

**Study Name:** Canada thistle control with post-harvest applications

**Study Number:** 9902

**Objectives:** Evaluate Canada thistle control with various herbicide rates applied post-harvest

**Results:** The study was established in fall 1998 near Grano, ND on pea residue that was heavily infested with Canada thistle and quackgrass. Treatments are listed below. The high rainfall in the spring of 1999 caused the plot area to be under water through late May. Therefore, we could not rate the plots due to lack of weed growth in the water-logged soil.

We could still visually determine which plots had been sprayed with Roundup compared to just 2,4-D or Banvel. Quackgrass in the plots was controlled in the Roundup plots, but not 2,4-D or Banvel plots. There certainly was more of a reduction in Canada thistle in the Roundup plots, but we felt that since the plants had been under water for such an extended period that ratings would not be reliable.

*Table. Canada thistle control with post-harvest applications*

Treatment <sup>a</sup>	Rate
Roundup	1 pt
Roundup	2 pt
Roundup	3 pt
Roundup	4 pt
Roundup +	2 pt +
2,4-D amine	1 pt
2,4-D amine	2 qt
2,4-D ester	2 qt
Banvel SGF	1 pt
Curtail	2 pt
Untreated	

<sup>a</sup> All Roundup treatments applied with 1% AMS