

# Stem Injection Systems (Europe)

State of the art technology for the treatment and management of Japanese Knotweed and invasive, non-native plants.



## **Tackling a Growing Problem**

Invasive non-native plants such as Japanese Knotweed, Giant Hogweed, Canada Thistle and Himalayan Balsam continue to affect a growing number of commercial developments and amenity areas throughout the UK.

The stem injection process developed in the United States is a revolutionary new way to eradicate this problem quickly and cost-effectively and Stem Injection Systems (Europe) has been awarded preferred supplier status with distribution rights for the new system throughout the UK and Europe.

Since its introduction into the UK, Stem Injection Systems has already built up an enviable and growing list of customers, all of which are happy to endorse the effectiveness of the treatment method. Drawn from both the public and private sectors they include local authorities, developers, housebuilders, landscapers, groundsmen and golf courses.

Due to its ecologically-friendly process the stem injection method has also received a favourable response from the Environment Agency.

## **The Stem Injection Process**

This latest technology brings a completely new approach to tackling the environmental menace of plants such as Japanese Knotweed. It has been evolved over the last 8 years in the United States and is now fully proven and endorsed by major herbicide manufacturers and government bodies.

The stem injection system works by injecting a measured dose of concentrate herbicide into the centre of the plant's hollow cane. The weed will absorb the concentrate into its rhizome (root) at a much faster rate than with folia spraying, providing a quicker resolution to the knotweed problem.

The method can be performed in all weather conditions with the same exceptional results and because it targets only the plants injected there is no risk to the surrounding environment of spray drift, run-off or water contamination. Treatment times mean that the stem injection process can be effective in as little as 2 – 3 weeks and dependent on soil conditions and the age of the infestation, eradication can be easily achieved within one growing season.

With training, the system is extremely easy to use by anyone qualified in the use of herbicides and it can reduce treatment times over conventional folia spraying by up to five times.

## Environmental Legislation Compliance

As the scale of invasive non-native plant growth increases, commercial developers and landowners face increasingly stringent legislation and pressure from government and environmentalists. The stem injection system is fully compliant with all legislation including standard Control of Substances Hazardous to Health (COSHH) regulations.

### Wildlife and Countryside Act 1981

Under this Act the law states that it is the legal responsibility of landowners and developers to ensure that Japanese Knotweed is safely eradicated from contaminated land. Failure to do so in a controlled manner and by a competent specialist may result in prosecution.

### Environmental Protection Act 1990

Japanese Knotweed is classified as a 'controlled waste' and as such is required to be treated under the 'duty of care' requirements stipulated under this 1990 Act. This states that 'controlled waste should be disposed of by qualified contractors within licensed disposal sites'.

Always comply with herbicide manufactures guidelines



Infestation at Timperley site



Stem injection process at work

For further information on how to buy a stem injection system and source the accompanying training required please contact: **0845 643 1162**

[sales@steminjectionsystems.com](mailto:sales@steminjectionsystems.com)

## How to identify Japanese Knotweed

### April through June

Growth begins with new shoots from the base of the plants which are reddish in colour. Given the correct conditions, the plant can at this stage grow up to 30cm in one day.

### July through September

Full growth is achieved with some stems reaching heights of 3 metres. Stems are bamboo like, hollow and up to 5cm in diameter. Leaves are green with red veins and 10-15 cm in width. The plant will develop a white flower in late summer.

The stem injection system is effective throughout the growing season when the canes are of sufficient width to inject into.

### October through March

The plant dies back during the winter months with brown, brittle hollow stems.

### Rhizome

The root of the plant this is orange in colour and has a carrot-like resemblance. A piece of rhizome smaller than a fingernail is enough to create a large infestation if left untreated.

### Actions to take

- Seal off the area of contamination
- Prevent the spread of contamination
- Contact us

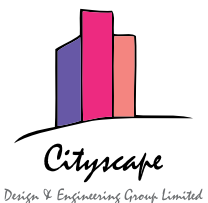
### Stem Injection Systems (Europe) Ltd

Houldsworth Business Centre, Houldsworth Mill,  
Reddish, Stockport SK5 6DA

t: 0845 643 1162

[www.steminjectionsystems.com](http://www.steminjectionsystems.com)

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**Japanese Knotweed Control**  
**Stem Injection Systems**