

CORN HYBRID AND HERBICIDE INTERACTION RESEARCH PLOT. H. Thomas Fick, General Manager K Double T Crop Consulting, 314 South 4th ST. Albion, NE. 68620.

Giltner, NE. has been the site of research for the interaction of a wide base of hybrid genetics with various herbicides for four years. This presentation will only provide information for 2002 and 2003. The research plot is pivot irrigated on a Hastings silt loam soil. The plot is replicated three times and utilizes a seventy- five foot row length with fifteen treatments that includes a hand weeded and untreated check. were five row plots and 2003 were four row plots.

Herbicides used in the project include: mesotrione, carfentrazone-ethyl, rimsulfuron-nicosulfuron, foramsulfuron, dimethenamid-P, dimethenamid-P + atrazine, diflufenzopyr + dicamba, dicamba DGA salt, atrazine + metolachlor, isoxaflutole, mesotrione + metolachlor + atrazine, flufenacet. An additional product tested was a harpin protein (Messenger) .

All products were studied for symptoms of injury and weed control. Various differences by hybrid are noted. All treatments are taken to yield and comparison then made and summarized. Individual data is sent to all cooperators involved in the research. Summary results will be shown for this presentation. Hybrids are all coded for confidentiality. Information on individual hybrids maybe obtained through K Double T Crop Consulting.