

CONTROLE INTEGRADO DE *Schizaphis graminum* (ROND.) EM SORGO ATRAVÉS DE GENÓTIPOS RESISTENTES E DO PREDADOR *Doru luteipes* (SCUD.)

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ABSTRACT

Integrated Control of *Schizaphis graminum* (Rond.) on Sorghum Using Resistant Genotypes and the Predator *Doru luteipes* (Scud.)

The use of resistant sorghum genotypes plus the predator *Doru luteipes* (Scud.) to control the greenbug *Schizaphis graminum* (Rond.) was evaluated. Six sorghum genotypes were used: two resistants (GR and TX 2567), two moderately resistants (IS 3422 and KS 41) and two susceptibles (007 B and BR 300). Initial infestation of 15, 30 and 60 aphids/plant, with one predator/plant released three days after infestation were evaluated based on percentage of growth of infested plants compared to non infested plants and on a visual damage scale. For any of the aphid population density tested, the susceptible genotypes were highly damaged while the resistant ones were not. When the predator was present, damage on the moderately resistant genotypes was lower than without the predator. A positive interaction was observed when moderately resistant genotypes were used together with the predator *D. luteipes* on the control of *S. graminum*.

KEY WORDS: Insecta, greenbug, host plant resistance, biological control.

RESUMO

Avaliou-se a viabilidade de se utilizar conjuntamente genótipos de sorgo resistentes e o predador *Doru luteipes* (Scud.) no controle do pulgão-verde *Schizaphis graminum* (Rond.). Utilizou-se seis genótipos de sorgo, sendo dois materiais resistentes (GR e TX 2567), dois moderadamente resistentes (IS 3422 e KS 41) e dois suscetíveis (007 B e BR 300). Foram efetuadas infestações com densidades iniciais de 15, 30 e 60 pulgões/planta e liberado um

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