



WEED CONTROL TECHNIQUES

- Remove by hand
- Cut stem and paint with herbicide
- Drill and Fill with herbicide
- Overspray or wick wipe with herbicide
- Dig out (by hand or with machinery)

CONTROL MEASURES

There are many different ways to control weeds that threaten your property. The examples provided in this brochure are a guide and have been selected for various plants depending on their efficiency in removing that particular weed. Weeds are however able to re-establish and infest areas quickly. All weed control programs should be undertaken over a five year period with annual monitoring into the future.

There are a number of important steps to be considered before any weed control program should take place. These considerations may be the difference between success or failure of a control program and are listed below:-

- Make sure you have correctly identified the weed you wish to remove.
- Establish why you would like to remove the weed and what you will replace the weed with in the long term.



Create a home for wildlife and grow native plants!

Replacement species should be native plants to encourage wildlife and long term environmental health.

- Decide which control method you wish to use.
- Identify non target species or native plants and plan how these will be avoided during the control program.
- Set monthly and yearly targets.

If using chemicals

- Determine if you have the skills, qualifications and equipment to undertake the work. If not, contact a weed contractor who will assist you with advice and procedures for removing the weed.
- Discuss with your chemical supplier the most appropriate chemical for your job.
- Always read the label on the container and use as recommended.
- Wear appropriate safety equipment as stated on the label, especially during mixing.
- Keep children and pets away from the treated areas for a number of days.
- If weeds are near public areas or boundaries, erect a notice for the public so they can avoid the area (especially for fruit bearing plants like Blackberries and Apples)
- Check the weather; if it rains just after you have sprayed your work may be lost. Be aware of the wind and possible spray drift that may effect nearby crops or other plants.



Agricultural and Environmental WEEDS of the Corangamite Shire

The **Corangamite Shire** is located in Southwest Victoria and incorporates highly productive agricultural land and natural assets that are appreciated around the world. Diverse native vegetation and agricultural enterprises sweep from the rugged coast lines in the south to the open basalt plains in the north.

A weed is classified as a plant that invades and threatens our native vegetation or primary production areas. The Corangamite Shire has a major weed problem. It will take effort from the entire community to halt the spread of weeds. Weeds have no boundaries and therefore it is everyone's responsibility regardless of land tenure. One uncontrolled weed has the potential to reduce agricultural income, reduce land values and destroy large areas of bushland and habitat for native animals.

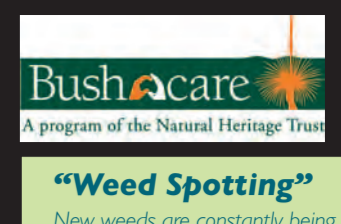


A combined community approach will assist the control and eventual eradication of weeds. This will improve local and regional productivity, enhance sustainable land-use, and increase local native vegetation and habitat.

This brochure identifies fifty of the most threatening weeds in the Corangamite Shire.

This list is only a small amount compared to the hundreds of species that are freely invading our natural environment and agricultural land.

Common Garden and Agricultural Plants that are Environmental Weeds



CLIMBERS AND CREEPERS



Blackberry *Rubus fruticosus* spp. agg.
Flowering Time: Early Summer
Seeding Time: Berries ripen in late Summer - early Autumn
Control Time: November - April



Blue Periwinkle *Vinca major*
Flowering Time: Spring
Vegetative reproduction only
Control Time: September - November



Bluebell Creeper *Sollya heterophylla*
Flowering Time: Spring - Summer
Seeding Time: Autumn - Winter
Control Time: August - February



Bridal Creeper *Myrsiphyllum asparagoides*
Flowering Time: Summer
Seeding Time: Autumn - Winter
Control Time: Seedlings March - May, Established July- Sept.



