CHLORIMURON ETHYL PLUS TRIBENURON METHYL: A NEW HERBICIDE FOR WEED CONTROL IN SOYBEANS. Kevin L. Hahn, Marsha J. Martin, Susan K. Rick, and David W. Saunders. DuPont Ag and Nutrition, Johnston, IA 50131.

Chlorimuron ethyl plus tribenuron methyl (Canopy® EX) a new fall-applied and early-spring applied herbicide for soybeans received federal registration on October 21, 2004. Prior to the registration of Canopy® EX, chlorimuron ethyl + sulfentrazone (Canopy® XL) tank mixed with tribenuron methyl (Express®) was widely used as a fall-applied and early spring-applied herbicide for burndown plus residual control of winter annual weeds in commercial soybean production fields.

2003 fall-applied research conducted by Universities and DuPont has shown that the sulfentrazone component in Canopy® XL was adding little to no additional efficacy or spectrum of weed control as compared to fall-applied Canopy EX®.

For 2004 early spring-applied timings, Canopy® EX performed similarly to comparable rates of Canopy® XL + Express® for burndown of emerged winter annual weeds at the time of application. Residual weed control of spring germinating weeds with the early spring application timing was similar between Canopy® EX and Canopy® XL + Express® except with the higher rates of Canopy® XL. Higher rates of Canopy® XL provided slightly better early season residual control of a few species of annual grasses and small seeded broadleaf weeds.

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