

THIENCARBAZONE-METHYL: A NEW MOLECULE FOR PRE AND POSTEMERGENCE WEED CONTROL IN CORN. Brent D. Philbook^{1*} and Hans-Jochim Santel², ¹Bayer CropScience Research Triangle Park, NC 27709, and ²Monheim, Germany.

Thiencarbazone-methyl is a new sulfonyl-amino-carbonyl-triazolinone (SACT) from Bayer CropScience that controls grassy and broadleaf weeds through inhibition of acetolactate synthase. Thiencarbazone-methyl is taken into the weeds through aerial portions of the plants and from the soil. Thiencarbazone-methyl therefore provides a strong residual component for weed control. Thiencarbazone-methyl controls weeds of corn at rates as low as 8 grams active ingredient per hectare (g ai/Ha), and will be used up to 15 g ai/Ha per postemergence application. Lower rates have also been demonstrated to be effective at controlling key weeds in wheat. As a soil-applied herbicide, Thiencarbazone-methyl will be applied at rates up to 37 g ai/Ha per single application. In corn, Thiencarbazone-methyl will be combined in various premixtures with other complimentary herbicides and proprietary crop safeners.