Cape Ivy *Delairea odorata*
Flowering Time: Early Spring
Seeding Time: Orange berries in Summer
Control Time: March - June



English Ivy *Hedera helix*
Flowering Time: Late Autumn - Winter
Seeding Time: Berries in Winter - Spring
Control Time: January - April



Nasturium *Tropaeolum majus* sp.
Flowering Time: September - April
Seeding Time: January - April
Control Time: September - January



Wandering Jew *Tradescantia albiflora*
Flowering Time: Summer
Seeding Time: Vegetatively reproduction only
Control Time: November - March

TREES



Apple Trees *Malus X domestica*
Flowering Time: Spring
Seeding Time: Summer
Control Time: Cut & paint September to March



African Boxthorn *Lycium ferocissimum*
Flowering Time: Only flowers in 2nd year of growth, usually Summer
Seeding Time: Throughout the year
Control Time: September - December, or cut and paint anytime



Cape Wattle *Paraserianthes lophantha* ssp. *lophantha*
Flowering Time: Winter
Seeding Time: Pods in Summer
Control Time: June - November or cut & paint anytime



Coast Wattle *Acacia longifolia* vr. *sophorae*
Flowering Time: Spring
Seeding Time: Pods in Summer
Control Time: August - October



Cootamundra Wattle *Acacia baileyana*
Flowering Time: Winter
Seeding Time: Pods in Spring - Summer
Control Time: April or cut and paint anytime



Cotoneasters *Cotoneaster* species
Flowering Time: Spring
Seeding Time: Red berries in late Summer - Autumn
Control Time: June - November or cut & paint anytime



Desert Ash *Fraxinus angustifolia*
Flowering Time: Spring
Seeding Time: Summer
Control Time: September - April



Poplars *Populus* spp.
Flowering Time: Spring
Seeding Time: Mainly vegetative
Control Time: September - March



Radiata Pine *Pinus radiata*
Flowering Time: Late Winter
Seeding Time: Cones can open at any time of year
Control Time: August - February, or cut and paint anytime



Sweet Pittosporum *Pittosporum undulatum*
Flowering Time: Spring
Seeding Time: Orange berries in Autumn - Winter
Control Time: July - September, or cut and paint anytime



Tree Lucerne *Cytisus palmensis*
Flowering Time: Spring
Seeding Time: Pods in Summer
Control Time: cut and paint anytime



Willows *Salix* species
Flowering Time: Spring
Seeding Time: Only *Salix cinerea* sets seed
Control Time: September - March

"Weed Spotting"

New weeds are constantly being identified throughout the Corangamite Shire. We need a combined effort to help identify infestations of both new and old weeds. If you find a plant that appears to be rapidly increasing in distribution or are unable to recognise what it is, don't hesitate. Identify the weed by collecting a sample and looking through reference books or by taking it to one of the "further information" contacts provided in this Brochure. Once identified determine if it is a weed and then apply the best control methods.

Control the weed and then monitor the site until no reinfestation occurs. Record the size of the infestation and how it was controlled.

This information can be retained for your records but also should be sent to DPI weed officers to form an important background on what has been found and which control methods have been undertaken.

FURTHER INFORMATION

Corangamite Shire
Manifold Street Camperdown 3260
Phone: (03) 5593 7100
www.corangamite.vic.gov.au

Powercor
Phone enquiries 132206
www.powercor.com.au

VicRoads
180 Fyans Street South Geelong 3220
Phone (03) 5225 2525
www.vicroads.vic.gov.au

South West Vermin and Weed Control
Derrinallum 3325
Phone Rob Millard on 0418 587 919

Department of Primary Industries

Phone 136 186
DPI Field Staff
Manifold Street Camperdown 3260
DPI Weed Staff
83 Gellibrand Street Colac 3250
www.dpi.vic.gov.au
search under "pest plants"

Corangamite Catchment Management Authority
64 Dennis Street Colac 3250
Phone (03) 5232 9100
www.ccm.vic.gov.au

Heytesbury District Landcare Network
Shop 1, 47 Main Street Timboon 3268
Phone: (03) 5598 3755
hdln@hotkey.net.au

The Lismore Land Protection Group
19 High Street Lismore 3324
Phone: (03) 5596 2395
landcare@lca-online.com.au

FURTHER READING

Bush Invaders of South-East Australia
Adam Muyt
Published by R.G. and F.J. Richardson Meredith Victoria (2001)

Noxious Weeds of Australia
(second edition)
W.T. Parsons and E.G. Cuthbertson
CSIRO Printing (2004)

