

**MANAGEMENT OF GLYPHOSATE-RESISTANT WEEDS IN THE FALL WITH DUAL MAGNUM AND ENVOKE****J.C. Holloway****Syngenta Crop Protection****Jackson, TN****J.C. Sanders****Syngenta Crop Protection****Greenwood, MS****B.D. Black****Syngenta Crop Protection****Searcy, AR****S.H. Martin****Syngenta Crop Protection****Ruston, LA****E.W. Palmer****Syngenta Crop Protection****Vero Beach, FL****Abstract**

Syngenta and University scientists have evaluated fall applications of Envoke over the last several years for control of glyphosate-resistant weeds. These applications were made at early preplant timings with a spray volume of 10 to 15 GPA. Treatments included Envoke at 0.005 lb ai/A and Valor at 0.064 lb ai/A. Percent weed control was assessed for horseweed [*Conyza canadensis* (L.) Cronq.], henbit (*Lamium amplexicaule* L.), shepherd's-purse [*Capsella bursa-pastoris* (L.) Medik.], and annual bluegrass (*Poa annua* L.). Envoke provided consistent control of horseweed (>91%), henbit (>84%), shepherd's-purse (>84%), and annual bluegrass (>86%). The residual activity of Envoke at 0.005 lb ai/A against all four weed species extended to 100-160 DAA in most trials. Envoke provided consistent, broad-spectrum weed control when applied alone as a residual early preplant herbicide in cotton.

In Mississippi, Louisiana, and Arkansas, Dual Magnum has received a section 24C special local needs label for the control of Italian ryegrass (*Lolium multiflorum* Lam.) in corn, soybean, and cotton. Dual Magnum can be applied at 1.27-1.6 lb ai/A from September 1 – November 20 alone or in combination with Gramoxone Inteon. Excellent preemergence control of Italian ryegrass has been observed in multiple trials in the Mid-South with a fall application of Dual Magnum.