

Control of Aphid, Jassid and Thrips in cotton

By : Mr. Naranbhai Samjibhai Solanki, Bhavnagar, Gujarat

Innovation Description

Mr Naranbhai Samjibhai Solanki has develop the herbal practice to control of aphid, jassid and thrips in cotton

Targeted pest: Aphid, Jassid,Thrips

Targeted crop: Cotton

Ingredients: *Momordica charantia* L., *Azadirachta indica* A.Juss., *Aloe vera* (L.) Burm.f., *Annona squamosa* L., *Canscora diffusa* (Vahl) R.Br. ex Roem. & Schult., *Andrographis paniculata* (Burm.f.) Nees, *Nerium oleander* L., *Nigella sativa* L., *Moringa oleifera* Lam.

Methodology: He is using about 500 g of each of bitter gourd, aloe vera, karyatu (*Canscora diffusa*), nerium indicum, kalijiri (*Nigella sativa*), custard apple leaves, mamejava (*Enicostemma littorale*), bark of neem, roots of drumstick plants and mixes in to 20 liters of water and kept it for 5 to 10 days.After filtration of solution applied to the cotton crop for controlling pests. Employ 200-250 ml in 15 L of water

Herbal Formulation for Pest Management in Cotton, Rice, and Vegetable Crops

By : Mr. K M Chellamuthu , Erode, Tamil Nadu

Innovation Description

Mr. K. M Chellamuthu from Erode, Tamil Nadu has developed a herbal formulation for the management of common pests in the Cotton, Vegetables, and Paddy.

Targeted crop: Cotton (*Gossypium arboreum* L.), Vegetables and Paddy (*Oryza sativa* L.)

Targeted Pest: Insect pests

Ingredients: *Vitex negundo* L., *Volkameria inermis* L., *Aloe vera* (L.) Burm.f.

Methodology: He crushes the leaves of *Vitex negundo* L., *Volkameria inermis* L., *Aloe vera* (L.) Burm.f. to prepare herbal formulation for using as a foliar application against the management of the pest. He sprays 1 L stock solution for an acre of land along with water.