



RIGHT TREES IN THE RIGHT PLACES

Healthy forests begin with the right seeds planted in the right places.

Criteria to consider:

Native Species Diversity

Local Land Use Objectives

Site Conditions

Changing Climate

Building resilient forests that have:

Enhanced genetic diversity to withstand climate change.

Greater survival and growth, with more carbon sequestered.

Higher functional diversity to yield more ecosystem services.

WHAT IS D4R?



Diversity For Restoration (D4R) is a decision-support tool that helps users select the right trees and seeds for the right places.

WHY USE D4R?

The tool simplifies the tree selection process by providing data-driven recommendations tailored to specific sites and help make informed decisions that align with both ecological and community needs.

How to use D4R?

Selecting the Site

Choose the area to restore on the map.

STEP 1

Enter Site Information

Enter details about the site, restoration objectives, number of species to plant, preferred climate scenarios, and whether to prioritise native species.

Access the Results

The tool provides a downloadable report with recommended tree species and combinations, recommended seed zones for local climate, and suggested monitoring indicators to help track restoration progress.

STEP 3

Receive Tree Recommendations

The tool generates a list of tree species based on their site suitability and ability to meet the restoration objectives.

STEP 2

WHAT IS MyFarmTrees?



MyFarmTrees (MFT) is an app suite made up of the MFT Collector, MFT Nursery and MyGeoFarm apps, that track tree seeds from collection to planting, ensuring end-to-end transparency, quality control, and communication between supply chain actors.

WHY USE MyFarmTrees?

- **Seed collectors:** Document and share information about seed origin and quality.
- **Restoration actors:** Access to available seed supply and document tree planting efforts, verify the authenticity and traceability of seeds used in projects, with blockchain-enabled technology for secure data management.
- **Funders:** Trace the success of restoration efforts from seed collection to tree planting.



MyFarmTrees Collector: Seed Collection App

- Tracks and records the collection of high-quality seeds for restoration.
- Provides tools for mapping and verifying seed sources.
- Allows documenting and sharing of seed origin to help ensure suitability to environmental conditions on planting sites.



MyFarmTrees: Nursery Management App

- Tracks seed germination, growth progress, and seedling health.
- Provides task reminders for watering, transplanting, and maintenance.
- Enables nursery managers to maintain records of available seedlings and their readiness for planting.



MyGeoFarm: Tree Planting & Monitoring App

- Monitors planted trees survival rates, growth data, and environmental conditions.
- Uses GPS-based tracking to verify planting locations.
- Generates reports on tree health and site conditions.

How They Work Together

These three apps create a seamless digital chain from seed collection to nursery management to tree planting and monitoring. This ensures restoration teams communicate about seed availability and quality, make informed decisions for better restoration outcomes, and document their efforts.