

P.36 - Side effects of biocides used in grapes on two strains of *Trichogramma cacoeciae* Marchal

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Integration of natural enemies into pest control tactics can not be successful if the agent does not survive the treatment. A laboratory test, following OILB procedures, has been conducted in order to test the effects of several compounds on the parasitism of two local strains of *Trichogramma* caught in La Rioja (Spain). Four pesticides (tebufenozide, azadirachtin, fenoxycarb and hexythiazox) were categorized as harmless following OILB standards. On the contrary, spinosad, clorpyrifos, lambda cyhalothrin, bifenthrin, copper hydroxide and sulphur were the most toxic to the parasitoid. Consideration of the pesticides' side effects on natural enemies will help improve pesticide selection by considering the environmental conditions for *Trichogramma* augmentation and conservation.