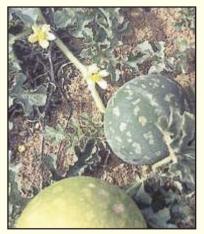
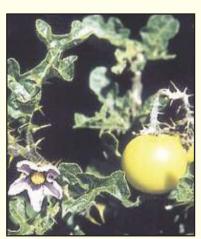
What is a Weed?

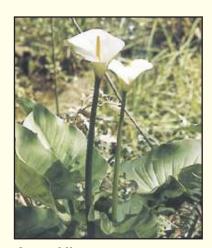
A weed is a plant growing in the wrong place often out of control. Many of the weeds in Western Australia have come from overseas or other states, where in their native conditions they do not usually pose a problem. However in a new environment, in the absence of natural predators, they can quickly become dominant. Weeds take over bushland, smothering and inhibiting native vegetation, impacting on habitat and food sources that are essential for native animals and bird species. If weeds and grasses are allowed to take over, there is the potential for fire risks, especially on roadside verges. They compete vigorously for available space, crowding out the native species, and in some cases can block waterways. On farm land they can poison stock, affect the usage of land, reduce pasture areas and interfere with hay quality. We need to get control of them!



Afghan Melon Photo by Rod Randall



Apple of Sodom Photo by DAFWA



Arum LilyPhoto by Dianne Hardwick



BlackberryPhoto by Dianne Hardwick



Blackberry Nightshade Photo by Rod Randall



BoneseedPhoto by DAFWA



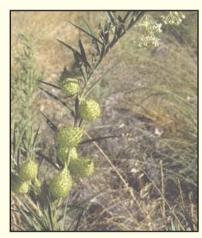
Bridal Creeper
Photo by Rod Randall



Cape Tulip
Photo by Robyn Knox



Castor Oil Bush Photo by of Joanna Seabrook



Cotton BushPhoto by Penny Hussey



DockPhoto by of Joanna Seabrook



Doublegee Photo by Rod Randall



Evening PrimrosePhoto by of Joanna Seabrook



LantanaPhoto by DAFWA



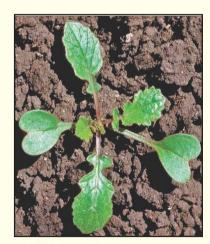
LovegrassPhoto by of Joanna Seabrook



Paterson's Curse
Photo by of Joanna Seabrook



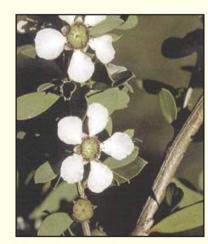
Watsonia hybrid Photo by of Joanna Seabrook



Wild Radish Photo by DAFWA



Veldt Grass Photo by DAFWA



Victorian Tea Tree Photo by Rod Randall

Your Responsibilities...

Whether you have a small block or a large farm, as a landowner the weeds on your property are your responsibility. This leaflet is not a complete list of all the weeds you may have on your land but a selection of the most problematic ones in our area. Some of the listed plants may be "declared' under the Agriculture and Related Resources Protection Act 1976. If a plant is declared, all landholders are obliged to control the plant on their properties. Declared plants fall into categories, which define the action required. The category varies over the State, ranging from prohibition or eradication to control, or just preventing the spread into neighbouring areas. A full list of declared plants and their categories can be found at http://www.agric.wa.gov.au.



