

Margaret River Wine Region

Native plant community list Information compiled by Dr Mary Retallack, May 2023 (with thanks to Andrew Hemsley, Lower Blackwood LCDC)

This 'quick guide' can help get you started on your property planning project. It provides details of the native plants found in the Margaret River Wine Region.

Unfortunately, pre-European plant communities and tools to assist you in determining your local plant community types are not currently available as the NatureMap program https://static.dbca.wa.gov.au/pages/naturemap.html has been taken off-line indefinitely.

We wish to acknowledge the assistance of the Species and Communities Program from Department of Biodiversity, Conservation and Attractions who helped identify native plants relevant to Wilyabrup, Rosa Glen and surrounds. As new information becomes available, we will update this fact sheet.

Background information

The plant lists below have been curated to include plants that are likely to be available via local plant nurseries (enquire with your local nursery and pre-order in winter for pick up in May/June the following year), insectary benefits, and potential suitability for use either in or around vineyards.

If you are unsure where to start, ask the nursery to select a tray of mixed species and observe how they grow adjacent to the vineyard in the first year.

If you wish to trial the use of plants, we suggest you start with a small area and focus your efforts on shrubs that either grow or can be trimmed to less than 2.5 metres tall if being planted near the vineyard (adjacent to strainer posts) and/or ground covers that are less than 30 cm tall if you are planting them in the undervine area. Plant a diversity of plants to achieve optimal functional biodiversity benefits.

Plants are presented in alphabetical order by genus in each plant habit category. Native plant communities have been identified for each EcoGrower demonstration site along with useful links to local service providers (native plant nurseries, suppliers of native seeds and sowing services).

Please use the plant information provided as a guide only and seek input from local practitioners and experts when selecting your plants, appropriate planting positions, spacing etc.

To find out more about insectary plants please visit https://ecovineyards.com.au/fact-sheets/





Australia





Margaret River Wine Region

Wilyabrup and Rosa Glen

11-1-2	Family	0	Species	Common name	Floral res	ource	Height	Width	Flower colour		Floressia a time
Habit		Genus			Pollen	Nectar	(m)	(m)			Flowering time
	Fabaceae	Acacia	saligna^	coojong	yes	¹yes	8	5	yellow		winter to spring
	Myrtaceae	Agonis	flexuosa^	peppermint	yes	yes	8	4	white		spring to summer
	Proteaceae	Banksia	attenuata^	slender banksia	yes	yes	2 to 10	2	yel	low	summer to winter
	Proteaceae	Banksia	littoralis^	swamp banksia	yes	yes	1.5 to 12	5	yellow		summer to winter
	Fabaceae	Bossiaea	aquifolium	water bush	yes	yes	5 to 8	5	orange	red	winter to spring
	Fabaceae	Callistachys	lanceolata^	wonnich	yes	yes	1.5 to 7	2 to 7	orange	yellow	spring to summer
	Myrtaceae	Eucalyptus	drummondii^	Drummond's gum	yes	yes	4 to 8	4	white		spring to summer
Tree	Proteaceae	Hakea	oleifolia^	olive-leaved hakea	yes	yes	10	3	white		winter to spring
	Myrtaceae	Melaleuca	huegelii^	chenille honey-myrtle	yes	yes	1 to 8	2 to 6	white		spring to summer
	Myrtaceae	Melaleuca	lanceolata^	Rottnest Island tea-tree	yes	yes	5 to 8	3 to 5	cream		spring to summer
	Myrtaceae	Melaleuca	preissiana^	stout paperbark	yes	yes	6 to 9	5	cream		spring to summer
	Myrtaceae	Taxandria	linearifolia^	swamp peppermint	yes	yes	2 to 5	1 to 3	white		spring to summer
	Myrtaceae	Taxandria	juniperina^	wattie	yes	yes	7 to 10	3 to 5	white		summer to spring
	Myrtaceae	Taxandria	parviceps^	fine tea-tree	yes	yes	3 to 4	3 to 4	white		winter to spring
	Fabaceae	Viminaria	juncea^	native broom	yes	yes	1 to 6	1 to 3	yellow		spring to summer

