

NICOSULFURON AND THIFENSULFURON PREMIX FOR POSTEMERGENCE GRASS AND BROADLEAF WEED CONTROL IN CORN. Susan K. Rick, James D. Harbour, Larry H. Hageman and David W. Saunders, Field Development Representatives and Product Development Manager, DuPont Ag and Nutrition, Wilmington, DE 19803.

Nicosulfuron is registered for postemergence grass control in corn and marketed under the trade name Accent<sup>®</sup> herbicide. While nicosulfuron has demonstrated suppression and/or control of several broadleaf weed species, a tank mix partner is necessary for broad spectrum weed control.

Thifensulfuron-methyl is registered for postemergence broadleaf control and has been marketed under the trade name of Pinnacle<sup>®</sup> and more recently Harmony<sup>®</sup> GT in soybeans and corn. Thifensulfuron-methyl has also been marketed for broadleaf weed control in cereal crops under the Harmony<sup>™</sup> and Affinity<sup>™</sup> series of products. A pre-mixture of thifensulfuron-methyl and rimsulfuron has been marketed in corn as Basis<sup>®</sup> herbicide since the mid 1990's. Thifensulfuron-methyl provides suppression and/or control of various important broadleaf weed species including velvetleaf and common lambsquarters.

A pre-mixture of nicosulfuron and thifensulfuron-methyl provides the same grass control provided by nicosulfuron plus additional broadleaf weed control. A label was submitted to the EPA in August 2005 for the pre-mixture. The nicosulfuron and thifensulfuron-methyl mixture will be marketed under the trade name of Stout<sup>™</sup> herbicide. Federal registration was received in the fall of 2005.