

**Project #9025 ENHANCED WEED MANAGEMENT
Crucifier, Root & Leafy Vegetables**

**BRIEF
DESCRIPTION**

Poor weed control is a major factor limiting yield in fresh vegetable production in Ontario. Ontario Fresh Market Vegetable Growers need effective and economically sustainable weed management tools to be competitive in the global marketplace. This research will provide a means to obtain effective weed management tools through the User Requested Minor Use Label Expansion program coordinated by the Pest Management Regulatory Agency. These herbicide tools will be of economic benefit to growers of crucifier, root and leafy vegetable crops.

**PROJECT
OBJECTIVE**

Evaluate new, reduced-risk herbicides (for weed control efficacy and crop safety) to control weeds in fresh market crops (cabbage, cauliflower, broccoli, carrots, beets, and spinach)

Evaluate products that are currently available in the US and elsewhere for use in fresh market crops (cabbage, cauliflower, broccoli, carrots, beets, and spinach).

Evaluate new products to enhance weed control efficacy of weeds within adequate crop safety margins

In collaboration with the Ontario Minor-Use Co-ordinator (Jim Chaput), provide product performance data on crop safety and efficacy on a range of herbicides to the AAFC Pest Management Centre to support URMULE submissions to the PMRA

Make available reduced risk and safer weed control products for growers of fresh market crops (cabbage, cauliflower, broccoli, carrots, beets, and spinach) by obtaining registration of minor use products under URMULE. These weed control products will offer more effective and lower-risk alternatives to benefit growers.