# PLANT ME INSTEAD!





# SOUTHLAND

### Acknowledgements

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While all non-native alternatives have been screened against several databases to ensure they are not considered weedy, predicting future behaviour is not an exact science! The only way to be 100% sure is to use ecosourced native species.

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### Get rid of a weed, plant me instead!

Many of the weedy species that are invading and damaging our natural areas are ornamental plants that have 'jumped the fence' from gardens and gone wild. It costs councils, government departments and private landowners millions of dollars, and volunteers and community groups thousands of unpaid hours, to control these weeds every year.

This *Plant Me Instead* booklet profiles the environmental weeds of greatest concern to those in your region who work and volunteer in local parks and reserves, national parks, bush remnants, wetlands and coastal areas. Suggestions are given for locally-sold non-weedy species, both native and non-native, that can be used to replace these weeds in your garden.

We hope that this booklet gives you some ideas on what you can do in your own backyard to help protect New Zealand's precious environment.

For more information on these weeds, including control and disposal, check out:

#### www.weedbusters.org.nz



### Know what's weedy

Groundcovers and fillers	1
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Look for the kiwi – NZ's iconic bird – it is used to mark native alternatives.

### X

#### Mexican daisy (Erigeron karvinskianus)



Vigorous groundcover with small green leaves and pink to white flowers almost all year round. Seeds prolifically, and can form dense smothering mats in natural areas, crowding out native plants.

### **PLANT ME INSTEAD...**

#### Hell's bells (Anaphalioides bellidioides)



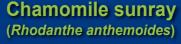


1)

Also consider: Rauhuia (*Linum monogynum*) *Pimelea 'Silver Ghost'* 

Groundcovers

and fillers







Also consider: *Campanula* species *Primula* species



#### Aluminium plant (Galeobdolon luteum)



Vigorous perennial groundcover with yellow flowers, hairy purplish stems, and leaves with silvery-white patches. Mainly spreads by fragments, and can quickly form thick, invasive, smothering mats that prevent native plants establishing.

### **PLANT ME INSTEAD...**





Also consider: Mouku (Asplenium bulbiferum) Parahebe linifolia





Groundcovers 2 and fillers



#### Gunnera (Gunnera tinctoria)



Perennial with large, rough, rhubarblike leaves up to 2 metres across on prickly stems. Cone-shaped flowerheads produce small, birdspread seeds. Invades coastal cliffs, stream margins, wetlands, and slip faces, with the large leaves shading out native plants.

### **PLANT ME INSTEAD...**



Also consider: Chatham Is. forget-me-not (*Myosotidium hortensia*) Harakeke (*Phormium tenax*)

#### Chinese rhubarb (Rheum palmatum)





Also consider: Orange ligularia (*Ligularia dentata*) *Hosta* species



Groundcovers and fillers



### Stinking iris (Iris foetidissima)



Clump-forming perennial up to 80 centimetres tall with a thick, red-brown root system. Broad, leathery, sword-shaped, dark green leaves are foul-smelling when crushed. Stems of dull yellow flowers are followed by green, three-sided seed capsules that split open to release many round, red, bird-spread seeds. Tolerates deep shade. Crowds out native seedlings.

# **PLANT ME INSTEAD...**



**Turf lily** (Liriope muscari)



Also consider: Orange ligularia (*Ligularia dentata*) *Hosta* species



Also consider: Mikoikoi (*Libertia peregrinans*) *Phormium* cultivars

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Groundcovers

and fillers

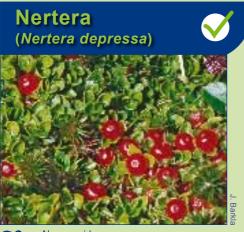


#### African clubmoss (Selaginella kraussiana)



5)

**PLANT ME INSTEAD...** 



Also consider: Panakenake (Pratia angulata) Piripiri (Acaena microphylla)



Creeping, fernlike groundcover with slender stems and tiny leaves. Produces millions of tiny spores and grows from fragments. Forms dense mats in shady areas that crowd out native seedlings and replace lowgrowing native plants, such as mosses and ferns.

