

Materials List for:

Building Double-decker Traps for Early Detection of Emerald Ash Borer

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Materials

Name	Company	Catalog Number	Comments
Light green corrugated plastic panel: 120 cm x 60 cm	Great Lakes IPM; www.greatlakesipm.com	IPM-EAB GR	All three surfaces of each prism need to be covered with clear insect trapping glue, even if the panels are pre-glued. Pre-glued panels are often not sticky enough to consistently capture or retain EAB beetles. Other clear insect trapping glue products are available but are considerably more difficult to apply.
Light purple corrugated plastic panel: 120 cm x 60 cm	Great Lakes IPM; www.greatlakesipm.com	IPM-EAB LP	
Large cable tie (4): 60 cm with a 79 kg capacity	Cabletiesandmore.com ; http://www.cabletiesandmore.com/cableties.php	CT-24-NU-100PK	
Medium cable ties (4): 20 cm with a 22.7 kg capacity	Cabletiesandmore.com ; http://www.cabletiesandmore.com/cableties.php	CT261	
Small cable tie: 10 cm with a 8.2 kg capacity	Cabletiesandmore.com ; http://www.cabletiesandmore.com/cableties.php	CT204	
cis-3-hexanol pouch	Synergy Semiochemicals; http://www.semiochemical.com/html/buprestids.html)	3136	Lures used to bait DD traps consist of pouches containing cis-3-hexenol, a non-toxic compound present in ash leaves. One pouch is attached to the lower edge of the top prism using a small cable tie. Each pouch of cis-3-hexenol has a release rate of approximately 50 mg/day. Note that cis-3-hexenol is sometimes written as Z-3-hexenol.
Aphinity Hexenol	Sylvar Technologies		
Lure GLV4 emerald ash borer	Chemtica, Heredia, Costa Rica		
cis-3-hexanol pouch	WestGreen Global Technologies; http://www.westgreenglobaltechnologies.com/		
Clear insect trapping glue	Hummert International; http://www.hummert.com/product-details/8196/pestick	01-3522-1	
Histoclear II histological clearing agent	National Diagnostics; www.nationaldiagnostics.com	HS-202	Histoclear II will be needed to remove the sticky insect glue from suspect beetles. Other histological clearing agents are available but may not remove the glue and some products dissolve plastic, an important consideration if plastic

			containers are used for soaking the beetles.
Histoclear II histological clearing agent	Great Lakes IPM; www.greatlakesipm.com	10011	Histoclear II will be needed to remove the sticky insect glue from suspect beetles. Other histological clearing agents are available but may not remove the glue and some products dissolve plastic, an important consideration if plastic containers are used for soaking the beetles.
t-post: 1.5 m	multiple sources		A t-post (5 feet tall) (1.5 m) is used to support the PVC pipe.
post pounder	multiple sources		Use a post pounder to set t-posts into the ground. No additional support is necessary.
HDPE (high density polyethylene) PVC pipe : 3 m x 10 cm diameter	multiple sources		
Forceps (rigid)	multiple sources		Forceps (tweezers) will be needed to remove suspect beetles from the traps. Rigid forceps work better than flexible forceps.
Latex gloves	multiple sources		Latex gloves are needed for applying the insect trapping glue to the prisms and for checking the traps to collect EAB beetles.
Baby oil or baby wipes	multiple sources		Baby oil or baby wipes are helpful for removing the trapping glue from hands and equipment.
Re-sealable plastic specimen bags: 5 cm x 8 cm	multiple sources		Small re-sealable plastic specimen bags are useful for collecting beetles from traps. Each bag should be labelled, either with pre-made, adhesive labels or with soft felt pens.
Guides to help with distinguishing EAB from beetles native to North America are available on the national EAB website at www.emeraldashborer.info.			