





# Technical Bulletin for: Larger Grain Borer

*Prostephanus truncatus* (Horn) • Coleoptera: Bostrichidae • PROTRU



<b>DISTRIBUTION</b>	Native to Central and South America, and the southern United States. Introduced into Africa, including Kenya, Rwanda, Uganda, South Africa and Malawi among others.
<b>HOSTS</b>	Serious pest of stored maize and dried cassava roots. Will also attack maize in the field. Lesser pest of yam, sorghum and wheat.
<b>DESCRIPTION</b>	
<b>ADULT MOTH</b>	Small (3-4.5mm), dark brown.
<b>LARVAE</b>	White, and fleshy with sparse hairs. C-shaped with small head.
<b>EGGS</b>	White to yellow with no surface features.
<b>LIFE HISTORY</b>	The life cycle is highly dependent on temperature and food source but typically lasts 40-92 days. Females lay 10-100 eggs with larvae emerging in 5-10 days. In warmer climates there can be 5-6 generations per year.

## MONITORING INFORMATION

<b>LURE ACTIVE INGREDIENTS, SUBSTRATE &amp; FIELD LIFE</b>	1-Methylethyl (E)-2-methyl-2-pentenoate and 1-Methylethyl (E,E)-2,4-dimethyl-2,4-heptadienoate in a 0.25 PE vial. 
<b>TRAP TO USE</b>	Pail Trap (Bucket) 
<b>MONITORING STRATEGY</b>	Traps can be placed year-round in warm locations but should be in greater numbers during the warmer months. It is recommended that traps be placed near materials susceptible to attack at one per every 10-50 feet. Trapping along corners, walls and posts is most effective for these beetles and this trap designs. In residences, place traps on shelving of cabinets and near food products. Check with Cooperative Extension or Master Gardener for local information and recommendations.
<b>CULTURAL &amp; PHYSICAL CONTROLS</b>	Clean the store between harvests, removing and burning infested residues, immersing grain sacks in boiling water and removing wood from stores or fumigating the store to eliminate residual infestations and the selection of only uninfested material for storage.

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insect monitoring systems

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