#### Speedwell (Veronica prostrata)





Also consider: Ajuga 'Black Scallops' Campanula 'Resholdts'

#### **Tradescantia** (*Tradescantia fluminensis*)



Succulent, creeping, dark green perennial groundcover. White threepetalled triangular flowers do not produce seed, but fragments of stem take root. Forms dense mats that smother native plants and prevent native seedlings establishing. Can cause contact dermatitis in dogs.

### **PLANT ME INSTEAD...**





Also consider: Panakenake (Pratia angulata) Leptinella 'mediana'

#### Winter rose (Helleborus orientalis)



Groundcovers

and fillers

6

#### Periwinkle (Vinca major)



Perennial evergreen groundcover with oval, waxy leaves and mauve-blue flowers. Stems root when they come in contact with the soil, forming very dense carpet-like mats that smother native plants and prevent native seedlings establishing.

### **PLANT ME INSTEAD...**







1)

Also consider: *Gunnera prorepens* Powhiwhi (*Calystegia tuguriorum*)

Groundcovers

and fillers







Also consider: Ajuga 'Black Scallops' Campanula 'Resholdts'



#### **Onion weed (Allium triquetrum)**



Garlic-smelling perennial with fleshy, grass-like leaves and bulbous root system. Drooping white bell-shaped flowers are found in groups of three to fifteen. Forms large, thick patches that prevent native species establishing.

### **PLANT ME INSTEAD...**



Also consider: Turutu (Dianella nigra) Maori onion (Bulbinella angustifolia)



Also consider: Snowdrop (Galanthus nivalis) Mondo grass (Ophiopogon planiscapus)

Grasses, bulbs and ferns



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#### Pampas (Cortaderia selloana & C. jubata)



Large, perennial, clump-forming grass to 5 metres tall with large, fluffy, upright flowers and narrow, sharp-edged leaves. Flowers of *Cortaderia selloana* are white, while those of *Cortaderia jubata* have a purple tinge. Invades natural areas, suppressing native plants, harbouring animal pests, and creating a fire risk.

### **PLANT ME INSTEAD...**









Also consider: Red tussock (Chionochloa rubra)

Grasses, bulbs and ferns

#### Montbretia (Crocosmia x crocosmiiflora)



Evergreen or summer-green clumpforming perennial with bright green, sword-shaped leaves. Orangered flowers are followed by seed capsules, and it also spreads by underground corms. Invades natural areas, crowding out native species, and the masses of spreading corms in the soil can contribute to erosion, siltation, and the breakdown of stream banks.

### **PLANT ME INSTEAD...**



Also consider: Turutu (*Dianella nigra*) Wharariki (*Phormium cookianum*)



Also consider: Crown Imperial (*Fritillaria imperialis*) Winter rose (*Helleborus orientalis*)

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 $\mathbf{1}$ 

Grasses,

hulbs and ferns

X

#### Bomarea (Bomarea caldasii & B. multiflora)



Multi-stemmed vine that twines around any available support. Stems arise from short, underground rhizomes with numerous tubers. Flowers are clumped in dense, pendulous bunches of 15-20, and are reddish on the outside and yellow with red spots on the inside. They are followed by capsules that split open to reveal fleshy, bright orange seeds. Forms large masses that smother supporting vegetation and prevent native seedlings establishing.

### **PLANT ME INSTEAD...**

### Puawananga (Clematis paniculata)



Also consider: Yellow clematis (*Clematis foetida*) *Clematis marata* 

Climbers

and vines

11)

#### Yellow jessamine (Gelsemium sempervirens)



Also consider: Chilean bellflower (*Lapageria rosea*) Trumpet creeper (*Campsis radicans*) vww.ctgphoto.com



### Greater bindweed (Calystegia silvatica)

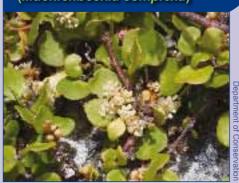


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Robust, sprawling, climbing perennial to 4 metres with large triangular or arrow-shaped leaves, and large, white, trumpet-shaped flowers. Stems usually die down in winter, but an extensive underground rhizome system makes this weed difficult to control. Invades and smothers native species in natural areas.

