

GRASS CONTROL WITH NICOSULFURON AND METSULFURON METHYL IN BERMUDAGRASS. Douglas E. Shoup, Assistant Professor, Department of Agronomy, Kansas State University, Chanute, KS 66720.

Limited options exist for grass control in bermudagrass pastures and meadows. The objective of this research was to evaluate johnsongrass (*Sorghum halepense*), downy brome (*Bromus tectorum*), and cheat (*Bromus secalinus*) control with nicosulfuron plus metsulfuron methyl in bermudagrass. Trials were conducted in 2008 and 2009 in southeast Kansas. Midsummer postemergence applications of nicosulfuron plus metsulfuron methyl provided greater than 85% control of Johnsongrass by one month after treatment (MAT) and 100% by 2 MAT. Dormant bermudagrass applications of nicosulfuron plus metsulfuron methyl controlled cheat between 62 and 87% by 1 MAT and 67 and 98% by 3 MAT. Downy brome control ranged from 60 to 87% 1 MAT and 72 to 96% control by 3 MAT with applications of nicosulfuron plus metsulfuron methyl. Glyphosate applications to dormant bermudagrass gave 100% control of all cool season grasses at both 1 and 3 MAT. No bermudagrass injury was detected in any herbicide treatments in either year.