





Technical Bulletin for: **CODLING MOTH**

Cydia pomonella (Linnaeus) • Lepidoptera, Tortricidae • CYPO01, 08, 10



DISTRIBUTION	All apple growing regions worldwide.
HOSTS	Apple, pear, peach, quince, walnut.
DESCRIPTION	
Adult Moth	Dark grayish wings; the tip of each forewing has a coppery-tinged, dark brown band that distinguishes codling moth from other moths found in apple orchards; hind wings pale gray; wingspan 0.5 in (12 mm) to 0.75 in. (19 mm).
Larvae	Newly hatched white with black heads; mature larvae pinkish white with mottle brown heads; 0.5 in (12 mm) to 0.75 in. (19 mm) long.
Eggs	Laid singly on leaves and sometimes fruit; smaller than a pinhead; disk shaped, opaque white when first laid; black head of larvae becomes visible just before hatching.
LIFE HISTORY	Female lays 40 to 50 eggs that hatch within 10 to 14 days; larvae develop in 21 to 35 days; adults emerge after 14 to 28 days as pupae on the host plant (under loose bark or in crevices; 1 to 3 generations (under certain conditions, 4) per year.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	CYPO01 3 mg, Cypo08 5 mg, Cypo10 10 mg (E,E)-8, 10-Dodecadien-1-ol on a red septum; longevity 5 weeks for Cypo01 and 8 weeks for Cypo08. Cypo10 for mating disruption only.	
TRAP TO USE	Plastic Delta Trap	
MONITORING STRATEGY	Place traps at the pink stage of bud development. Place the lure in the center of sticky bottom. Change the lure every five (5) weeks and the sticky as needed. Install at least one (1) trap per ha (2-3 traps will be better). Hung baited traps in the upper part of the tree crown. Place trap three (3) rows away from the edge of the orchard.	
CULTURAL & PHYSICAL CONTROL	Remove host trees in nearby abandoned orchards to destroy reservoirs of codling moth. Also remove fruit from nearby unsprayed apple, pear, and walnut trees, unpicked pollinizers and seedling trees in the orchard, as well as removing props, picking bins, and fruit piles from the orchard. Prune tall, overly dense tree tops to improve spray coverage. Hand thin to remove all infested fruit during each generation before worms leave fruit and pick up dropped fruit.	

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