





Technical Bulletin for: Autumn Gum Moth

Mnesampela privata (Guenée) • Lepidoptera, Geometridae • MNEPRI



DISTRIBUTION	Australia
HOSTS	Eucalyptus
DESCRIPTION	
ADULT MOTH	Light brown forewings with patches of reddish brown. The hind wings vary from yellow to orange. The moths have a wingspan of about 4 cm.
LARVAE	Pale green with brown heads. At maturity, they are dark green.
EGGS	Eggs are oval in shape and pale green in color when first laid. They turn dark brown/black as they mature.
LIFE HISTORY	Eggs are laid in late summer/autumn through to winter. They are usually laid on the underside of the leaf, low down on the tree. Hatching occurs within 2-3 weeks. Larvae go through 5 stages and at the end of each stage shed their skin. The whole larval stage lasts for approximately 2 months, depending on temperature. Occasionally larvae may be found throughout the year. Fully fed larvae drop off the tree and burrow into the soil where they pupate. This stage may last 6-9 months after which time the adult moth emerges. Adults do not feed. They mate, lay eggs and die a short time later.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	(3Z,6Z,9Z)-3,6,9-nonadecatriene and (3Z,6Z,9Z)-3,6,9-Heneicosatriene in a Red Rubber Septum. Field life: four (4) weeks.	
TRAP TO USE	Red Paper or Plastic Delta Trap	
MONITORING STRATEGY	Traps should be hung at a height of approximately 1.5m from steel poles place a minimum of 30 m from the edge of a plantation. The distance between traps should be a minimum of 30 m. Check traps weekly. Check with Cooperative Extension or Master Gardener for local information and recommendations.	
CULTURAL & PHYSICAL CONTROLS	Removal and destruction of infested material via incineration is recommended for cultural control.	

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