SOYBEAN AND POPCORN TOLERANCE TO KIH-485. Michael D. White, Thomas T. Bauman, and Chad D. Dyer, Research Associate, Professor, and Graduate Student, Department of Botany and Plant Pathology, Purdue University, West Lafayette, IN, 47907.

Field trials were conducted at the Purdue Agronomy Center for Research and Education in 2004 and 2005 to determine crop response and yield from soybean and popcorn plots treated at planting with KIH-485. Plots were maintained weed free through lay-by with cultivation and hand weeding.

Soybean: KIH-485 and s-metolachlor were tested at the labeled and twice the labeled rate at planting. No differences in crop injury or crop yield were observed between the two herbicides and the glyphosate standard.

Popcorn: Two popcorn hybrids (AP416 and P621) were tested. KIH-485, s-metolachlor, and acetochlor were applied at the labeled and twice the labeled rate at planting. No differences in crop injury or crop yield were observed between the three herbicides.