## **NETS Eradication Workshop 2024**

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Workshop Structure Outline (3 hours)
Introduction – Paul
Definition of eradication
Difficulty of eradication (high level)
Important aspects of plant biology and ecology (covered more fully later in the workshop)
Reproductive biology
Plant structure
Dispersal - pathway analysis
Habitat requirements
Weed potential - risk assessment
Introduction to activity - Heidi
Example of discussion
One species
Why are you having a problem?
Successes or failures (or both)
Small group activity Sort groups based either on employer or on problem species - Trevor
One plant per region/group
Small group feedback (3-5 minutes)
Agent responsible for persistence – what do we know – what do you need to know! Seed Bank – <b>Trevor</b> Seed longevity and viability (my broadleaf and grass studies to set the scene) Seed coat (hard vs soft, black vs light) Seed size (large vs small) Soil type (sand vs clay) Burial depth (shallow vs deep) Exudates (root exudates to protect istself from overcrowding)
Underground vegetative biomass (roots) – <b>Paul</b>
Type of roots
Rhizomes
Tuber, corms and bulbs
Growing points and nodes
Longevity of roots
Exhausting the resource
Plant structure - Heidi
Woody plants
Annuals
Other

Environmental, agricultural (primary production) and aquatic weeds - all 3

## Abstract

One of the critical factors for effective biosecurity is the ability to eradicate. For plant species this can be very difficult due to dormant (seeds) or semi-dormant (roots, corms and tubers) phases in their life cycle. This workshop presents current knowledge and challenges participants to re-evaluate 'Best Practice Procedures' in the light of current understanding of some of New Zealand's most pernicious weeds.