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Wine





				Common name	Floral reso	ource	Height	Width	Flower colour		Elewering time
Habit	Family	Genus	Species		Pollen	Nectar	(m)	(m)	Flowe	r colour	Flowering time
	Fabaceae	Acacia	alata^	winged wattle	yes	¹yes	0.5 to 1	1	cro	eam	autumn to spring
	Fabaceae	Acacia	browniana^	Brown's wattle	yes	¹yes	0.5 to 2	1	cream		autumn to spring
	Fabaceae	Acacia	divergens^	sail-boat wattle	yes	¹yes	0.5 to 2.5	1 to 2	cre	eam	winter to spring
	Fabaceae	Acacia	myrtifolia^	myrtle wattle	yes	¹yes	1 to 2	1 to 2	ye	llow	spring
	Fabaceae	Acacia	pulchella^	western prickly moses	yes	¹yes	1 to 2	1 to 2	ye	llow	winter to spring
	Fabaceae	Acacia	urophylla^	tall-leaved wattle	yes	¹yes	1 to 3	1 to 2	ye	llow	autumn to spring
	Myrtaceae	Astartea	scoparia^	common astartea	yes	yes	2	1.5	white		summer
	Rutaceae	Boronia	alata^	winged boronia	yes	yes	2 to 5	2 to 3	pink		spring to summer
	Rutaceae	Boronia	crenulata^	aniseed boronia	yes	yes	1	1	pink		spring to summer
Shrub	Rutaceae	Boronia	molloyae^	tall boronia	yes	yes	2 to 5	2 to 3	pink		spring to summer
Cinab	Fabaceae	Bossiaea	disticha^	golden cascade	yes	yes	1 to 2	1 to 2	orange	red	spring
	Fabaceae	Bossiaea	linophylla^		yes	yes	2 to 5	1 to 2	orange	red	winter to summer
	Fabaceae	Bossiaea	ornata^	broad leaved brown pea	yes	yes	1	1	orange	red	spring
	Myrtaceae	Calothamnus	sanguineus^	silky-leaved blood flower	yes	yes	1 to 2	1 to 2	red		autumn to spring
	Fabaceae	Chorizema	cordatum^	heart-leaf flame pea	yes	yes	1.5	1	orange	red	winter to spring
	Fabaceae	Daviesia	decurrens^	prickly bitter-pea	yes	yes	1	1	orange	red	autumn to spring
	Fabaceae	Daviesia	divaricata^	marno	yes	yes	2	4	yellow	red	winter to summer
	Fabaceae	Daviesia	horrida^	prickly bitter pea	yes	yes	1 to 2	1	orange	red	winter to spring
	Sapindaceae	Dodonaea	aptera^	coast hop bush	yes	no	2 to 4	2 to 4	insignificant		autumn to winter
	Sapindaceae	Dodonaea	ceratocarpa^	prostrate form	yes	no	0.5	4	insig	nificant	autumn to spring

