

## What should you do if you find Japanese knotweed?

### *Prevent further spread*

If you do find Japanese knotweed on your property, the most important thing that you can do is prevent any further spread of the species. Do not trim, cut, flail or chip the plants as tiny fragments can regenerate new plants and make the problem even more difficult to manage. It is also advised not to dig, move or dump soil which may contain plant material as this may contribute to its spread.

### *Eradication*

Japanese knotweed can be controlled successfully through the application of appropriate herbicides by a competent person. However eradication of this plant requires planning, as follow up treatments are usually required, and consideration needs to be given to management and disposal of dead plant material, and to the treatment of contaminated soils. It is advised to prepare a management plan, and to get expert help before tackling any significant infestation of this species.



## Help us in the fight against invasive species!

Further information regarding best practise techniques for the control and management of Japanese knotweed can be found on the Invasive Species Ireland website at [www.invasivespeciesireland.com](http://www.invasivespeciesireland.com)

To record sightings and records of Japanese knotweed or any other invasive alien species, log on to the National Biodiversity Data Centre at [www.biodiversityireland.ie](http://www.biodiversityireland.ie)

### **The Law**

Regulations 49 and 50 of the European Communities (Birds and Natural Habitats) Regulations 2011 make it an offence to

- plant, disperse, allow dispersal or cause the spread of Japanese knotweed.
- keep the plant in possession for purpose of sale, breeding, reproduction, propagation, distribution, introduction or release.
- keep anything from which the plant can be reproduced or propagated from without a granted licence.
- keep any vector material, in this case soil or spoil taken from Japanese knotweed, for the purposes of breeding, distribution, introduction or release



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Comhairle Contae Chorcaí

Prepared by Cork County Council Heritage Unit as an action of the Cork County Biodiversity Action Plan, 2012. Thanks to John Kelly of Invasive Species Ireland, and to Collette O'Flynn of the National Biodiversity Data Centre for their assistance with this leaflet.

This leaflet can be downloaded from [www.corkcoco.ie/heritage](http://www.corkcoco.ie/heritage)

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## Control and Management of Invasive Plant Species

# Japanese Knotweed



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## Invasive Alien Species

Invasive alien species are animals and plants that are introduced accidentally or deliberately into the wild where they are not normally found, and which have adverse impacts on the environment, usually by out competing native species for natural resources. Invasive species can have significant impacts on conservation and economic interests and may in some cases pose threats, directly or indirectly, to human safety. Reversing the damage of invasive species is a significant land management issue for public authorities as well as for private landowners and can be a costly and labour intensive exercise.

## Japanese knotweed

*Fallopia japonica* - *Gliúneach bhiorach*

One of the most problematic invasive alien species is Japanese knotweed. This is an increasingly common sight on waste ground, the fringes of our waterways and roads and in our wetland habitats. It is now classified as one of the top 100 worst invasive species worldwide because of its serious impact on biological diversity, impact on human activity and its capacity to invade new environments. It is widely distributed across Ireland and is now a major management concern for public authorities.

## How do you recognise it?

The stem structures are distinctive with a green hollow bamboo like appearance and dotted with dark blue-purple speckles. Leaves are oval with a pointed tip, and have a distinctive zig-zag growth pattern on the stem.

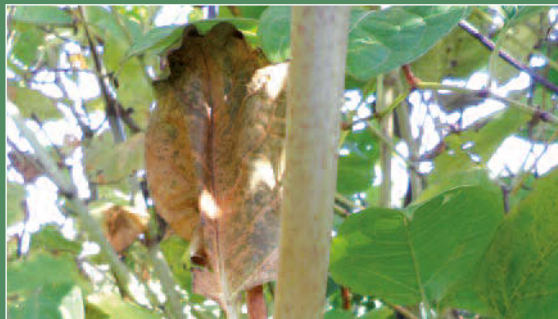
The off-white coloured flowers are small and clustered and hang from the joint of the stem and the leaf. They flower from August to October. The roots are tough, thick and wood like in their appearance. If snapped they show a bright orange colour inside and have a consistency similar to that of a carrot. New rhizome growth is white in appearance and can be delicate. These root structures can extend up to 7 m in a lateral direction (but usually only up to 5 m), and 2m deep from the over ground parent plant.



*Japanese knotweed in flower*



*Zig-zag growth pattern of stem*



*Mottled stem colouration wintertime*



*Japanese knotweed colonising road side*

During the winter season the stems become an orange-brown colour which may stay in place for a number of years. The new growth during spring is indicated by shoots of a red-purple colour with rolled back leaves, growing rapidly along the length of the roots.

## How did it get here?

Japanese knotweed is native to Japan, China, and parts of Korea and Taiwan. It was introduced to Europe as an ornamental plant in the 19th century. It quickly established wild populations and is now one of Ireland's most unwanted invasive species posing a huge environmental and economic threat.

## Where do you find it?

Japanese knotweed is now very common and widely distributed across a variety of habitat types in Ireland. It is most prominent on roadsides, waste ground and in wetland habitats where it out competes native species and forms dense thickets. It is now very well established along river banks, roadsides and on waste ground throughout the county.

## Why should you be concerned?

- Japanese knotweed readily establishes population along roadsides, railways, riverbanks and hedgerows proving to be a driving hazard by blocking sightlines and damaging road surfaces.
- The plant can grow through concrete and tarmac causing dangerous and expensive structural damage. Its persistence means its impact is often felt long-term.
- By establishing itself on riverbanks the plant can affect flood defence structures and increase flood risks.
- Given its vigorous growth rates, it can quickly form tall thickets shading out the areas immediately below it, leading to a loss of native plants.
- Eradication of Japanese Knotweed can be difficult and costly. The removal of this species from the Olympic Village site in London cost an estimated £88m.