



## EMERALD ASH BORER

**The threat:** Emerald Ash Borer (*Agrilus planipennis*) is a wood-boring beetle native to East Asia which is currently causing significant damage to ash trees (*Fraxinus* spp.) in the USA and Canada with an estimated 100 million tree deaths being attributed to the pest. This has resulted in serious economic damage, and there is concern for the survival of several ash species and the associated biodiversity. The beetle has been recorded in Moscow, Russia and more recently in Ukraine, leading to serious concerns that it could spread rapidly to the rest of Europe. Infestation by Emerald Ash Borer beetles is usually fatal to affected ash trees and in Europe could pose as an additional threat to ash trees that are already under threat from Ash Dieback.

The IPSN is therefore conducting a trapping exercise to monitor the spread of Emerald Ash Borer in botanic gardens in eastern European countries. We would be most grateful if you could set up funnel traps on the *Fraxinus* spp. in your collection and report any findings related to jewel beetles (Fam. Buprestidae) and in particular Emerald Ash Borer (*Agrilus planipennis*). Please use one form per tree and refer to the accompanying trapping guidelines for further details on sample collection and identification.

Survey Details			
Name of Botanic Garden / Arboretum:			
Country:			
Address:			
Survey carried out by:			
Date of survey:			
Best description of season:			
Trapping schedule check point:			
Tree Details			
Species (cultivar)			
Accession number:			
GPS			
Country/region species is native to:			
Age (years):			
General Description of Health			
Generally healthy	✓	Some damage	✓
Dying	✓	Dead	✓
<u>Any recent changes in health or overall look:</u>			



## EMERALD ASH BORER

Trap check-up schedule	Lure Change	Check-up details	
2 <sup>nd</sup> half of May	1 <sup>st</sup> Installation	Installation of traps on selected trees	
1 <sup>st</sup> week of June		Beetles found? (i.e. Coleoptera)	Yes / No
		Number of jewel beetles found (i.e. Buprestidae family)? If yes, please specify number of individuals and genus if possible	
		Presence of EAB ( <i>Agrilus planipennis</i> )	Yes / No
		Specimen ID confirmed by local entomologist. If yes please specify contact name for verification.	
		Please attach a picture of any significant specimens found. Please ensure these are coded accordingly to facilitate cross-check (i.e. write picture name/reference in the box).	



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Trap check-up schedule	Lure Change	Check-up details	
3 <sup>rd</sup> week of June	2 <sup>nd</sup>	Beetles found? (i.e. Coleoptera)	Yes / No
		Number of jewel beetles found (i.e. Buprestidae family)? If yes, please specify number of individuals and genus if possible	
		Presence of EAB ( <i>Agrilus planipennis</i> )	Yes / No
		Specimen ID confirmed by local entomologist. If yes please specify contact name for verification.	
		Please attach a picture of any significant specimens found. Please ensure these are coded accordingly to facilitate cross-check (i.e.write picture name/reference in the box).	
2 <sup>nd</sup> week of July		Beetles found? (i.e. Coleoptera)	Yes / No
		Number of jewel beetles found (i.e. Buprestidae family)? If yes, please specify number of individuals and genus if possible	
		Presence of EAB ( <i>Agrilus planipennis</i> )	Yes / No
		Specimen ID confirmed by local entomologist. If yes please specify contact name for verification.	
		Please attach a picture of any significant specimens found. Please ensure these are coded accordingly to facilitate cross-check (i.e.write picture name/reference in the box).	



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Trap check-up schedule	Lure Change	Check-up details	
1 <sup>st</sup> week of August	3 <sup>rd</sup>	Beetles found? (i.e. Coleoptera)	Yes / No
		Number of jewel beetles found (i.e. Buprestidae family)? If yes, please specify number of individuals and genus if possible	
		Presence of EAB ( <i>Agrilus planipennis</i> )	Yes / No
		Specimen ID confirmed by local entomologist. If yes please specify contact name for verification.	
		Please attach a picture of any significant specimens found. Please ensure these are coded accordingly to facilitate cross-check (i.e.write picture name/reference in the box).	
4 <sup>th</sup> week of August		Beetles found? (i.e. Coleoptera)	Yes / No
		Number of jewel beetles found (i.e. Buprestidae family)? If yes, please specify number of individuals and genus if possible	
		Presence of EAB ( <i>Agrilus planipennis</i> )	Yes / No
		Specimen ID confirmed by local entomologist. If yes please specify contact name for verification.	
		Please attach a picture of any significant specimens found. Please ensure these are coded accordingly to facilitate cross-check (i.e.write picture name/reference in the box).	



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Trap check-up schedule	Lure Change	Check-up details	
2 <sup>nd</sup> week of September	4 <sup>rd</sup>	<b>Beetles found?</b> (i.e. Coleoptera)	<b>Yes / No</b>
		<b>Number of jewel beetles found (i.e. Buprestidae family)?</b> If yes, please specify number of individuals and genus if possible	
		<b>Presence of EAB (<i>Agrilus planipennis</i>)</b>	<b>Yes / No</b>
		<b>Specimen ID confirmed by local entomologist.</b> If yes please specify contact name for verification.	
		<b>Please attach a picture of any significant specimens found.</b> Please ensure these are coded accordingly to facilitate cross-check (i.e.write picture name/reference in the box).	
1 <sup>st</sup> week of October	End of trapping season	<b>Beetles found?</b> (i.e. Coleoptera)	<b>Yes / No</b>
		<b>Number of jewel beetles found (i.e. Buprestidae family)?</b> If yes, please specify number of individuals and genus if possible	
		<b>Presence of EAB (<i>Agrilus planipennis</i>) Y/N</b>	<b>Yes / No</b>
		<b>Specimen ID confirmed by local entomologist.</b> If yes please specify contact name for verification.	
		<b>Please attach a picture of any significant specimens found.</b> Please ensure these are coded accordingly to facilitate cross-check (i.e.write picture name/reference in the box).	