



## JAPANESE BEETLE

**The threat :** The Japanese beetle (*Popillia japonica*) is a beetle native to Japan. It was introduced in North America in 1911, where it spread and became invasive in most eastern states as well as Canada. In 2014 it was found in Italy and in 2017 in Switzerland. Adult beetles are known as defoliators, but they can also feed on fruits, affecting many crops, fruit trees, ornamental plants and environmentally important species. The larvae live and develop underground feeding on plant roots and are regarded as serious pests of lawns and turf. They can disperse as larvae or adults through plant trade and adults can also hitchhike on non-host commodities or vehicles.

The IPSN is therefore conducting a survey to monitor the spread of Japanese beetle in botanic gardens in European countries. We would be most grateful if you could survey key host species (i.e. *Fagus*, *Malus*, *Prunus*, *Quercus*, *Rosa*...) in your collection using this survey form. Please use one form per tree and refer to the accompanying poster for further details and identification help.

Survey Details			
Name of Botanic Garden / Arboretum:			
Country:			
Address:			
Survey carried out by:			
Date of survey:			
Best description of season:			
Plant Details			
Species (cultivar)			
Accession number:			
GPS			
Country/region species is native to:			
Age (years):			
General Description of Health			
Generally healthy	<input checked="" type="checkbox"/>	Some damage	<input checked="" type="checkbox"/>
Dying	<input checked="" type="checkbox"/>	Dead	<input checked="" type="checkbox"/>
Any recent changes in health or overall look:			



**IPSN**

International Plant  
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<b>Symptoms Check</b>	<b>Symptom observed?</b> If possible please rate the severity of the symptoms from 1-6; 1= No visible symptoms and 6= severe symptoms
<b>Symptom 1:</b> Leaves showing skeletisation (foliage left with only a vein skeleton).	
<b>Symptom 2:</b> Brown foliage leading to defoliation.	
<b>Symptom 3:</b> Damaged flowers and fruits.	
<b>Symptom 4:</b> Beetles present on foliage in groups. Oval shape, 8-11mm long, metallic green thorax and head and brown wing cases.	
<b>Symptom 5:</b> Damaged roots presenting C-shaped larvae with well developed legs and head capsule.	
<b>Do you think this tree is infested with Japanese beetle?</b>	Yes/No