



Certificated Technician for the identification and
control of Japanese Knotweed

Syllabus (v2)

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Module 1 of 1

Control of Japanese Knotweed

This module covers the general information and technique, the knowledge of which is required to carry out Japanese Knotweed control activities effectively and safely.

1 Invasive species, general information and impacts

- 1.1 Main ecological and economic impacts of invasive plant species

2 Legislation

- 2.1 Most important legislation relating to the control, herbicide treatment and disposal of invasive plants in the region where control action is taking place
- 2.2 Identify how the legislation impacts on technicians and clients

3 Japanese Knotweed, ecology, impacts and identification

- 3.1 Key aspects of the biology and ecology of Japanese Knotweed that drive and constrain its spread
- 3.2 Impacts and risks associated with Japanese Knotweed in the natural and built environment
- 3.3 Positive impacts of Japanese Knotweed
- 3.4 Japanese Knotweed identification at all stages of its development, including rhizome
- 3.5 Identification of other Non-native Knotweeds (including hybrids) and Russian Vine
- 3.6 Identification of native species that are frequently mistaken for Japanese Knotweed

4 Controlling Japanese Knotweed

- 4.1 Control methods that have a proven effectiveness for the control of Japanese Knotweed
- 4.2 Advantages and disadvantages associated with different control methods
- 4.3 Herbicides that have been shown to be effective on Japanese Knotweed
- 4.4 Optimal plant condition and timing relating to the use of herbicides
- 4.5 Stockpiles (bunds) to control Japanese Knotweed
- 4.6 Screening (sifting or tromelling) to control Japanese Knotweed

- 4.7 Rhizome fragmentation and cultivation
- 4.8 Onsite burial of Japanese Knotweed material
- 4.9 Offsite disposal of Japanese Knotweed material
- 4.10 Root barriers (geotextiles) in the context of controlling Japanese Knotweed
- 4.11 Japanese Knotweed winter cane removal
- 4.12 Vegetation clearance relating to Japanese Knotweed
- 4.13 Site features that could constrain treatment/control of Japanese Knotweed
- 4.14 Biological control of Japanese Knotweed

5 Herbicide use

- 5.1 Main categories of herbicides (e.g. persistent, selective, systemic, etc.) shown to be effective on Japanese Knotweed
- 5.2 Optimal condition of Japanese Knotweed and timing of treatment when using herbicides
- 5.3 Distance from water bodies within which herbicide treatment is restricted
- 5.4 Different herbicide application methods (e.g. foliar application, stem injection, etc)
- 5.5 Appropriate use of different herbicide application methods

6 Waste Management

- 6.1 Precautions that must be taken when storing and/or disposing of cleared vegetation that may contain invasive plant material
- 6.2 Incinerating Japanese Knotweed material
- 6.3 Benefits of and the constraints relating to onsite burial of Japanese Knotweed material
- 6.4 Depth requirements and precautions related in creating a void for burial of Japanese Knotweed
- 6.5 Identify the specific requirements for landfill disposal of Japanese Knotweed infested soil
- 6.6 Precautions that must be taken when transporting waste contaminated with Japanese Knotweed material to a licensed waste disposal facility
- 6.7 Required paperwork and records relating to waste containing Japanese Knotweed that is being disposed of offsite

7 Biosecurity

- 7.1 Primary vectors that facilitate the spread of invasive species offsite, onto a site, and around a site
- 7.2 Identify control methods that can be undertaken to prevent/reduce the spread of invasive species offsite, onto a site and around a site.

8 Other Invasive plant species of which to be aware

- 8.1 Key non-native invasive species (e.g. Giant Hogweed and Himalayan Balsam)
- 8.2 Appropriate action to take if you identify, or if you are made aware of, another listed invasive plant on the site

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