Decision making in integrated pest management for tomato protected crop

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47L Decision making in Integrated Pest Management for tomato protected crop

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In the south of France, protected tomato crop growers who are using biological methods to control whiteflies still do not have a reference guide that integrates production methods and is based on real decision rules. Their control methods, poorly or badly reasoned, fail more often. Since several years, the INRA Centre of Alénya (Roussillon, France) has dedicated experiments on elaboration and validation of decision rules adapted to the decisional chronology of biologically oriented IPM. This set of decision rules takes into account: 1) the dynamics of principal natural enemies towards relevant indicators; 2) cultural practices like de-leafing and 3) the climate management of greenhouses.

The set of decision rules is briefly presented (principal steps; various sampling indicators). Some decision rules are given, clarified and graphically illustrated after real examples chosen from commercial production conditions and adapted to *Macrolophus caliginosus* releasing strategies in a seedlings nursery.

Keywords: Biological control, decision rules, *Encarsia formosa*, Integrated Pest Management, *Macrolophus caliginosus, Trialeurodes vaporariorum*.

Abstracts

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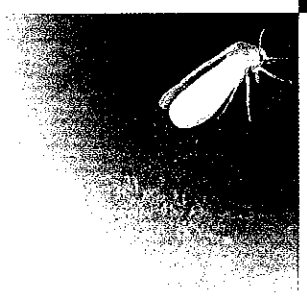

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