





Technical Bulletin for: Asian Corn Borer

Ostrinia Furnacalis (Guenée) • Lepidoptera, Pyralidae • OSTFUR



DISTRIBUTION	Pan-tropical but can be found worldwide.
HOSTS	Store product pest. Frequently found in bakeries, flour mills, pet food, cereal and snack manufacturers as well as wholesale distribution centers and occasionally retail stores.
DESCRIPTION	
Adult Moth	Small (2-3 mm), reddish brown. Wing covers are covered with fine hairs.
Larvae	White, and hairy similar to scarabs.
Eggs	Eggs are light yellow or cream in color, turning black as the time for hatching approaches.
LIFE HISTORY	Eggs are laid in groups on the leaves of young plants and on the tassel and silk of mature ones. Larvae feed by boring into different aerial parts such as the tassel, stem and ears of corn. Pupation takes place in the bore hole. The life cycle of the pest averages 37.50 days. Egg period is 3-4 days. There are 5 larval instars, and the period of each instar was 3-7 days. Pupa stage period was 7-9 days, and moth period was 2-7

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	(Z)-12-Tetradecenyl acetate and (E)-12-Tetradecenyl acetate on a red rubber septum. Field life: four (4) weeks. 
TRAP TO USE	Paper or Plastic Delta Trap 
MONITORING STRATEGY	In smaller fields, use one trap every 1 to 1½ 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	Detasseling has shown to be effective in reducing pest populations. Remove 75% of the tassels after tassel emergence.

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