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Control of Greenhouse Whitefly (*Trialeurodes vaporariorum*) Using Visually Attractive Targets Impregnated with Pyriproxyfen

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Abstract:
The chemosterilant effect of a photo-stable juvenoid, pyriproxyfen, was investigated on greenhouse whitefly. Yellow fabric lures coated with 1 mg of pyriproxyfen per cm^2 drastically suppressed whitefly populations on bean plants in laboratory and glasshouse experiments. Numbers of eggs and larvae were reduced practically to zero over a period of several weeks. The success of such treated rectangular targets (25 cm×5 cm) placed among bean plants in a glasshouse prompted the development of Lano®-Tape, a roll of yellow tape treated with pyriproxyfen. It provides a labor saving method of whitefly control in commercial glasshouses as a substitute for conventional insecticide application techniques.

Keywords:
Trialeurodes vaporariorum, pyriproxyfen, attractant, yellow lure, sterilization

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