Environmental Weeds
A field guide for SE Australia
Kate Blood
Blooming Books (2003)

ACKNOWLEDGMENTS

The Corangamite Shire would like to acknowledge and thank the following people:
Project Coordination: Lyall Bond and Corie Jenkins
Design and Production: See Australia Guides Pty Ltd
Concept: Shire of Yarra Ranges & Colac Otway Shire
Images: Lyall Bond, Louise Sheba, Vivien Freshwater and Friends of Sherbrooke Forest, Colac Otway Shire
Cartoons: John Allison
Botanical advice: Andrew McLennan, Chris Pitfield, Beccy McCann, Stephen Guy
and all sponsors that have made this information available to the community.

Common Garden and Agricultural Plants that are Environmental Weeds



GRASSES AND HERBS



Agapanthus *Agapanthus praecox* spp. *orientalis*
Flowering Time: Early Summer
Seeding Time: Late Summer - early Autumn
Control Time: June - August

Angled Onion *Allium triquetrum*
Flowering Time: Winter - Spring
Seeding Time: Late Spring - Summer
Control Time: July - November

Arum Lily *Zantedeschia aethiopica*
Flowering Time: Late Winter - early Spring
Seeding Time: Late Spring - early Summer
Control Time: August - December

Bulbil Watsonia *Watsonia meriana*
Flowering Time: Spring - Summer but doesn't flower until its 3rd year
Seeding Time: Summer - early Autumn also spreads from stem bulbs & underground corms
Control Time: August - October

Cape Tulip *Hopmeria flaccida*
Flowering Time: Late Spring - Summer
Seeding Time: Autumn and also bulbs
Control Time: September - March

Cape Weed *Arctotheca calendula*
Flowering Time: Late Spring - Early Summer
Seeding Time: Summer
Control Time: September - February

Fennel *Feeniculum vulgare*
Flowering Time: All year round but predominately in Spring
Seeding Time: Mostly Summer
Control Time: August - October



Freesia *Freesia alba* x *Freesia leichtlinii*
Flowering Time: December - January
Seeding Time: January - March
Control Time: Autumn - Winter

Gazania *Gazania linearis*, *Gazania rigens*
Flowering Time: Spring - Summer
Seeding Time: Late Spring - Summer
Control Time: All year

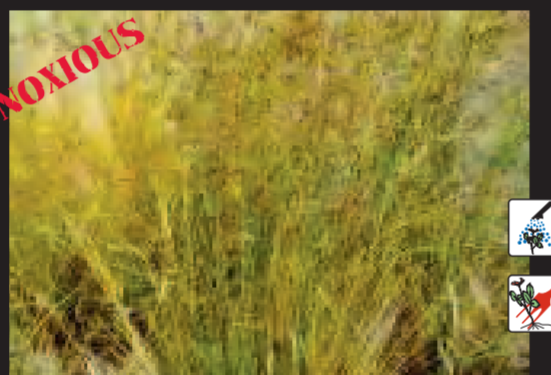
Kikuyu/Buffalo Grass *Pennisetum clandestinum*
Flowering Time: Rarely flowers except cultivated varieties in summer
reproduction by running shoots
Control Time: September - February

Montbretia *Crocosmia x crocosmiiflora*
Flowering Time: Spring - Summer
Seeding Time: Autumn. Also reproduces by bulbs
Control Time: August - September

Texas & Chilean Needle Grass introduced *Nassella* spp.
Flowering Time: Sept - Oct Seeding Time: Nov - Dec
Control Time: All year, mainly September - February

Ox-eye Daisy *Chrysanthemum leucanthemum*
Flowering Time: Late Spring - Summer
Seeding Time: Summer
Control Time: September - March

Pampas Grass *Cortaderia seloana*
Flowering Time: Autumn
Seeding Time: Winter - Spring
Control Time: September, March - April



Paterson's Curse *Echium plantagineum* L.
Flowering Time: Spring - early Summer
Seeding Time: Summer
Control Time: September - October or when actively growing

Phalaris *Phalaris aquatica*
Flowering Time: December - January
Seeding Time: January - March
Control Time: September - March

