

CONTROL OF WINTER AND SPRING ANNUAL WEEDS IN SOYBEANS WITH FALL AND EARLY PREPLANT APPLICATIONS OF CHLORIMURON ETHYL + SULFENTRAZONE + TRIBENURON METHYL VS CHLORIMURON ETHYL + TRIBENURON METHYL. Marsha J. Martin, Helen A. Flanigan, Donald D. Ganske, Kevin L. Hahn, Leslie Lloyd, and David W. Saunders. Development Representatives and Product Development Manager, DuPont Ag and Nutrition, Johnston, IA 50131.

In small plot field trials, tank mixes of Classic + Express (chlorimuron ethyl + tribenuron methyl) were compared to tank mixes of Canopy XL + Express (chlorimuron ethyl + sulfentrazone + tribenuron methyl) in fall or early pre-plant application timings. Testing was conducted in fall 2000/ spring 2001 and fall 2002/ spring 2003 in Iowa, Indiana, Illinois, Missouri, Ohio, Pennsylvania, and Wisconsin.

For burndown of all weed species rated, Classic + Express tank mixes performed similarly to comparable rates of Canopy XL + Express from both fall and spring applications. Except for eastern black nightshade, waterhemp species, and annual bluegrass, residual performance of Classic + Express was similar to Canopy XL + Express. Higher rates of Canopy XL + Express applied in the fall or early preplant gave suppression of these three weeds, whereas equivalent rates of Classic + Express gave no suppression.