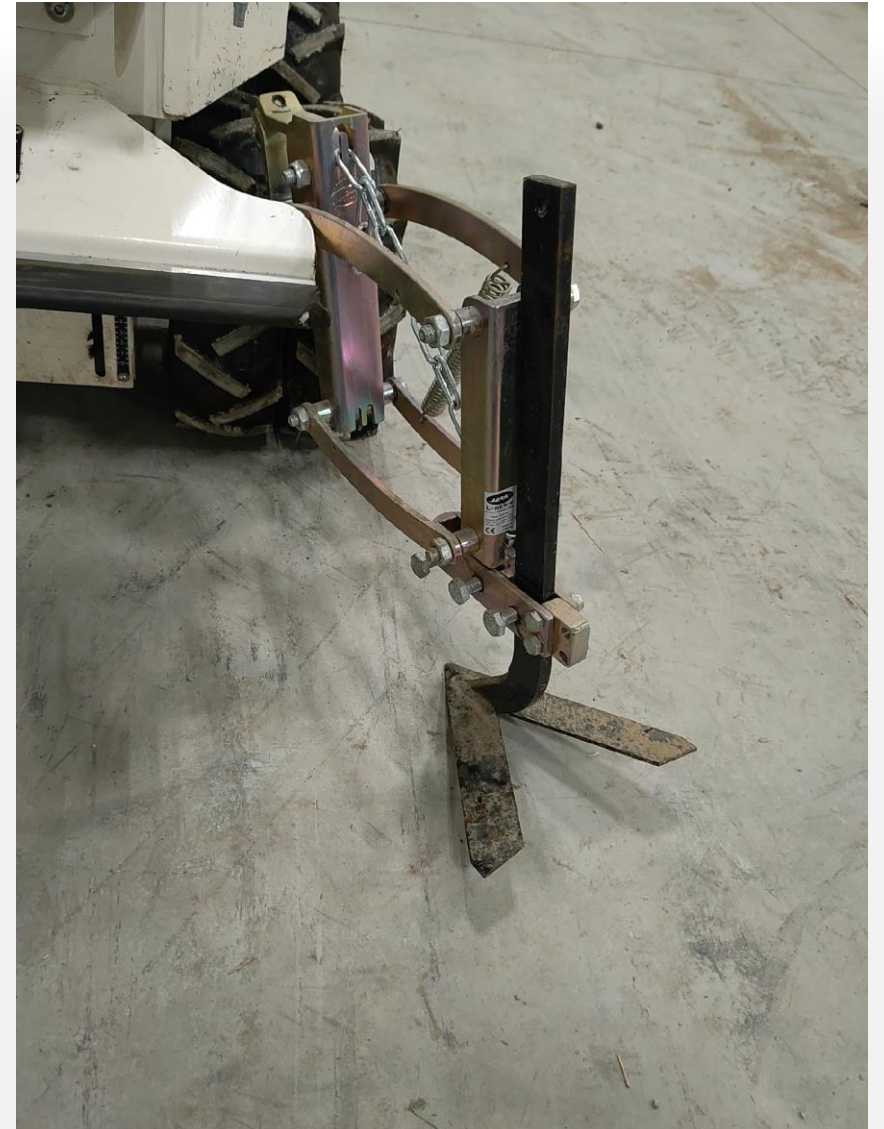


Haggerty AgRobotics Company, Ltd.

Traditional Machines (Tractor Drawn)



Haggerty AgRobotics Company, Ltd.

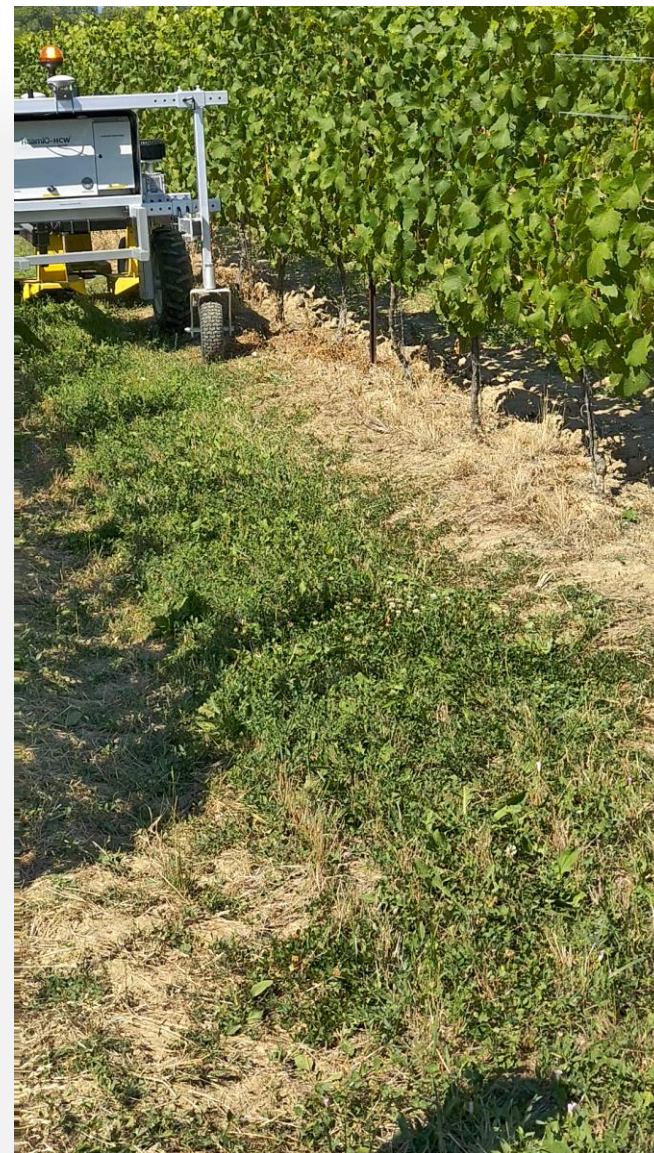


Haggerty AgRobotics Company, Ltd.





Haggerty AgRobotics Company, Ltd.



Haggerty AgRobotics Company, Ltd.

2023 Plans

UV-C Light trial

Mower

Hooded Sprayer





Haggerty AgRobotics
Company Ltd.
www.haggertyagrobotics.com
[@ag_haggerty](https://twitter.com/ag_haggerty)



