







Technical Bulletin for: Spiny Bollworm

Earias biplaga (Walker) • Lepidoptera: Nolidae • EARBIP



DISTRIBUTION	Africa and Asia.
HOSTS	Cotton and okra.
DESCRIPTION	
ADULT MOTH	Brightish-green with silvery abdomen and green forewings, about 20mm long.
LARVAE	Grayish with black spots, about 15-18mm long.
EGGS	Spherical, bluish-green
LIFE HISTORY	Eggs (200-400) laid on flower buds, branches and young leaves, with a preference for hairy parts of the plant. Larvae hatch in 3-4 days and complete their development in about 10-16 days. Adults emerge after a 4-9 day pupation. Several overlapping generations are found in a single year.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	(Z)-11-Hexadecenal on a red septum. Lure longevity: Field life: four (4) weeks. 
TRAP TO USE	Paper or Plastic Delta   or Wing Trap 
MONITORING STRATEGY	In smaller fields, use one trap every 1 to 1 ½ acre. A minimum of two traps should also be used for fields of uneven topography. For larger fields (10 acres or greater) use 1-2 traps per five acres. Traps should be placed at approximately the same height as the crop. Traps should be checked weekly or more frequently, depending on pest population. Check with Cooperative Extension or Master Gardener for local information and recommendations.
CULTURAL & PHYSICAL CONTROL	Immediately shred the cotton plants following harvest. Shredding destroys some larvae directly and promotes rapid drying of unharvested bolls. If fall temperatures are high during September and much of October, leave crop debris on the soil surface for two or more weeks after the shredding operation to further destroy larvae. Be sure to comply with plow-down requirements and cross disc or plow to a depth of at least 6 inches.

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