sclaimer. Mention of trade names does not imply endorsement or preference of any company's product and any omission of a trade name is unintentional. In certain instances the chemical name is the product name. Always consult your dealer of any priesting the correct product. Caution: Wherever possible, non-chemical methods of weed control are preferred but large scale weed control by chemical methods of weed control are preferred but large scale weed control by chemical methods of weed son purchase the correct product. Always consult your dealer in doubt, as Hand pull seedlings. Spot spray small plants. Treat using cut stump or basal bark spray using 1:60 mix of triclopyr and distillate. Check and re-treat new growth. mutapiven mumreqeoiqed Victorian tea tree Eastern States species. Has become a serious roadside weed. Sandy and lateritic soils. White $\mathfrak g$ etively growing leaves. Use glyphosate or grass specific herbicides such as Fusilade $\mathfrak g$ reldt grass Originating from S. Africa. Perennial grass, flowers in spring and is a common roadside weed Εμιμαιία εαίγείπα reatment by cultivation and burning to remove old growth and herbicide application of new, veeds of agricultural crops and pasture. Wild radish A common roadside weed in all areas of the South West, one of the States most prevalent reatments include glyphosate, metsulfuron, 2,4-D amine etc. Consult with your agricultural unisiundan sundaha Vatsonia/ iloibalg bliW W.borbonica hybrid W. bulbillifera Glyphosate and metsulfuron methyl can by sprayed or wiped onto the plants during Jul-Aug. jarden escapee. Stiff upright leaves. Serious weed in wetter areas. Chokes native vegetation. In clover based pasture use Broadstrike or Jaguar Tigrex. Blanket wipers can be used to apply chlorsulfuron or metsulfuron. Roadsides and bush areas spot treat with glyphosate, chlorsulfuron or metsulfuron. Biological control agents are being released in WA. Waroona, P4; Boddington and Williams) Annual. Purple flowers. Hairy leaves. Widespread on agricultural land and roadside reserves. Reduces pasture productivity by excluding everything else. (P3; Murray, Serp/Jarrahdale, Maroopaa. P4. Boddington and Williams) шпәиіврзирід шпіцэд aterson's curse e used to apply glyphosate. Perennial to 1m. Flowers spring-summer. Can seed 5–6 times a year. Found in road verges and disturbed ground. Difficult to control. Serious fire hazard. Burn or slash infestation and then treat regrowth once it has reached 15-20cm high using typhosate. Along roadsides a mixture of glyphosate and simazine. In sensitive areas a wiper can Eragrostis curvula ovegrass 'esult and can be useful to increase the effectiveness of spraying in wet conditions. Treatments are Dest in summer. דמוונמוומ כמווומגם eneine. A Weed of National Significance (WoNS). A common garden and roadside weed that is Metsulfuron, glyphosate and mixtures of both give good control. A high application volume of water is required for best results. The addition of a wetting agent Pulse® gives a much quicker Common invader of roadside verges. Yellow flowers in spring/early summer. Native to America, growing to 1m tall common in disturbed sites. Night flowering, moth pollinated. 2,4-DB is the only product registered for the control. This is one of the herbicides listed as a estrait ded product near vineyards so a permit will be required. Spray the weeds before they have 6 estricted product near vineyards so a permit will be required. Spray the weeds before they have 6 Oenothera species Acuing primrose Spot spraying seedlings using either glyphosate or glyphosate/simazine mixture. Control in pastures can be obtained using Broadstrike® plus diuron, Jaguar® Spinnaker® and Tigrex®. A permii is required for Tigrex if the area being treated is within 5 km of a vineyard or tomato crop. ntroduced from S. Africa as a salad vegetable. Agricultural and wasteland weed. Green Jowers in winter. Woody fruit with three spines. Annual. (P1; Murray, Serp/Jarrahdale, ponplegee Areas can be spot treated with metsulfuron methyl or glyphosate in pastures. Glyphosate can also give good control when applied to rosettes of dock that usually appear before the main germination of the annual pastures. This is more likely to occur when there is a late break to the asson and treatments can be applied mid to late April. lowering stems. Invades paddocks, found in damper soils, creeks and disturbed wetlands. dative of Europe/Asia. There are 5 species of dock that are nuisance weeds in some shires of MA. Docks are vigorous perennial plants and prolific seeders, mainly consisting of erect səisəds xəmny Spray with glyphosate Sep–Dec before flowers form. Thorough coverage with spray essential. The addition of a wetting agent or penetrant at 0.25% is beneficial. Small plants can be hand pulled. 4 common weed in the Southwest of WA, growing to 2m. Tall slender, pale green stems. - Ilowers white/cream. Spliny pod. Common in disturbed sites and denser thickets in hills. - Roisonie to stock Gomphocarpus fruticosus Triclopyr, applied in a mixture with diesel (1:60) to base of the tree to a height of 30cm. Older trees with rough bark may require more wetting. Use low pressure for spraying. Success from painting or spraying stumps of freshly cut trees. Trees need to be more than 5cm diameter. Best results if cutting occurs within 15cm of the ground level. VERY poisonous. Common on road, rail verges, wastelands, creeks. Castor oil bush sinumuos sunisis hrub growing to 4 metres. Large palmate leaves. Red and yellow flowers. Dark seeds are Metsulfuron methyl can be applied as a spray or wiped onto plants. The treatments can be applied at any time after the plants have sprouted up until the flowering stalk appears. Moraea species cape tulip Commonly found in pastures, woodlands and disturbed land. Flowers in spring. Spread by ρος application with a mixture of glyphosate and metsulturon methyl. хұкетеју іпуазіуе. Рогтз депзе соует, этотретілд еуегутілд. Metsulfuron methyl can be sprayed or wiped onto the plants in winter before flowering. Besults from Kings Park suggest very low rates can be used without damaging other native vegetation. A Weed of National Significance (WoNS). An environmental weed that has excellent a lological control options. Tiny white flowers in spring. Red fleshy fruits. səpioparaqsa suparaqsA Bridal creeper Chrysanthemoides monilifera subsp. monilifera freat by hand-pulling seedlings or glyphosate at 2% solution with a wetting agent. A Weed of National Significance (WoNS). Infestations in the Perth metro and isolated pockets small seedlings can be desiccated using Reglone $^{\omega}$. Apart from the restricted herbicides there are no other suitable products. Plants in most circumstances can be pulled by hand. Common garden weed. Young fruit is toxic especially to stock and children. Common on wetlands, waterways, wastelands, disturbed woodlands, crops. Spread by birds. Віаскоетгу підпітанав murgin mundlos A Weed of National Significance (WoNS). Perennial. Prickly shrub. Spread by seeds and rooting stems. White flowers in spring. Red fruit black by summer. Inc. Logan/boysenberry. [P1; whole of the state, P4; Murray. Serp/Jarrahdale, Waroona) esult and can be useful to increase the effectiveness of spraying in wet conditions. Treatments are səisəds snqny ВІвскрекку td**,19 Metsulfuron, glyphosate and mixtures of both give good control. A high application volume of water is required for best results. The addition of a wetting agent Pulse® gives a much quicker The chemical can also be wiped on. The addition of a wetting agent or penetrant at 0.25% is beneficial. Prevention of seed formation will reduce the spread of the weed. Grows in wet areas, heath and sand dunes. Flowers spring. Yellow spike is poisonous. Impedes water flow and is toxic to stock, especially cattle. Causes eczema. nsiqoidtən nidəsəbətanS Arum lily Metsulfuron methyl, should be applied June-October. Best results are obtained near flowering ire preferred. Follow up treatment will be necessary to control seedlings. rickly species of the Solanum genus growing to 2m. Spiny deeply lobed leaves Purple flowers. fellow berries, poisonous to humans and stock. (P1,P4; Waroona, Serp/Jarrahdale) mundanii munnalos Mobo2 To slqqA 7d**,194* zwitrole gives good control and can be applied almost anytime of the year, but spring and summer Triclopyr, apart from several restricted herbicides is the only product registered. However, extreme care will have to be taken using this product near vineyards. The effectiveness is increased by applying to small plants and by adding a spraying oil at 1% to the mixture. Sutundius languatio Atghan melon common on road verges, paddocks, disturbed ground in summer. Tellow flowers. Fruit bitter Prevent the spread from property. For full description of eategories visit http://www.agric.wa.gov.au. ** Indicates declared status varies from area to area. ' Pest plants (PP) are those weeds proclaimed by the Shire of Serpentine-Jarrahdale as a nuisance under the Local Government Act 1995, which requires the Categories (Cat.): P1: Prohibits movement of plants or their seeds within the State. (highest priority) P2: Eradicate infestation, destroy and prevent propagation. P3: Control infestation in a way that prevents spread and P **WEED INFORMATION**