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	-	Genus	Species	Common name	Floral resource		Height	Width			- 1
Habit	Family				Pollen	Nectar	(m)	(m)	Flower colour		Flowering time
	Fabaceae	Eutaxia	myrtifolia^		yes	yes	1 to 2	1 to 2	orange	red	summer to spring
	Proteaceae	Grevillea	brachystylis^	short-styled grevillea	yes	yes	1	1	red		winter to spring
	Proteaceae	Hakea	lasianthoides^	willow hakea	yes	yes	1.5 to 3.5	1 to 2	cre	am	spring
	Proteaceae	Hakea	prostrata^	harsh hakea	yes	yes	1 to 4	1 to 4	wh	nite	spring
	Proteaceae	Hakea	ruscifolia^	candle hakea	yes	yes	0.5 to 3	1.5 to 2	wh	nite	summer to winter
	Proteaceae	Hakea	sulcata^	furrowed hakea	yes	yes	0.5 to 2	0.5 to 1.5	cre	am	winter to spring
	Proteaceae	Hakea	trifurcata^	two-leaved hakea	yes	yes	1 to 3	1 to 3	cre	am	autumn to spring
	Dilleniaceae	Hibbertia	cuneiformis^	cut-leaf hibbertia	² buzz pollinated	yes	1 to 2	1 to 2	yellow		winter to spring
	Dilleniaceae	Hibbertia	serrata^	serrated leaved guinea flower	² buzz pollinated	yes	0.3 to 1.5	0.5 to 1.5	yellow		spring to summer
	Fabaceae	Hovea	elliptica^	tree hovea	yes	yes	0.6 to 3	2	purple		spring to summer
Shrub	Myrtaceae	Homalospermum	firmum^		yes	yes	1 to 3	1 to 2	white	pink	winter to summer
	Myrtaceae	НуросаІутта	angustifolium^	white myrtle	yes	yes	1 to 2	1 to 2	white	pink	winter to spring
	Myrtaceae	НуросаІутта	robustum^	Swan River myrtle	yes	yes	0.4 to 1.5	1	pink		winter to spring
	Myrtaceae	Kunzea	recurva^	purple kunzea	yes	yes	0.3 to 2	1 to 2	pink		spring to summer
	Myrtaceae	Melaleuca	incana^	grey honey myrtle	yes	yes	2	2	cream		spring
	Myrtaceae	Melaleuca	lateritia^	robin redbreast bush	yes	yes	2.5	3	re	ed	spring to autumn
	Fabaceae	Mirbelia	dilatata^	holly-leaved mirbelia	yes	yes	0.5 to 3	1 to 2	pi	nk	spring to summer
	Scrophulariaceae	Myoporum	insulare^	common boobialla	yes	yes	3 to 5	3 to 5	white		spring
	Goodeniaceae	Scaevola	crassifolia^	thick-leaved fan flower	yes	yes	1.5	1.5	blue	purple	spring to winter
	Goodeniaceae	Scaevola	nitida^	shining fan flower	yes	yes	0.3 to 3		blue	purple	spring to summer
	Myrtaceae	Verticordia	plumosa^	plumed feather flower	yes	yes	1.5	1.54	pi	nk	spring to summer

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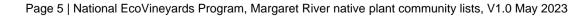








Habit	Family	Genus	Cassian	Common name	Floral resource		Height	Width	Flower colour		Elewering time
Habit			Species		Pollen	Nectar	(m)	(m)	Flower colour		Flowering time
	Apiaceae	Apium	prostratum^	sea celery	yes	yes	0.5 to 1	1	white		spring to summer
	Amaranthaceae	Atriplex	isatidea^	coast saltbush	yes	no	0.5 to 2.5	1 to 2	insignificant		autumn to winter
	Haemodoraceae	Anigozanthos	flavidus^	kangaroo paw	yes	yes	2	1 to 2	orange	red	spring to summer
	Haemodoraceae	Anigozanthos	manglesii^	red-and-green kangaroo paw	yes	yes	1	1	green		winter to spring
	Poaceae	Austrostipa	elegantissima^	tall feather grass	yes	no	2	0.8	green	brown	spring to summer
	Poaceae	Austrostipa	flavescens^	spear grass	yes	no	1.5	0.5	green	brown	spring to summer
	Myrtaceae	Calytrix	flavescens^	summer starflower	yes	yes	0.3 to 0.8	0.3 to 0.5	yellow		spring to summer
Ground cover	Haemodoraceae	Conostylis	aculeata^	prickly conostylis	yes	yes	0.3	0.6	yellow		winter to spring
	Convolvulaceae	Dichondra	repens^	dichondra	yes	yes	0.2	0.5	white	mauve	spring to summer
	Aizoaceae	Disphyma	crassifolium^	round leaf pigface	yes	yes	0.2	0.5 to 1	pink		all year
	Fabaceae	Kennedia	carinata^	clover carpet	yes	yes	0.2	0.5	red		spring
	Fabaceae	Kennedia	prostrata^	running postman	yes	yes	0.1	1.5 to 4	r	ed	winter to spring
	Poaceae	Rytidosperma	caespitosum^*	common wallaby grass	yes	no	0.2 to 0.4	0.4	cream		spring to summer
	Poaceae	Rytidosperma	geniculatum^*	kneed wallaby grass	yes	no	0.2	0.2	cream		spring to summer
	Poaceae	Themeda	triandra^*	kangaroo grass	yes	no	0.4 to 1	0.5 to 1	brown		all year







