

NOTE: Effect of the Surfactant BB5 on the Potency of Thiamethoxam against the Whitefly *Bemisia tabaci*

I. Ishaaya,^{1,*} S. Kontsedalov¹ and A.R. Horowitz²

BB5, an alkyl phenoxy polyethylene ethanol formulated in acidic buffer, is an adjuvant added usually to various pesticides to potentiate their activities on various biological systems. Addition of 0.2% BB5 resulted in a considerable increase of thiamethoxam toxicity on *Bemisia tabaci* (Gennadius) nymphs. According to LC₅₀ values, the combined effect was over 25-fold higher than that of thiamethoxam alone. On the other hand, no appreciable combined effect was observed when BB5 and thiamethoxam were applied together on *B. tabaci* adults. The importance of these results is discussed.

KEY WORDS: Adjuvant; BB5; *Bemisia tabaci*; neonicotinoids; surfactants; thiamethoxam.

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¹Dept. of Entomology, ARO, The Volcani Center, Bet Dagan 50250, Israel. *Corresponding author [e-mail: vpisha@volcani.agri.gov.il].

²Gilat Research Center, M.P. Negev 85280, Israel.