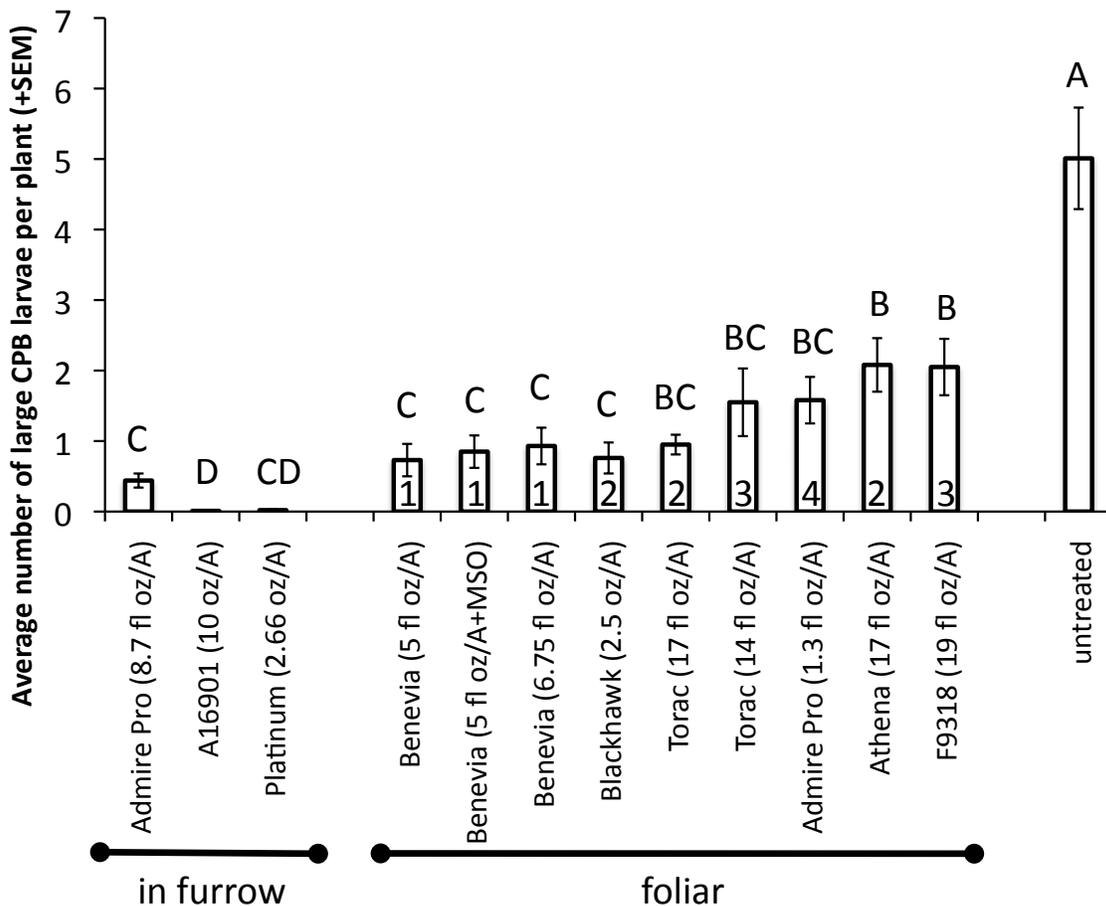


1st generation Colorado potato beetle insecticide field trial

Insecticides were applied in a field plot at the Montcalm Potato Research Farm; the graph below shows results for first (=overwintered) generation Colorado potato beetle large larval management. Insecticides were applied either once, at-planting in furrow, or foliar insecticides were sprayed at the 1 large larva or 1 adult per plant threshold. Bars with the same letters are not significantly different from each other.

RESULTS: All tested products significantly reduced first generation larvae relative to the untreated control. *Platinum* and an experimental compound (*A16901*) were the most effective at-planting treatments for suppressing large larvae. Among the foliar treatments, an experimental product called *Benevia* performed the best for larval control. This product was sprayed only once during the first generation, while all the other tested products had to be applied multiple times to keep larvae below threshold.

