

# Curative Efficacy of Provaunt, Talstar and Conserve Against Sod Webworm Larvae in Creeping Bentgrass Turf – 2006

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## Objective:

The objective of this study was to describe the curative activity of Provaunt, Talstar and Conserve against sod webworm larvae in close-mowed creeping bentgrass

## Rationale:

Sod webworms can be a serious pest of closely mowed turfgrass putting greens and tees. The availability of fast-acting, curative controls for this insect can make sod webworm management more efficient by providing golf course superintendents the ability to respond to infestations quickly and effectively when they are first noticed. We evaluated the curative efficacy of three insecticides against the second generation of sod webworms occurring in Indiana in 2006.

## How it was done:

The experiment was located at the W.H. Daniel Center for Turfgrass Research and Education, Purdue University (West Lafayette, IN) on a stand of creeping bentgrass maintained at putting green height. Plots measuring 5 x 5 ft were arranged in a randomized complete-block design with 1 ft alleys between plots. Each treatment was replicated 4 times. Liquid treatments were applied August 8<sup>th</sup>, 2006 using a hand-held CO<sub>2</sub> boom sprayer configured with four 8010 nozzles operating at 30 psi and calibrated to deliver a spray volume of 2 gal/1000ft<sup>2</sup>. No post-treatment irrigation was applied. Efficacy data were obtained at 3, 7, and 14 DAT by soap flushing one 0.25 m<sup>2</sup> area within each plot and counting the number of sod webworm larvae coming to the surface. A different section of each plot was sampled on each sampling date.

## Results

Table 1. Efficacy of Provaunt, Talstar and Conserve for curative control of sod webworm larvae in turfgrass. Applications were made on August 8<sup>th</sup> and efficacy was assessed at 3, 7, and 14 days after treatment (DAT)

Treatment	Sod Webworms (% control)		
	3 DAT	7 DAT	14 DAT
Provaunt 1.25SC @ 0.027 lb AI/A	66.7	83.3	100
Provaunt 1.25SC @ 0.039 lb AI/A	50.0	100	100
Provaunt 1.25SC @ 0.054 lb AI/A	83.3	100	100
Talstar 0.67SC @ 0.052 lb AI/A	66.7	100	100
Conserve 1SC @ 0.273 lb AI/A	83.3	100	100

\*There were no signs of phytotoxicity associated with any of the insecticide treatments.