





Technical Bulletin for: Red Bollworm

Diparopsis castanea (Hampson) • Lepidoptera, Noctuidae • DIPCAS



DISTRIBUTION	Cameroon, Eritrea, Kenya, Malawi, Mozambique, Somalia, South Africa, Uganda, Zambia, Zimbabwe
HOSTS	Cotton crops
DESCRIPTION	
Adult Moth	Variably colored forewings, generally maintaining a central reddish area. Hindwings and body are silvery cream in color.
Larvae	Newly hatched caterpillars are pale cream or grayish-white. Red markings occur in the second instar.
Eggs	Sky-bluish, turning gray before hatching.
LIFE HISTORY	Eggs are laid singly on stems leaves and bracts. These hatch after 4-10 days, and the emerging larvae immediately start tunneling into seed capsules (<i>i.e.</i> bolls). After passing through five instars in 2-3 weeks the larvae pupate and after a further 2-3 weeks adults emerge. Larvae remain in the bolls after first instar, and adults are sexually mature immediately upon emergence from the boll.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	E9,11-12Ac, E9-12Ac, 11-12Ac, and 12Ac on a Red Rubber Septum. Lure longevity: 30 days.	
TRAP TO USE	Red Paper or Plastic Delta Trap	
MONITORING STRATEGY	Hang traps near potential host crops. Check with Cooperative Extension or Master Gardener for local information and recommendations.	
CULTURAL & PHYSICAL CONTROL	Look for hollowed-out bolls or damaged flowers, including excrement from insects. Remove and burn infested plants or bolls and/or flowers as necessary. Check underside of stem leaves for eggs, removing as necessary	

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