

Lakeside Mid-May

GRAIN & FEED LIMITED



Dealing with Wild Carrot in an era of reduced tillage

Dave Curry - CCA

More growers and farm operations are looking towards no till and minimum till production practices across their land base. We are also seeing the adoption of strip till corn on a wider acreage in the Lakeside trading territory. With this, comes some changes and potential challenges in weed spectrums across the farm. One of the weed species showing up more often in these reduce till situations is Wild Carrot. Wild Carrot is a weed species that seems to be adapted to thrive under a no till/minimum till environment. The past few cropping seasons Wild Carrot has quickly become a leading weed species across our growing region.



Wild Carrot Seedlings Spring 2020

Wild Carrot was the first confirmed herbicide resistant species of weeds in Ontario. Over applications of 24D on railroad tracks in the 70s led to the selection of a resistant subspecies of Wild Carrot.

Over the last few seasons there has become a more and more noticeable amount of Wild Carrot in fields locally. It is starting to come a hot topic for weed control in both the Corn and Soybean crop.

This biennial weed can be tough to control in RR Xtend or Enlist soybeans with the typical Dicamba or 24D + Glyphosate application. Dicamba, 24D and Glyphosate herbicide formulations have very little effect on controlling Wild Carrot during the growing season.

We need to focus on other effective modes of action when targeting Wild Carrot in reduced tillage crop systems.

The good thing is we have some very solid herbicide options to address Wild Carrot in both corn and soybeans that can be applied safely within the growing season.

Corn

For the corn crop it comes down to a relatively low-cost herbicide, Peak. Peak herbicide with the active **prosulfuron (group 2)** has some excellent efficacy on Wild Carrot in the corn crop. This herbicide is very safe on the corn crop and can be applied right up until six leaf (V6) stage. A tank mix of Peak + Aatrex (atrazine) + Glyphosate is an excellent post emergent option for the corn crop. **Note:** When using Peak without glyphosate, a non-ionic surfactant such as Activate Plus is required.

CORN

Applications made to emerged weeds and crop (post-emergence).

| PRODUCT <i>(active ingredient)</i> | PRODUCT RATE/ACRE <i>(a.i.rate/ha)</i> | AVERAGE CONTROL (%) <i>(8 weeks after application)</i> | RANGE IN CONTROL (%) | NUMBER OF TRIALS |
|--|---|---|----------------------|------------------|
| PEAK + non-ionic surfactant <i>(prosulfuron)</i> | 5.3 g/ac + 0.2% v/v <i>(710 g/ha)</i> | 99 | 98-100 | 3 |

Problem weed guide for Ontario crops – Mike Cowbrough



Peak showing its effectiveness after an application on Wild Carrot in a minimum till corn field in 2019.

The content of this newsletter is based on the thoughts and opinions of individuals. Always read and follow label directions.

Soybeans

Classic or Chaperone herbicide with the active **chlorimuron-Ethyle (group 2)** is about the best option to apply to soybeans for control of Wild Carrot. This herbicide option can be applied in the burndown or post emerge up to the 3rd Trifoliolate stage (V3). If used correctly, this herbicide is very safe and will show limited crop response. Avoid application on soybeans during periods of drought, when temperatures are above 28°C, or on flowering soybeans. Severe yield losses may occur. **Note:** When using Classic or Chaperone without glyphosate, a non-ionic surfactant such as Activate Plus is required.

SOYBEANS

Applications made to emerged weeds and crop (post-emergence).

| PRODUCT <i>(active ingredient)</i> | PRODUCT RATE/ACRE <i>(a.i.rate/ha)</i> | AVERAGE CONTROL (%) <i>(6-8 weeks after application)</i> | RANGE IN CONTROL (%) | NUMBER OF TRIALS |
|---|---|---|----------------------|------------------|
| CLASSIC + non-ionic surfactant <i>(chlorimuron-ethyl)</i> | 14 g/ac + 0.2% v/v <i>(9 g/ha)</i> | 79 | 60-94 | 5 |

Problem weed guide for Ontario crops – Mike Cowbrough

Fortunate for us and not Wild Carrot, there are a few good tried and tested sulfonylurea herbicides on the market with great activity on Wild Carrot. Addressing Wild Carrot in corn and soybeans this spring/summer is key in keeping your crops clean all season long till harvest.

Contact one of your Lakeside Grain and Feed reps to make sure you have a solid game plan in place to attack Wild Carrot in your fields.