



Chilli Thrips

Scirtothrips dorsalis Elai pen

	Prevention	Monitoring	Direct Control	Direct Control	Restrictions
 <p>Adult <i>S. dorsalis</i> (Andrew Derksen, USDA-APHIS, Bugwood.org)</p>	<ul style="list-style-type: none"> • Crop rotation/intercrop with Agathi (<i>Sesbania grandiflora</i>) to act as a barrier for pests. • Avoid chilli cropping after sorghum or following onion. Also avoid mixed cropping with sorghum and sugarcane. • Intercrop chilli with tomato. Tomato crop is recommended as a trap crop with chilli since it is not prone to thrips. • Planting of resistant varieties, such as Pant C1, Pant C2, Dh-7-6-6, Jwala, Musalwadi, K-3435 and IC 24343. 	<ul style="list-style-type: none"> • Monitor for upward curling of leaf margins and mottling appearance. • Severe damage is leaf distortion, defoliation, stunting, flower drop and dwarfing of plant • Place blue sticky traps @10 no's per acre. • Consider direct control actions when 3 nymphs or adults are found per infested leaf. 	<ul style="list-style-type: none"> • Foliar application of 5% NSKE (Neem Seed Kernal Extract) at a rate of 1 litre per acre. • Foliar application of Pongamia oil 1.6 litre/acre (foiliar means as spraying on leaves). • Foliar application of Neem oil at a rate of 2 litres per acre (foiliar means as spraying on leaves). • Foliar sprays with 300 ml tobacco decoction and 350 ml fish oil resin soap per acre. • Release of predatory mite <i>Amblyseius swirskii</i> at a rate of 25-100 mites per m². 	<ul style="list-style-type: none"> • Avoid resurgence causing pesticides. • Seed treatment with Imidacloprid at a rate of 10 g/kg of seeds. Seedling dips with Imidacloprid 17.8 SL (Trade Name: Confidor, Atom, Imida Gold) at a rate of 1.2 ml/litre of water. • Foliar application of Imidacloprid 17.8 %SL (Trade Name: eg. Confidor, Atom, Imida Gold) at a rate of 70 ml/acre. • Foliar application of Thiamethoxam 25 %WG (Trade Name: Actara, Click, Evident) at a rate of 50 g/acre. • Foliar application of Abamectin 1.8% EC (Trade Name: ABC, Vertimee, Abamectin) at a rate of 100 ml/acre. • Foliar application of Buprofezin 10 %EC (Trade Name: Banzo, Blunt, Buplon, Appland) at a rate of 250 ml/acre. 	<ul style="list-style-type: none"> • WHO Class II (moderately hazardous). • WHO Class II (moderately hazardous). • Thiamethoxam is not listed in the WHO guide lines. • Abamectin is not listed in the WHO guide lines. • WHO Class III (slightly hazardous).
 <p>Developing egg (Andrew Derksen, USDA-APHIS, Bugwood.org)</p>					

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