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		ly Genus Species Common name Floral resource Height (m)			Floral res	ource	Height	Width			
Habit	Family			(m)	Flower colour		Flowering time				
Ctuan laguad	Iridaceae	Patersonia	occidentalis^	purple flag	yes	yes	0.5	0.6	blue	purple	spring to summer
Strap leaved	Xanthorrhoeaceae	Xanthorrhoea	preissii^	grass tree	yes	yes	2 to 3	2	cream		spring
	Cyperaceae	Baumea	rubiginosa^	soft twig rush	yes	yes	1.4	2	bro	own	spring to summer
	Cyperaceae	Ficinia	nodosa^	knobby club rush	yes	yes	1	0.6	brown		winter
	Juncaceae	Juncus	amabilis^	hollow rush	yes	yes	1.2	0.5	brown		spring to summer
Sedges and rushes	Juncaceae	Juncus	pauciflorus^	loose flower rush	yes	yes	0.3 to 1	0.5	brown		spring
1401100	Juncaceae	Juncus	subsecundus^	finger rush	yes	yes	1	1	brown		spring to summer
	Cyperaceae	Lepidosperma	effusum^	spreading sword sedge	yes	yes	2.5	2	brown		autumn to spring
	Cyperaceae	Lepidosperma	gladiatum^	coastal sword sedge	yes	yes	1	1	brown		spring to summer
Bulbs and	Asphodelaceae	Dianella	brevicaulis^	coast flax lily	² buzz pollinated	yes	0.3	0.6	violet		summer
lilies	Asphodelaceae	Dianella	revoluta^	black-anther flax-lily	² buzz pollinated	yes	0.3 to 1	0.5 to 2	violet		spring to summer
Climber	Fabaceae	Chorizema	diversifolium^	climbing flame pea	yes	yes	1	1	orange	red	winter to summer
(outside	Ranunculaceae	Clematis	pubescens^	old man's beard	yes	yes	climber	0.5	cream		autumn to spring
vineyard)	Fabaceae	Hardenbergia	comptoniana^	native wisteria	yes	yes	climber	2 to 3	purple		winter to spring

[^] plants available commercially

Growers are encouraged to explore the use of *Bursaria spinosa*, *Leptospermum* ssp. and *Rytidosperma* ssp. as insectary plants in proximity grapevines (Retallack et al., 2019). It is anticipated a broader suite of native insectary plants could extend the richness and abundance of predatory arthropods in and around vineyards.







^{*} seed available commercially

¹ Acacia flowers do not produce nectar. However, the leaf and phyllode glands do secrete a nectar or sugary substance which bees, butterflies and other insects have been observed feeding on.

² **Buzz pollination:** Some native bees use a special pollination technique called 'buzz pollination' (sonication) i.e., the blue-banded bee, bangs its head on the flower's anthers 350 times a second to release the pollen. Plants from the Solanaceae (nightshade) family (tomatoes, capsicums, and eggplants) and many Australian native plants including *Hibbertia* ssp. and *Dianella* ssp. are buzz pollinated. These plants have the capacity to boost biodiversity and support populations of native bees, but their pollen resources may not be readily available to predatory arthropods.



