





Technical Bulletin for: South African Carnation Tortrix

Epichoristodes acerbella (Walker) • Lepidoptera, Tortricidae • EPIACE



DISTRIBUTION	Kenya, Madagascar, South Africa (Western Cape, Gauteng, Limpopo) and Zimbabwe. Also present in Italy, Bulgaria, France, Croatia, Romania, Serbia, Slovenia, and Spain.
HOSTS	Monterey Pine, Insignis Pine, Radiata Pine, Daisy, Carnation, Alfalfa, Buckthorn, Strawberry, Coffee, Rose, Pear, Red Valerian, Cayenne Pepper.
DESCRIPTION	
Adult Moth	Forewings are 6.5-10.0 mm long, with an overall wingspan of 14-24 mm. Forewing is light-ochre, often darkly banded, hindwings are greyish-white. Body is yellow to reddish brown and generally unmarked.
Larvae	Late instar larvae are green to yellowish green with a darker line on the dorsal surface. Head and prothoracic shield are dark brown. Reach 17.5 mm in length.
Eggs	Light Green, laid in plaques measuring 10-15 mm long.
LIFE HISTORY	Up to four generations can occur in the field between April and October. The threshold of development is about 6°C, but larvae (the overwintering stage) are able to withstand lower temperatures. Females begin to oviposit about 24 h after mating, and each lay 200-240 eggs on the upper surface of carnation leaves, in batches over a period of 3 days. Males live for about 10 days and females 12 days producing approximately 440 eggs (Anon.,1997) Eggs hatch after 10 days or so. The larvae are leaf-rollers. This protects them while they feed on the foliage, then flower buds and stems. Total development lasts 40 days, with pupation occurring after 30.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	Z11-14Ac, Z11-14OH, Z9-14Ac and Z9-14OH on a Red Rubber Septum. Lure longevity: 30 days.	
TRAP TO USE	Red Paper or Plastic Delta Trap	
MONITORING STRATEGY	Hang traps near potential hosts in Early- to Mid-Spring, replacing lure as necessary through the winter, if problems persist. Check with Cooperative Extension or Master Gardener for local information and recommendations.	
CULTURAL & PHYSICAL CONTROL	Look for damage or defoliation on host plants, remove and dispose of infested plants if necessary.	

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