

CONTROL OF GLYPHOSATE RESISTANT VOLUNTEER CORN WITH CLETHODIM. Thomas T. Bauman, Michael D. White, and Chad D. Dyer, Professor, Research Associate, and Graduate Student, Department of Botany and Plant Pathology, Purdue University, West Lafayette, IN, 47907.

Volunteer corn can be effectively controlled with glyphosate when glyphosate resistant soybeans are grown after non-glyphosate resistant corn. The adoption of glyphosate tolerant corn is projected to increase in Indiana. Volunteer corn could become a problem in glyphosate resistant soybeans if they are grown the year after glyphosate resistant corn.

Field trials were conducted in 2002 through 2005 at the Purdue Agronomy Center for Research and Education to evaluate clethodim as a tank mix partners with glyphosate for its effectiveness in controlling volunteer glyphosate resistant corn in glyphosate resistant soybeans.

Rate, adjuvant, and glyphosate formulation all had an impact on the effectiveness of clethodim to control volunteer glyphosate resistant corn.