

# Chilli Thrips on Hot Peppers

*Scirtothrips dorsalis*



Adult Chilli Thrips (Actual size 1-2mm long). (Photo by Andrew Derksen, FDACS/DPI, Bugwood.org)



Chilli thrips damage on Sweet pepper, notice the curling and stippling and there is NO webbing associated with this damage. (Photo by Florida Division of Plant Industry Archive, Florida Department of Agriculture and Consumer Services, Bugwood.org)

Prevention	Monitoring	Direct Control	Direct Control	Restrictions
<ul style="list-style-type: none"> <li>Field sanitation. Remove old material from the field. Remove alternate host plants which includes many types of weed.</li> <li>Raise seedlings in a thrip free region so that seedlings are not carrying the pest.</li> <li>Once crop is established use overhead sprinklers to reduce the incidence of the pest.</li> <li>Hosts include: asparagus, pumpkin, watermelon, soybean, green bean, citrus, cotton, onion, groundnut, sunflower, cashew, tobacco, mango, sweet potato, as well as all the members of the pepper family (Solanaceae)</li> </ul>	<ul style="list-style-type: none"> <li>Check plants twice weekly from seedling stage.</li> <li>Use yellow sticky traps to monitor. Place 1-4 yellow sticky traps every 300 sq m field area. Place traps just above the canopy. Replace traps at least once a week.</li> <li>Check the lower surface of the leaves for the presence of pests. A hand lens is required</li> <li>Small (less than 1mm) insect, yellow to brown in colour as they mature cigarette shaped</li> <li>Heavy infestations cause silvering, leaf deformation and leaf fall.</li> <li>Treat when more than two thrips are found per plant sample about 10 plants across the plot.</li> </ul>	<ul style="list-style-type: none"> <li>Look for lace wing (Crysopa) as predators for the insect, hold off spraying if numbers of lace wings are high and thrips seem to be limited</li> <li>Spiders and predatory mites can also be found feeding on the pest these may keep the pest under control.</li> <li>Spray with finely chopped garlic solution in 50ml of mineral oil for a day</li> </ul>	<ul style="list-style-type: none"> <li>Ensure correct personal protection equipment is used when applying agrochemicals. Rotate chemical use (change chemical regularly) to prevent build-up of resistant pests.</li> <li>Chlorfenapyr (Pirate) 1/2tsp per gal</li> <li>Fipronil (Regent, Flip, Mortel) 1/2tsp per gal</li> <li>Abamectin (Newmectin, Vertimec) 1/5tsp per gal</li> <li>Spinosad (Spintor, Entrust) 1/5tsp per gal</li> <li>(Rosemary and Peppermint oils) Ecotrol 2-6tsp per gal</li> </ul>	<ul style="list-style-type: none"> <li>IRAC 13. WHO II. REI 24hrs, DTH 3-5</li> <li>IRAC 2B. WHO II. REI 24hrs, DTH 7</li> <li>IRAC 6. WHO II. REI 24hrs, DTH 3-7</li> <li>IRAC 5. WHO U. REI 24hrs, DTH 3</li> <li>IRAC U. WHO U. REI 24hrs, DTH 3</li> </ul>



## Barbados

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