# **PLANT ME INSTEAD...**

#### Pohuehue (Muehlenbeckia com<u>plexa)</u>



Also consider: Powhiwhi (*Calystegia tuguriorum*) Rauparaha (*Calystegia soldanella*)

#### Morning glory (Convolvulus cneorum)



Climbers

and vines

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Also consider: Lady Banks Rose (*Rosa banksiae*)

#### Old man's beard (Clematis vitalba)



Perennial, woody, deciduous climber with five leaflets (compared to the native clematis that has three leaflets). Small white flowers from December to March are followed by silky balls of seed. Serious threat to native bush, overtopping it and forming a thick blanket that kills native plants and trees.

### **PLANT ME INSTEAD...**



Also consider: Puawananga (*Clematis paniculata*) Native jasmine (*Parsonsia capsularis*)

Climbers

and vines

**13**)

#### Evergreen clematis (Clematis armandii)



Also consider: Clematis spooneri Japanese wisteria (Wisteria floribunda)

### 🗡 Common ivy (Hedera helix)



Vigorous, evergreen, creeping vine that can climb to 30 metres. Inconspicuous flowers are followed by fleshy black bird-spread fruit. Stems or fragments touching the ground can also take root. Completely carpets the forest floor, and can climb to the tops of trees, clinging with small aerial roots. Smothers native species and prevents native seedlings establishing.

### **PLANT ME INSTEAD...**



Also consider:
Scarlet rata (Metrosideros fulgens)
White rata (Metrosideros diffusa)

#### Climbing hydrangea (Hydrangea petiolaris)



Also consider: Yellow jessamine (*Gelsemium sempervirens*)





#### Jasmine (Jasminum polyanthum)



Vigorous evergreen climber growing to 10 metres. Clusters of highly scented, pinkish-white flowers are sometimes followed by black, bird-spread berries. Mainly spreads by taking root where it touches the ground, forming a dense groundcover as well as smothering vegetation up to mid-canopy level. Capable of seriously damaging native forest. Yellow jasmine (Jasminum. humile) is also weedy.

### **PLANT ME INSTEAD...**



Also consider: Puawananga (Clematis paniculata) Native jasmine (Parsonsia capsularis) Star jasmine (Trachelospermum jasminoides) 💟





Also consider: Lonicera 'Winchester' Honeysuckle (Lonicera splendida)



and vines

#### Bittersweet (Solanum dulcamara)



Poisonous, scrambling perennial herb with woody stems and small drooping purple flowers, followed by bright scarlet, bird-spread berries. Invades damp, shady areas, smothering native species.

### **PLANT ME INSTEAD...**







Also consider: Climbing hydrangea (*Hydrangea petiolaris*) Yellow jessamine (*Gelsemium sempervirens*)

Climbers

and vines

**16** 



Also consider: Puawananga (*Clematis paniculata*) Puataua (*Clematis forsteri*)



#### Chilean flame creeper (Tropaeolum speciosum)





### **PLANT ME INSTEAD...**



Also consider: Native jasmine (*Parsonsia capularis*) Puawananga (*Clematis paniculata*)

#### Chilean bellflower (Lapageria rosea)



Also consider: Japanese wisteria (*Wisteria floribunda*) Trumpet creeper (*Campsis radicans*)



Climbers and vines

17)



#### Sycamore (Acer pseudoplatanus)



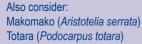
C.Howell, DOC

to invasion by other weed species. Long lived, and forms dense stands that crowd out native species.

Deciduous tree growing to 20 metres tall with smooth grey bark and distinctive wind-spread 'helicopter' seeds. Seedlings are shade tolerant, allowing it to invade and ultimately take over bush areas that would be resistant

### **PLANT ME INSTEAD...**







Also consider: Tulip tree (*Liriodendron tulipera*) *Acer 'Crimson King'* 



X

DOG

ridge.

#### Darwin's barberry (Berberis darwinii)



Spiny, evergreen, yellowwooded shrub growing to 5 metres tall. Deep orangeyellow flowers are followed by purplish-black berries that are spread long distances by birds. Invades natural areas, forming dense colonies that replace existing vegetation and prevent the establishment of native plants.

