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**Highlights from OFVC and GLEXPO**



**Events highlight what's new in Horticulture**

The Ontario Fruit and Vegetable Conference (OFVC) and Great Lakes Expo (GLEXPO) are held annually in February and December. Both shows have research sessions where recent trials are presented as well as trade shows that showcase equipment and other products. Here are just a few things that were exciting to learn about at each of these events:

**Robotic, single row weeder**

**Oz Autonomous Mechanical Weeding Robot – OFVC**

This row crop weeder lasts up to 8 hours and travels up to 1.5 km/h (0.6 mph). It can weed up to 2 cm from the crop and has multiple attachments that can be used depending on the crop. Red stakes are placed at the end of rows and the machine weeds between the stakes and depending on what you program, moves towards the next row.

Go to <http://www.naio-technologies.com>, Call 450-803-6342 or E-mail [gmabe.inc@gmail.com](mailto:gmabe.inc@gmail.com)

**“In This Issue”**

- ◆ Highlights from OFVC and GLEXPO



OZ autonomous robotic weeder

## Highlights from OFVC and GLEXPO...con't



OZ autonomous robotic weeder

### Cabbage harvester ASA Lift – GLEXPO

This cabbage harvester uses belts to pick up the cabbage and pull it to a cutting disc mounted near the ground. Once cut, a large rubber belt gently moves the cabbage to a sorting table. From there, the heads are placed in a bin that lowers as it fills to prevent injury to the heads.

Go to [www.asa-lift.com](http://www.asa-lift.com), Call +45 5786 0700 or E-mail [asa@asa-lift.com](mailto:asa@asa-lift.com)



Single row ASA Lift Cabbage Harvester

### Controlled atmosphere storage totes JMT U.S. – GLEXPO

These controlled atmosphere totes extend the storage life of vegetables. They maintain balanced levels of oxygen and carbon dioxide for the harvested crop even while the it respire. They work by reducing the penetration of oxygen inside while easily letting carbon dioxide out. It's a passive membrane that does not require any addition of gas. There is a gas meter that should be used to regularly monitor gas levels inside the totes. Red or green caps can be placed on ports on the totes in order to maintain gas levels.

Go to <http://jmt-us.com/cas-products>, Call 517-219-5418 or E-mail [info@jmt-us.com](mailto:info@jmt-us.com)



JMT US Storage Totes



Chinese cabbage in JMT US Storage Totes

## Highlights from OFVC and GLEXPO...con't

Vegetable	Temperature	Days	Months
Swiss Chard	+2°C / 35°F	10 Days	28 Days
Bean	+2°C / 35°F	5 Days	20 Days
Lamb's	+2°C / 35°F	5 Days	15 Days
Leek	+0°C / 32°F	15 Days	45 Days
New potatoe	+3.5°C / 38°F	21 Days	90 Days
Lettuce	+0°C / 32°F	5 Days	21 Days
Turnip	+0°C / 32°F	1 Months	3 Months
Cauliflower	+0°C / 32°F	3 Weeks	1.5 Months
Broccoli	+0°C / 32°F	3 Weeks	1.5 Months
Sugarloaf	+0°C / 32°F	1 Months	2 Months

List of storage times other growers have experienced using JMT US controlled atmosphere totes

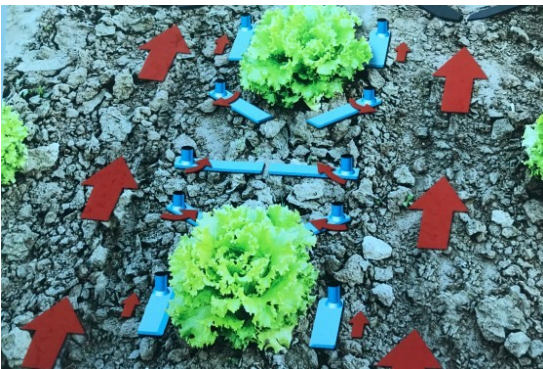
### Multi-row, inter-row weeder Oliver Agro – GLEXPO

A photoelectric sensor is able to detect plants and move knives to disturb the soil between the plants while traveling at an average speed of 1.5 km/h (0.9mph). Unlike a camera, this sensor is able to detect the plant based on an interruption in the beam/light between the two plants which causes the synchronized opening of the knives by compressed air. Since there is not a camera or computer processing what is the crop or what is the weed, this machine would be targeting small weeds right after emergence or disturbing the soil on a regular basis to prevent weeds from establishing.

Go to [www.oliveragro.com](http://www.oliveragro.com), Call +39 045 6954392 or E-mail [info@oliveragro.com](mailto:info@oliveragro.com)



Optyma Inter-plant weeding machine by Oliver Agro



Machine works with two blades moving in and out between plants between rows

## Highlights from OFVC and GLEXPO...con't

### Electronically driven asparagus harvester

#### Specialty Vegetable Equipment / Engels – OFVC

A battery powered asparagus harvester that follows the row. The machine allows the pickers to be as close to the ground as possible with the ability to move ahead quickly if there is an area without crowns.

Go to: <https://specialtyvegetableequipment.com/>, Call 519-458-4720 or E-mail [info@sveequipment.com](mailto:info@sveequipment.com)



Engels asparagus harvester

A full list of exhibitors can be found online on both of the event's websites:

[http://www.ofvc.ca/exhibit\\_list.html](http://www.ofvc.ca/exhibit_list.html)

<https://glexpo.com/exhibitors/>