

PERFORMANCE OF NEW SEED-APPLIED NEMATOCIDES WITH GAUCHO GRANDE**Charles Graham****Bayer CropScience****Grenada, MS****Mike Schwarz****Bayer CropScience****RTP, NC****Chris Kleyla and William Hairston****Bayer CropScience****Research Triangle Park, NC****Abstract**

Abamectin Flowable seed-applied nematicide, expected to be registered 1st Qtr. 2006, and EXP 3 seed-applied nematicide, currently under development, were tested extensively in university trials in 2005. These products will be applied to cotton seed in combination with Gaucho Grande and premium seed treatment fungicides to provide early season protection against thrips, aphids, and seed and seedling diseases including, *Rhizoctonia*, *Thielaviopsis* and *Pythium*, and Root knot and Reniform seedling nematode injury. University field tests in 2005 showed both products provided significant reductions in root-knot nematode root damage. Neither product significantly reduced Reniform nematode counts over untreated, but this was expected. Both products gave positive yield benefits over untreated. Twelve university nematode trials in 2005 showed an average yield advantage for Abamectin Flowable and EXP 3 of 60 lbs and 91 lbs of lint/acre, respectively, over untreated. Efficacy was similar to other seed-applied nematicides currently registered.