



# Technical Bulletin for: Box Tree Moth

*Cydalima perspectalis* (Walker) • Lepidoptera: Crambidae • CYDPER



<b>DISTRIBUTION</b>	Japan, China, Taiwan, Korea, Russian Far East, India, invasive to Europe & Canada
<b>HOSTS</b>	Various species of Boxwood
<b>DESCRIPTION</b>	
<b>Adult</b>	Wingspan of 40-45 mm. In general, the adult form has white, slightly iridescent wings with a dark brown band at the outer margin and a characteristic white spot on the forewing, though an almost all brown variant does exist.
<b>Larvae</b>	Initially 1-2 mm long, reaching roughly 35-40 mm at maturity. The light green larvae are characterized by black stripes with white dots and hairs and a shiny black head.
<b>Eggs</b>	1mm in diameter. Greenish yellow when first laid, with black dots forming as larval head capsule forms.
<b>LIFE HISTORY</b>	There are two or three generations per year with adults flying from April/May to September. In the warmest parts of the European importation area, with cold conditions coming late in the year, there might be sometimes four generations per year. Eggs are laid on the underside of host leaves, usually in a cluster of about 10-20 eggs. The eggs hatch after about 3 days and young larvae feed on the underside of the leaves, webbing the leaves. The species overwinters as a juvenile cocooned larva (about 5–10 mm long), protected in an hibernarium made of two leaves solidly joined by silk.

## MONITORING INFORMATION

<b>ACTIVE INGREDIENTS, LURE, FIELD LIFE</b>	E11-16Ald and Z11-16Ald in a White Rubber Septum. Lure Longevity: 30 days.	
<b>TRAP TO USE</b>	Green Uni-Trap	
<b>MONITORING STRATEGY</b>	Hang traps on trees that have visible damage on the bark and/or signs of defoliation or leaf damage. Check with Cooperative Extension or Master Gardener for local information and recommendations.	
<b>CULTURAL &amp; PHYSICAL CONTROL</b>	Check trees for damage to leaves, defoliation, and occasional bark damage. Cut infested branches then burn, debark, or chip for best preventative.	

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