# **PLANT ME INSTEAD...**



Also consider: Karamu (Coprosma lucida) Common tree daisy (Olearia arborescens)

Shrubs

and trees

**B** 

Snowball tree (Viburnum opulus 'sterile')



Also consider: Abelia grandiflora 'Snow Shower' Styrax officianalis

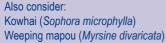
### 🔀 Silver birch (Betula pendula)



Deciduous small to medium tree with an open crown, distinctive fine drooping branches, and silver-white bark on stems that thickens and splits into narrow vertical furrows. Drooping cylindrical seed heads are made up of wind-spread seed. Forms a dense canopy in wetland areas, altering the growing conditions for low growing native species.

### **PLANT ME INSTEAD...**











#### Buddleia (Buddleia davidii)



Deciduous or semi-evergreen, manystemmed shrub growing to 4 metres tall. Dull green, lance-shaped leaves are often hairy. Spikes of fragrant blue to purple flowers are followed by numerous wind-spread seeds. Forms dense colonies, and is an invader of exotic forestry and natural areas.

## **PLANT ME INSTEAD...**



Also consider: Mountain holly (Olearia ilicifolia) Corokia (Corokia cotoneaster)

Shrubs

and trees

2

#### Lilac bush (Svringa vulgaris)





Also consider: Silk tassel bush (Garrya elliptica) Sagewood (Buddleia salvifolia)

#### 🔀 Cotoneaster (Cotoneaster franchetii)



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# **PLANT ME INSTEAD...**



Also consider: Corokia (Corokia cotoneaster) Pseudopanax species Spreading evergreen shrub growing to 4 metres tall, with blue-green leaves and bunches of glossy, bright red, bird-spread berries. Younger leaves have downy white undersides. Invades natural areas and forms dense stands that crowd out native species.





Also consider: Photinia 'Red Robin' Correa varieties





#### Hawthorn (Crataegus monogyna)



C lewis

# **PLANT ME INSTEAD...**



Also consider: Manatu (Plagianthus regius) Horoeka (Pseudopanax crassifolius)

**Shrubs** 

and trees

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Thorny deciduous shrub or small tree growing to 10 metres tall. White flowers are followed by red bird-spread berries. Widely planted in the past as a hedgerow. Forms dense thickets, blocking access and invading naturally open ecosystems, such as frost flats, and replacing native species along bush margins and in other natural areas.







#### X Green daphne (Daphne laureola)



Evergreen shrub to 1 metre tall with very tough, fibrous bark, pale green flowers, and black, bird-spread fruit. Often grows wild in shady places and has potential to invade bush understorey, crowding out native species.

### **PLANT ME INSTEAD...**



Also consider: Mountain holly (*Olearia ilicifolia*) Grey's groundsel (*Brachyglottis greyii*)



Shrubs and trees

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Also consider: Daphne bholua

X

#### Spanish heath (Erica Iusitanica)



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needle-like leaves. Masses of small. snowy-white flowers in winter are followed by very small, light, windspread seeds in smooth capsules. Prefers poor acid soils in low fertility areas, such as weak pasture and open disturbed habitat. Grows from near sea level to 1000 metres. crowding out native species.

Erect, brittle, woody perennial up to 2 metres tall, densely covered in small,

### **PLANT ME INSTEAD...**





Also consider: Makomako (Aristotelia serrata) Totara (Podocarpus totara)



Also consider: Bauera 'Plum Duff' Grevillea 'Bronze Rambler'



Shrubs

and trees

X

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#### European spindle tree (Evonymous europaeus)



Much branched deciduous tree growing to 6 metres tall, with stems that are square when young, and leaves that turn red in autumn. Small greenishyellow flowers are followed by deep pink, four-lobed capsules that open to expose an orange fruit around bird-spread seed. Invades natural areas, crowding out native species.

### **PLANT ME INSTEAD...**

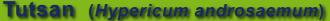






Also consider: Deutzia (*Deutzia gracilis*)

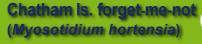






Poisonous, rapidly growing, medium to tall shrub with semi-woody stems and soft green leaves. Bright yellow flowers are followed by fleshy, red, bird-spread berries that ripen to black. Crowds out native species in bush understorey.

