Vegetable Soybean Pest Control by Neem seed (Azadirachta indica) Treatments.

Withee K. ¹ Anusornratchada B. Sangla L. Tepjun V. ²

¹ Chiang Mai Field Crops Research Center (CMFCRC), Department of Agriculture, Nonghan, Sansai, Chiangmai, Thailand.

email address: kellya-jai@hotmail.com

Abstracts

Effectiveness of neem seed (Azadirachta indica): ground neem seed, neem seed extract (Instar), neem seed extract (DOA) and Bt in pest management for vegetable soybean was tested in the field experiments during 2004-2005. Infestation of soybean pest per 20 plants was observed. The neem and Bt treatments were effective on Aphid (Aphis glycines) and Leaf roller (Lamprosema spp.) controls. The extracted azadirachtin (Instar and DOA) were able to effectively control bean fly (Malanagromyza sojae). White fly (Bemisia tabaci) was desireably controlled by ground neem seed and neem seed extract (Instar and DOA) as there was non significantly statistical difference from chemical treatments (carbosulfan, acetamiprid and imidacloprid). However, the neem seed treatments were highly effective within 7 days after spraying.

Key words: vegetable soybean pest control, neem.