First generation Colorado potato beetle control

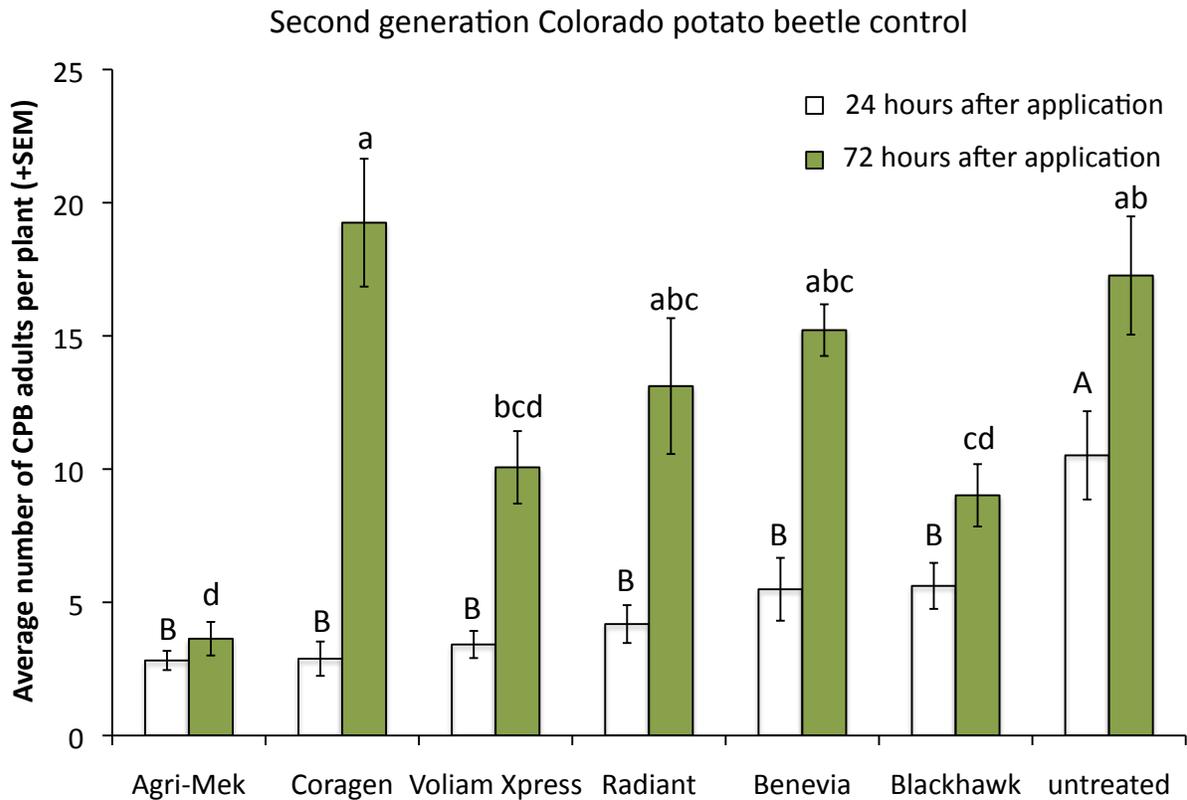


*numbers on bars indicate the number of times a particular insecticide was sprayed during the first generation, based on 1 large larva or 1 adult per plant threshold

2nd generation Colorado potato beetle insecticide field trial

Insecticides listed on the figure below were foliarly applied in the field on July 17, 2012. Adult Colorado potato beetles were counted on plants 24 and 72 hours after the foliar application. All the plants in this experiment were also treated with *Admire Pro* at-planting in furrow.

RESULTS: Twenty-four hours after foliar application all tested products significantly reduced adult abundance relative to the control, and all the insecticides performed similar to each other. Seventy-two hours after application *Agri-Mek*, *Blackhawk* and *Voliam Xpress* treated plants still had significantly fewer adults than the control.



Bars with the same letter above them are not significantly different. Compare letters above bars with the same color.