

EVALUATION OF DISCOVER® NG FOR POSTEMERGENCE WEED CONTROL IN WHEAT. Peter C. Forster and Donald J. Porter, Syngenta Crop Protection, Greensboro, NC 27419.

Discover NG is a new formulation of clodinafop-propargyl with a novel built-in adjuvant system that has been developed for postemergence annual grass control in wheat. In field experiments conducted during 2002 and 2003, Discover NG at 56g ai/ha provided excellent control of wild oats (*Avena fatua*), green foxtail (*Setaria viridis*), yellow foxtail (*Setaria glauca*), barnyardgrass (*Echinochloa crus-galli*) and volunteer corn (*Zea mays*). At 70g ai/ha, Discover NG provided effective control of giant foxtail (*Setaria faberi*), Persian dandel (*Lolium persicum*) and Italian ryegrass (*Lolium multiflorum*). Discover NG provided consistent grass control when applied with ground or aerial application equipment and when evaluated at several spray volumes. Discover NG was extensively evaluated in tank mixture with a number of broadleaf herbicide combinations for one-pass annual grass and broadleaf weed control. Spring and winter wheat varieties exhibited excellent tolerance to Discover NG. U.S. EPA registration for Discover NG has been granted.