





Technical Bulletin for: European Pepper Moth

Duponchelia fovealis (Zeller) • Lepidoptera, Crambidae • DUPFOV



DISTRIBUTION	Endemic to the Mediterranean and the Canary Islands, also found in parts of Africa, Europe, The Middle East, and North America
HOSTS	Wide range of ornamental and field crops, such as Anemone, Laceleaf, Peppers, Pomegranate, Cucumbers, Corn, and Tomatoes.
DESCRIPTION	
ADULT MOTH	Wingspan is about 20 mm and a long, narrow abdomen measuring between 9 and 12 mm. It is olive-brown in color, with cream colored central lines on the hindwings.
LARVAE	Approximately 1.5 mm long upon hatching, with a shiny black head and salmon-pink body with gray spots. Final instar larvae reach 17-19 mm, with final color ultimately relying on diet.
EGGS	Oval in shape, about 0.5X0.7 mm long, and straw-colored initially, becoming pale pink, scarlet, deep red, and finally browns as it matures.
LIFE HISTORY	The moth flies from May to June, depending on the location. Eggs hatch after about 7 days. Depending on environmental conditions, larvae are fully grown after about 4 weeks. Adults emerge in 7-14 days depending on temperature and live for 2 or 3 weeks.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	E13-18Ald, Z13-18Ald and Z11-16Ald in a Red Rubber Septum. Lure Longevity: 30 days.	
TRAP TO USE	Red Paper or Plastic Delta Trap, or Green Uni Trap	
MONITORING STRATEGY	Hang traps just before the first adults emerge in May, checking weekly and replacing the lure as necessary after four weeks. Check with Cooperative Extension or Master Gardener for local information and recommendations.	
CULTURAL & PHYSICAL CONTROLS	Check for defoliation, collapsing, or dying plants., as well as for eggs on leaves. Remove or dispose of as necessary.	

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