Added in 2003 - Deleted in 2007

Reasons for deletion:

Scirtothrips perseae has been included in EPPO Alert List for more than 3 years and during this period no particular international action was requested by the EPPO member countries. In 2007, it was therefore considered that sufficient alert has been given and the pest was deleted from the Alert List.

Scirtothrips perseae (Thysanoptera: Thripidae - avocado thrips)

Why	Two pests of avocado (Oligonychus perseae and Tetraleurodes perseae) have
	been found in Israel in 2001 (EPPO RS 2003/044). The same species have also
	been introduced into California (US), most probably from Latin America. When
	looking at the Californian studies on these pests, it appeared that a third pest
	species Scirtothrips perseae was also reported as having been introduced from
	Latin America, and was causing economic damage to avocado orchards.
	EPPO Alert List.
Where	S. perseae was first noticed in California (US) in July 1996. At the time of
	discovery, it was described as a new species with an unknown area of origin.
	Further studies showed that it occurs in Mexico and Guatemala, and probably
	originates from this area. It is hypothetised that it was introduced into California
On this has been	with illegally brought planting material.
On which plants	Persea americana (avocado).
Damage	Both adults and immature stages of <i>S. perseae</i> can be observed on upper leaf
	surfaces, but when disturbed they move to real edges and undersides. Feeding
	follows loaf voins but as population increases bronzing is observed in random
	natterns between leaf veins Immature stages and adults also feed on young
	developing fruits while hidden under the calvy resulting in fruit scarring. In
	California outbreaks of S perseae are observed in winter and spring when
	temperatures are low, and populations decrease in summer. S. perseae is
	currently considered as a pest of major economic importance in Californian
	avocado orchards.
Dissemination	Over short distances, thrips are poor flyers but can be transported by winds. Over
	long distances, movements of infested avocado plants can ensure thrips
	dissemination. The risk associated with movements of fruits appears very low.
Pathway	Plants for planting of <i>P. americana</i> , fruits (?).
Possible risks	Avocado is not widely grown in the EPPO region but is of economic importance at
	least in Israel and Spain. It can be recalled that Oligonychus perseae and
	Tetraleurodes perseae have recently been found in Israel and are under official
	control. In this case, it is also believed that they came with illegally introduced
	avocado planting material. Control methods are being studied in United States
	(use of biological control agents, use of abamectin), but thrips are usually
	difficult to control in practice. Trade essentially concern avocado fruits which
	are not a risky pathway, but more attention should perhaps be paid to the
Sourco(s)	movements of planting material to avoid any introduction into the EPPU region.
300108(3)	in southern California. Insecta Mundi, 11(2), 189-192 (abst.). Swirki E. Wysoki M & Izbar V. 2002. Subtronical Eruits Paste in Israel. Eruit Board of Israel. 284 pp.
	NPPO of Israel, 2003-03.
	INTERNET
	avocado production by J. Toerien, http://www.colpos.mx/ifit/aduacate2/indles2/panoramic.htm
	University of California, Riverside (US). The biology and management of the avocado thrips,
	<i>Scirtothrips perseae</i> Nakahara (Thysanoptera: Thripidae) by M.S. Hoddle.
EPPO RS 2003/168	http://www.biocontrol.ucr.edu/avocadothrips.ntml
Panel review date	2007-03 Entry date 2003-11