Important tips...

- 1. Always have a management plan for replacing weeds with desirable species.
- 2. The best, low maintenance strategy is to fill the area with suitable local native plants. Use either tubestock, direct seeding or cover the area with mulch. See 'References' for help.
- 3. Problems in paddocks are less likely if the pasture is well managed. This includes maintaining beneficial species, reseeding when necessary and keeping a watch for new infestations.
- 4. Be aware before you buy hay that you may be bringing in weed seed, such as Paterson's curse and Cape tulip. It is an offence to move or sell hay with declared plant material in it.
- N.B. Burning of weeds on road verges may resolve the immediate fire hazard and visual effect of weeds, however, this practice only increases the long term problem. It improves propagation and germination conditions for weeds. Written approval is required from Council prior to burning any Council controlled land, including road verges.

References...

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Scheltema, M., and Harris, J. (Eds) 1995. *Managing Perth's Bushland*. Greening, Western Australia.

Serpentine-Jarrahdale LCDC. 1999. A Guide to the Control of Declared Plants and Weeds in the Northern Peel Region. Agriculture Western Australia, WA.

Where can you get help?

Shire of Waroona9733 7800 Waroona Landcare Centre9733 2628

Website resources

Department of Agriculture and Food WA http://www.agric.wa.gov.au/ FloraBase: The West Australian Flora http://florabase.calm.wa.gov.au/weeds/

Be aware research is ongoing into the control of weeds. It is always worth contacting your Environmental and Landcare Officers to obtain the latest information. Pamphlets on control of specific weeds are available from the Department of Agriculture and Food WA.

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Department of Agriculture and Food WA.

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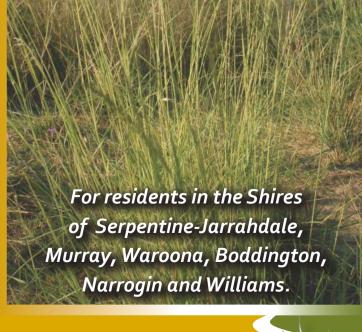
There are Landcare Groups operating in our region.

Why not consider joining one of them, even if
you have a small block of land. They are a great
source of information.

Contact your local Landcare Centre for more information. See above for contact details.

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