



# Machinery Owner/Operators

## Help protect kauri

### You can help by

- Have a Earthworks Risk Management Plan
- Cleaning machinery at a depot or yard and transporting to site clean
- Document hygiene practices and planning processes
- Incorporate a management plan for preventing pathogen and disease spread.
- Know the location of kauri forests in your area.
- Ensure operators and staff know procedures.

### Machinery biosecurity hygiene

- **Remove all dirt** - from tyres and wheels or tracks, mud guards, bucket and other attachments and underside and body and panels.
- **Wash, Check and Spray** - wash dirt off, check all parts are dirt free and spray tyres with disinfectant.
- **Arrive Clean and Leave Clean** - for any off roading activity involving all types of off-road vehicles.

Report sick looking kauri trees to Northland Regional Council

[protectkauri@nrc.govt.nz](mailto:protectkauri@nrc.govt.nz)

[www.nrc.govt.nz/kauriprotection](http://www.nrc.govt.nz/kauriprotection)

Go to [www.kauriprotection.co.nz](http://www.kauriprotection.co.nz) for more info..

## What do PA (Phytophthora Agathidicida) Infected Kauri Look Like?

Infected trees show a range of symptoms including yellowing of foliage, loss of leaves, canopy thinning, branch dieback and orange/yellow coloured gum from lesions around the base of the tree. These symptoms increase as the tree progresses towards death.



Canopy loss, thinning, branch dieback and tree death



Change in colour of foliage to yellow or red-brown



Bleeds which start from the base and move up the tree



### WASH

Your vehicle to remove dirt

Use air compressor and steam cleaning to blast dirt off including hard to reach places



### CHECK

Your vehicle is dirt free

Thoroughly check over your vehicle to ensure all parts mentioned above are free of dirt.



### SPRAY

Your tyres with disinfectant

Spray disinfectant mixture of 70% Methylated spirits and 30% water on tyres and mud guards.