

OPTIMUM[®] GAT[®] CORN IN KENTUCKY. Sara K. Carter, Charles H. Slack and Helen A. Flanigan. Research Analyst and Research Specialist, University of Kentucky, Lexington, KY 40546-0312, Product Development Manager, DuPont Crop Protection, Wilmington, DE 19880-0705.

Trials have been conducted at the University of Kentucky's Spindletop Research Facility, Lexington, evaluating weed control measures utilizing the OPTIMUM[®] GAT[®] technology. Herbicides observed included combinations of rimsulfuron, chlorimuron ethyl and mesotrione (Instigate[™]), rimsulfuron, tribenuron-methyl and mesotrione (Trigate[™]) and thifensulfuron-methyl, tribenuron-methyl and chlorimuron-ethyl (Freestyle[™]). Treatments were applied preemergence and mid-postemergence. Weed species present included giant foxtail, smooth pigweed, common cocklebur and morning glory. All were $\geq 92\%$ controlled two weeks after the mid-post application and $\geq 89\%$ controlled four weeks after the application. There was no crop injury observed.