Native insectary plants (general)

It is reported that the longevity of parasitoid wasps which predominantly feed on nectar are significantly enhanced by Australian native plants including sweet bursaria, Bursaria spinosa, crimson bottlebrush, Callistemon sp., Hakea, Hakea sp., prickly tea-tree, Leptospermum continentale, woolly tea-tree, Leptospermum lanigerum, austral trefoil, Lotus australis, creeping mint, Mentha satureioides, dryland tea tree, Melaleuca lanceolata, creeping boobialla, Myoporum parvifolium, sticky boobialla, Myoporum petiolatum, and wallaby grasses, Rytidosperma ssp.

In addition, a recent desktop review of plants identified a broader suite of locally adapted native plants which are regarded as having the capacity to provide insectary benefits and may hold widespread appeal. They include wild rosemary, *Dampiera rosmarinifolia*, clasping goodenia, *Goodenia amplexans*, hop goodenia, *Goodenia ovata*, cut-leaf goodenia, *Goodenia pinnatifida*, boobialla, *Myoporum insulare*, long-leaved bush-pea, *Pultenaea daphnoides*, twiggy bush-pea, *Pultenaea largiflorens*, blue-rod, *Stemodia florulenta*, fairy fan-flower, *Scaevola aemula*, as well as species of *Acacia* ssp., *Eucalyptus* ssp., and *Lomandra* ssp. that may be suited to a particular site. Other plants previously identified for their insectary benefits in vineyards include straw wallaby grass, *Rytidosperma richardsonii*, windmill grass, *Chloris truncata*, and creeping saltbush, *Atriplex semibacca*

Continue your search for useful information here:

Australian National Botanic Gardens https://www.anbg.gov.au/search/index.html

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- Florabase https://florabase.dpaw.wa.gov.au
- Nature Conservation Margaret River revegetation with local natives (p. 28-39) https://natureconservation.org.au/wp-content/uploads/2019/07/Bushland-Management-Information-Sheets-Combined-Reduced.pdf
- · Threatened species and communities https://www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities
- Wheen Bee Foundation https://www.wheenbeefoundation.org.au/wp-content/uploads/2023/03/SF001-R-18.2-Pollinators-8pp-Swan-River-WA.pdf











Local plant nurseries and seed suppliers

Native plant nurseries				
Company	Contact	Address	Contact details	Website
Benara Nurseries	Claire Fanklyn- Jones	32 Safari Place, Carabooda WA 462 Nicholson Road, Forrestdale	T: 08 9561 9000 E: claire@benara.com.au	https://www.benaranurseries.com
Boyanup Botanical Nursery	Raelene	Lot 14 South West Highway Boyanup	T: 08 9731 5470 E: sales@boyanupbotanical.com.au	https://boyanupbotanical.com.au
Hamel Nursery	Richard Hordacre	178 Attein Road Coolup	T: 0439 769 379 E: info@hamelnursery.com.au	https://www.hamelnursery.com.au
Geographe Community Landcare Nursery	Rod Carey	366 Queen Elizabeth Avenue Ambergate (Busselton)	M: 0429 644 885 E: gcln@gcln.org.au	https://gcln.org.au
Tube Nursery	Jeremy / Jacqui	8 Blond Street Cowaramup	T: 08 9755 5509 / M: 0417 936 946 E: tube_nsy@bigpond.net.au	https://www.tubenursery.com.au
Native seed collectors and/or sowing set	rvices			
Capelife	Brook Devine	Margaret River	M: 0422 438 884 E: brook@capelife.com.au	https://capelife.com.au Local south-west revegetation and seed collecting contractor
Payne Farms	Debbie Legge	Karridale	M: 0456 639 661	
Tranen Revegetation Systems	Matt Blunt	11 Vincent St, Bayswater	M: 0400 165 729 E: matt.blunt@tranen.com.au	https://www.tranen.com.au Commercial revegetation consultants/contractors
Native seeds retailers				
Australian Wildflower Seeds		Donnybrook	E: https://wildseedaustralia.com.au	https://wildseedaustralia.com.au/store/
Formosa Flora	Keith Smith	223 Rutherford Rd Torbay via Albany	E: formosaflora@bigpond.com M: 0428 451 516	
Nindethana Native Seeds		Albany	T: 08 9844 3533 E: seed@nindethana.net.au	https://www.nindethana.net.au
Seed West		234 Benmuni Rd Wanneroo	T: (08) 9405 2372 E: seedwest@iinet.net.au	https://seedwest.net.au/index.html

Please contact the EcoVineyards team admin@ecovineyards.com.au if you would like us to add your company details. This is a living document, and it is updated as new information becomes available.









