



## Reduce Risk Strategies for Cabbage Maggot Control



LEAD RESEARCHER

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Crucifers (crops in the cabbage family) provide numerous opportunities for Canadian vegetable growers but are under attack by cabbage root maggots. In this research activity, the team is working to find new management tools – mainly insecticides – and strategies for how to use those insecticides with non-insecticide tools, so growers will see decreased crop losses from cabbage root maggot.

Over the winter, the research team at Agriculture and Agri-Food Canada Agassiz Research and Development Centre has been establishing a colony of *D. radicum* (cabbage root flies). Efficacy tests of different pesticides that are being evaluated in field trials will be used on the colony. The establishment of a *D. radicum* colony is challenging work. Last fall a colony was set up but crashed, requiring the research team to start over.

The research team is planning to start field trials in April depending on the weather.

### KEY TAKEAWAYS:

- Researchers have been working to establishing a colony of *D. radicum*. This is challenging work as last fall a colony was set up but crashed, requiring the research team to start over.
- Efficacy tests of different pesticides, currently being evaluated in field trials, will be used on the *D. radicum* colony.
- The research team is planning to start field trials in April depending on the weather.



On June 19, 2024 a field session was held in Abbotsford, B.C. to examine the field plots of the cabbage root maggot insecticide efficacy trials. Photo: Thomas Johnston



Close up of cabbage maggots on Brussels sprout roots.

Photo: Thomas Johnston