### **PLANT ME INSTEAD...**







Shrubs

and trees

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**Burkwood viburnu** (Viburnum x burkwoodii)





Also consider: Hypericum leschenaultii Vanhoutte spirea (Spirea x vanhouttei)





Holly (Ilex aquifolium)



Evergreen shrub or small tree to 12m tall with glossy, dark green leaves with deeply serrated edges, and red, birdspread berries on female plants. Shade tolerant, and invades disturbed forest where it out-competes native tree and shrub species.

### **PLANT ME INSTEAD...**



Also consider: Mountain holly (*Olearia ilicifolia*) Mahoe (*Melicytus lanceolatus*)



Also consider: Taique (*Desfontainia spinosa*)







#### Elderberry (Sambucus nigra)



Deciduous tree growing to 6 metres tall with smelly oval leaves. Masses of small white flowers in dense clusters are followed by shiny, black, birdspread berries. Invades natural areas, forming moderately dense stands that crowd out native species.

### **PLANT ME INSTEAD...**

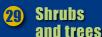


Also consider: Makomako (*Aristotelia serrata*) Totara (*Podocarpus totara*)





Also consider: Red-berried elder (*Sambucus racemosus*) Ulmo (*Eucryphia cordifolia*)





Rowan (Sorbus aucuparia)



# PLANT ME INSTEAD...



Also consider: Putaputaweta (*Carpodetus serratus*) Manatu (*Plagianthus regius*)



Deciduous tree growing to 8 metres tall with spreading branches and eight pairs of leaflets on each leaf. Clusters

of small white flowers appear with new leaves, followed by bright orange, bird-spread berries. Will grow in deep shade, invading beech forest and crowding out native

species.

Also consider: Liquidamber (*Liquidamber stryciflua*) Chinese mountain ash (*Sorbus hupehensis*)



# **POND & AQUARIUM ESCAPEES**

### Hornwort (Ceratophyllum demersum)



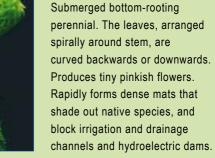


Submerged freshwater plant with finely divided leaves with toothed edges making them rough to the touch. New plants form from each piece of brittle stem. Rapidly invades still and flowing waters, crowding out native species, and blocking irrigation and drainage channels and hydroelectric dams.

### Lagarosiphon (Lagarosiphon major)







S Parrot's feather (Myriophyllum aquaticum)





Perennial freshwater plant with distinctive, feathery, blue-green leaves in whorls of five to six, each divided into 20-30 leaflets. Takes root at the bottom of waterways and forms dense sprawling mats that clog channels.

NIMA

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#### Ground covers and fillers

Mexican daisy	Erigeron karvinskianus	1
Aluminium plant	Galeobdolon luteum	2
Gunnera	Gunnera tinctoria	3
Stinking iris	Iris foetidissima	4
African clubmoss	Selaginella kraussiana	5
Tradescantia	Tradescantia fluminensis	6
Periwinkle	Vinca major	7

#### Groundcovers and fillers

Onion weed	Allium triquetrum	8
Pampas grass	Cortaderia selloana	9
Montbretia	Crocosmia x crocosmiiflora	10

#### Climbers and vines

Bomarea	B.caldasii, B. multiflora	11
Greater bindweed	Calystegia silvatica	12
Old man's beard	Clematis vitalba	13
lvy	Hedera helix	14
Jasmine	Jasminium polyanthum	15
Bittersweet	Solanum dulcamara	16
Chilean flame creeper	Tropaeolum speciosum	17

#### Shrubs and trees

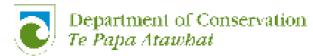
Sycamore	Acer pseudoplatanus	18
Darwin's barberry	Berberis darwinii	19
Birch	Betula pendula	20
Buddleia	Buddleia davidii	21
Cotoneaster	Cotoneaster franchetii	22
Hawthorn	Crataegus monogyna	23
Green daphne	Daphne laureola	24
Spanish heath	Erica lusitanica	25
European spindle tree	Euonymous europaeus	26
Tutsan	Hypericum androsaemum	27
Holly	llex aquifolium	28
Elderberry	Sambucus nigra	29
Rowan	Sorbus aucuparia	30

#### Aquatic weeds

Hornwort Lagarosiphon Parrot's feather

Ceratophyllum demersum	31
Lagarosiphon major	31
Myriophyllum aquaticum	31

#### Proudly supporting Weedbusters











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