Further reading

Articles on functional biodiversity enhancement

- Retallack, M. (2011) **Vineyard biodiversity and insect interactions.** Grape and Wine Research and Development Corporation, Adelaide. http://www.viti.com.au/pdf/Rmjr0811VineyardBiodiversityandInsectInteractionsBookletFINAL.pdf
- Retallack, M. (2012) **Enhancing biodiversity in the vineyard.** Adelaide and Mount Lofty Ranges Natural Resources Management Board, Adelaide. http://www.viti.com.au/pdf/Enhancing%20Biodiversity%20in%20the%20Vineyard%20%20Workshop%20 Notes.pdf
- Retallack, M.J. (2018) **The importance of biodiversity and ecosystem services in production landscapes**. The Australian and New Zealand Grapegrower and Winemaker. Oct (657), 36 43. https://winetitles.com.au/gwm/articles/october-657/the-importance-of-biodiversity-and-ecosystem-services-in-production-landscapes/
- Retallack, M.J. (2018) The role of native insectary plants and their contribution to conservation biological control in vineyards. The Australian and New Zealand Grapegrower and Winemaker. Nov (658). https://winetitles.com.au/gwm/articles/november-658/the-role-of-native-insectary-plants-and-their-contribution-to-conservation-biological-control-in-vineyards/
- Retallack, M.J. (2018) **Practical examples of ways to establish native insectary plants in and around vineyards**. The Australian and New Zealand Grapegrower and Winemaker. Dec (659), 38-41. https://winetitles.com.au/gwm/articles/december-659/practical-examples-of-ways-to-establish-native-insectary-plants-in-and-around-vineyards/
- Retallack, M.J. (2019) **The functional diversity of predator arthropods in vineyards**. The Australian and New Zealand Grapegrower and Winemaker. Jan (660), 23-26. https://winetitles.com.au/gwm/articles/january-660/the-functional-diversity-of-predator-arthropods-in-vineyards/
- Retallack, M.J. (2019) **Ways to monitor arthropod activity on native insectary plants**. The Australian and New Zealand Grapegrower and Winemaker. Feb (661), 40-43. https://winetitles.com.au/gwm/articles/february-661/ways-to-monitor-arthropod-activity-on-native-insectary-plants/
- Retallack, M.J., Thomson, L.J, and Keller, M.A. (2019) **Native insectary plants support populations of predatory arthropods for Australian vineyards.** 42nd Congress of Vine and Wine, International Organisation of Vine and Wine (OIV), Geneva, Switzerland. https://www.bio-conferences.org/articles/bioconf/abs/2019/04/bioconf-oiv2019 01004/bioconf-oiv2019 01004/bioconf-oiv2019

Copies of these publications can also be found here https://ecovineyards.com.au/articles/

Fact sheets and case studies

Australia

National EcoVineyards Program fact sheets can be downloaded here https://ecovineyards.com.au/fact-sheets/
EcoVineyards case studies can be downloaded here https://ecovineyards.com.au/fact-sheets/









Program partners





Regional partners











Clare Valley Wine 8 Grape Association



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Supporting partners





















The National EcoVineyards Program is funded by Wine Australia with levies from Australia's grape growers and winemakers and matching funds from the Australian Government.

Acknowledgement of country

The EcoVineyards program acknowledges Aboriginal people as the First Peoples and Nations of the lands and waters we live and work upon and we pay our respects to their Elders past, present, and emerging. We acknowledge and respect the deep spiritual connection and the relationship that Aboriginal and Torres Strait Islander people have to Country.

Disclaimer

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