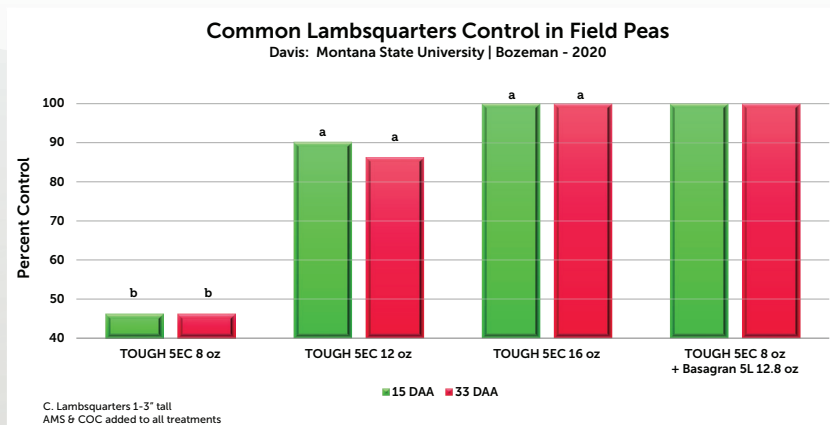


Technical Bulletin

Effectiveness of TOUGH 5EC on Various Broadleaf Weeds - Montana State University

Overview

In an effort to evaluate the effectiveness of TOUGH® 5EC (pyridate) postemergent herbicide to control problem weeds in field peas* in the Great Plains, a study was conducted in 2020 by Dr. Edward Davis- Agricultural Specialist Cropland Weed Research at Montana State University. Among the weeds evaluated in the study were Common Lambsquarters, Kochia and Russian Thistle.

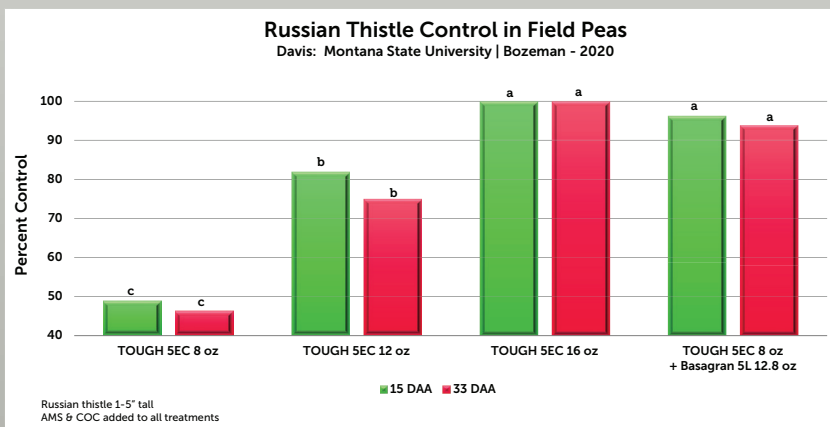
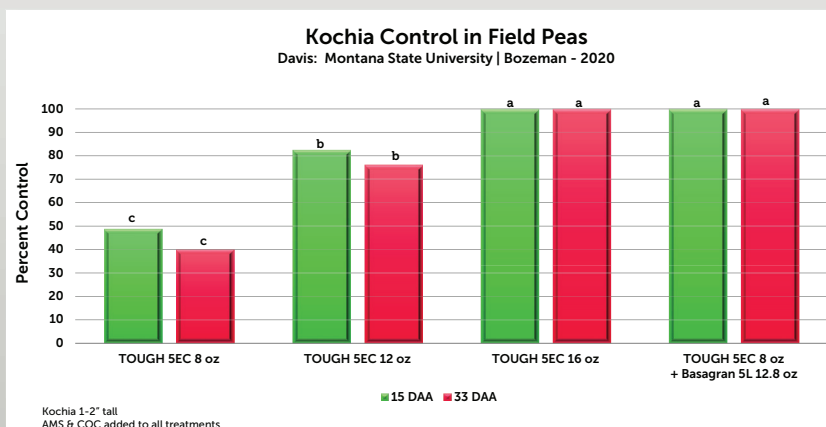


Methods

Plots were treated with various rates of TOUGH® 5EC - 8, 12 and 16 oz/acre. In addition, an 8 oz rate of TOUGH® 5EC was mixed with 12.8 oz of Basagran. All treatments included AMS and COC. At time of application; Common Lambsquarters was 1-3" tall, Kochia was 1-2" tall and Russian Thistle was 1-5" tall.

Results

In all plots, TOUGH® 5EC did not control these weeds when used at the 8 oz rate alone. The 12 oz rate of TOUGH® 5EC provided >80% control of all three weeds. The 16 oz rate of TOUGH® 5EC alone or the 8 oz rate combined with Basagran provided complete control of Common Lambsquarters and Kochia. The 16 oz rate of TOUGH® 5EC alone, or 8oz in combination with Basagran, provided greater than 95% control of Russian thistle.



This study reveals that TOUGH® 5EC is an effective herbicide, at reduced rates and in combination with Basagran, for post emergence broadleaf weed control.

* TOUGH 5EC is NOT registered for use on field peas. Studies are underway on various crops for further label expansion.

TOUGH 5 EC is a registered trademark of Belchim Crop Protection, Basagran is a registered trademark of BASF.
©2021 Belchim Crop Protection



2751 Centerville Road | Suite 100 | Wilmington, DE 19808
Phone: 855-445-7990 | www.belchimusa.com
info.usa@belchim.com