

PROBLEM WEED CONTROL IN CORN

Research conducted to date on controlling specific problem weeds in corn by Peter Sikkema, Ridgetown College, University of Guelph. Compiled by Mike Cowbrough, Field Crop Weed Specialist, Ontario Ministry of Agriculture and Food.
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TUFTED VETCH

Life Cycle: Perennial

Reproduction: By seed and by underground horizontal rootstocks.

Distinguishing Characteristics:

- The alternate leaves are compound (compound essentially means that the leaf is made up of many smaller leaflets).
- The leaflets of the compound leaves are opposite and a tendril extends from the end of each compound leaf.
- Tufted vetch has distinct purplish/blue flowers that eventually turn into brownish to blackish seed pods.



Tufted Vetch control options in Corn

Herbicides such as DISTINCT, BANVEL II, and CALLISTO have provided over 90% control of tufted vetch in field corn over 3 years of data (Table 1).

Table 1 - Control of tufted vetch using various post-emergent herbicides.

PRODUCT	TIMING	% CONTROL
Banvel II	POST	97
Callisto	POST	96
Distinct	POST	94
Liberty	POST	82
Summit	POST	80
PeakPlus	POST	72
glyphosate (2 L/ac)	POST – “RR” Corn only	72
glyphosate (1 L/ac)	POST – “RR” Corn only	57

Source: Dr. François Tardif, University of Guelph

This insert is the third in a series designed to provide clear and up to date research information on crop management challenges. Remove it from the magazine and file for easy reference.