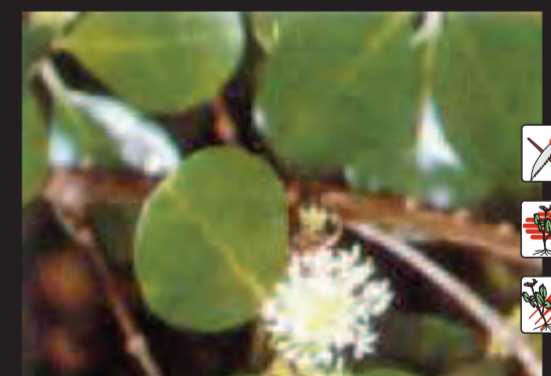
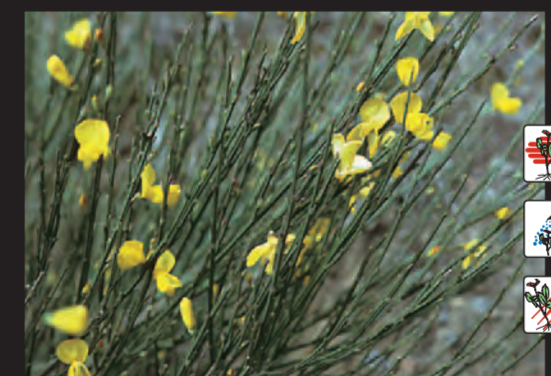
Serrated Tussock *Nassella trichotoma*
Flowering Time: Summer
Seeding Time: January - February
Control Time: September - March

Sparaxis *Sparaxis bulbifera*
Flowering Time: September - October
Seeding Time: November - January
Control Time: Autumn - Winter

Spear Thistle *Cirsium vulgare*
Flowering Time: Winter
Seeding Time: Spring
Control Time: Anytime plant is in active growth

Variegated Thistle *Silybum marianum*
Flowering Time: Late Spring - Early Summer. In wetter areas they can flower right through Summer into Winter
Seeding Time: Summer - Autumn
Control Time: Anytime the plant is actively growing

SHRUBS



Cape Broom *Genista monspessulana*
Flowering Time: Spring
Seeding Time: Pods in Summer
Control Time: June - November, or cut and paint anytime

English Broom *Cytisus spocarius*
Flowering Time: Spring
Seeding Time: Pods in Summer
Control Time: September - December or cut and paint anytime

Gorse *Ulex europaeus*
Flowering Time: Sporadic all year, but predominately in Spring
Seeding Time: Predominantly summer depending on flowering time
Control Time: August - March, or dig out and cut and paint anytime

Hawthorn *Crataegus monogyna*
Flowering Time: Summer - Spring
Seeding Time: Autumn - Winter
Control Time: April or cut and paint anytime

Hemlock *Conium maculatum*
Flowering Time: Spring
Seeding Time: After rain in Autumn - Spring
Control Time: May - October

Mirror Bush *Coprosma repens*
Flowering Time: Late Spring - early Summer
Seeding Time: Late Summer - early Autumn
Control Time: August - November



Ragwort (ADULT) *Senecio jacobaea*
Flowering Time: October - March but damaged plants may flower anytime
Seeding Time: Germination takes place in Autumn but may occur anytime if conditions are suitable
Control Time: March - November

Ragwort (YOUNG) *Senecio jacobaea*
Flowering Time: October - March but damaged plants may flower anytime
Seeding Time: Germination takes place in Autumn but may occur anytime if conditions are suitable
Control Time: March - November

Spanish Heath *Erica lusitana*
Flowering Time: Winter
Seeding Time: Winter - Spring
Control Time: All year

Sweet Briar *Rosa rubiginosa*
Flowering Time: Late Spring - early Summer
Seeding Time: Summer - early Autumn
Control Time: September - November, or cut and paint anytime

TREES AND POWERLINES

Powercor Australia is responsible for pruning and clearing trees outside urban areas on roadside reserves throughout the Shire where they are likely to interfere with powerlines.

Residents and/or Powercor Australia are responsible for ensuring trees on private properties do not come in contact with powerlines. If you have any queries regarding tree clearing responsibilities or safety issues, contact Powercor on 132 206.



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