

EFFECT OF ADJUVANTS AND APPLICATION TIMING ON THE EFFICACY OF POSTEMERGENCE APPLICATIONS OF NICOSULFURON PLUS RIMSULFURON AND MESOTRIONE MIXTURES IN CORN, Susan K. Rick, Larry H. Hageman, Kevin L. Hahn and David W. Saunders, Development Representatives and Product Development Manager, DuPont Ag & Nutrition, Johnston, IA 50131.

Field studies were conducted in corn to determine the effect of application timing and the effect of various adjuvant systems on the control of large crabgrass, green foxtail, yellow foxtail, giant foxtail, and various broadleaf weed species with Steadfast (nicosulfuron + rimsulfuron) plus Callisto (mesotrione) and atrazine tank mixtures. Timing of application at two growth stages, within the labeled corn heights, showed little difference in efficacy on grass and most broadleaf weed species or on crop response. In additional trials, at above maximum weed heights, it was found that use of a MSO/OS adjuvant provided the greatest control of grass weeds when used in combination with Steadfast and the tank mix partners. Crop response in these trials was similar across all adjuvant systems with all treatments.