

Emerald Ash Borer

The threat: The Emerald Ash Borer (*Agrilus plannipennis*) 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 survey to monitor the spread of Emerald Ash Borer in botanic gardens in eastern European countries. We would be most grateful if you could survey the *Fraxinus spp*. in your collection using this survey form. As Ash Dieback symptoms are similar to the damage caused by Emerald Ash Borer the survey form also includes a section on Ash Dieback. Please use one form per tree and refer to the accompanying posters for further pest/disease identification help.

Survey Details			
Name of Botanic Garden / Arboretum:			
Country:			
Address:			
Survey carried out by:			
Date of survey:			
Best description of season:			

Tree Details					
Species (cultivar)					
Accession number:					
GPS					
Country/region species is native to:	:				
Age (years):					
General Description	on of He	alth			
Generally healthy			Some damage		
Dying			Dead		
Any recent changes in health or ove	rall look:				



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Symptom observed? If possible please rate the severity of the symptoms from 1-6; 1= No visible symptoms and 6= severe symptoms	Symptoms Check Ash Dieback	Symptom observed? If possible please rate the severity of the symptoms from 1-6; 1= No visible symptoms and 6= severe symptoms
	Symptom 1: Canopy thinning and crown dieback. This is a general indicator of poor tree health.	
	Symptom 2: Epicormic sprouting. This is a general indicator of tree stress.	
	Symptom 3: Shrivelled blackened shoots and leaf blotches (often at the leaf base and midrib).	
	Symptom 4: Diamond shaped lesions on stems (at the point of side branch insertion).	
	Symptom 5: Small (1 mm) off-white/cream fruiting bodies on dead fallen leaf stalk in leaf litter.	
	Do you think this tree is infected with Ash Dieback?	
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