

NatureMaps 'quick start' guide Information compiled by Dr Mary Retallack, April 2022

NatureMaps is an online program that can be used to source information for individual properties located in South Australia. This is a 'quick guide' to help get you started on your property planning project and it provides details of the major pre-European plant communities found in the Adelaide Hills Wine Region.

Step #	Instruction
Step 1	To get started open the following link https://data.environment.sa.gov.au/NatureMaps/Pages/default.aspx
Step 2	Select the 'start' button START using NatureMaps and wait for the program to load
Step 3	Type your details in the 'find your address or location' bar
Step 4	Select the best fit from the ALVS tab 🍃 (6) ALVS LENSWOOD, 5240 and the map will zoom to your address
Step 5	Use the zoom 'in or out' buttons to navigate around the map (toggle out so you can see the region)
Step 6	Select the 'layers' button at the bottom of the screen
Step 7	Select the 'vegetation' layer + 🕜 Vegetation and then select the + button to open the drop down menu.
Step 8	Select 'Pre-European Vegetation' from the drop-down menu
Step 9	Slide the bar to change the transparency of the layer selected Pre European Vegetation
Step 10	Place your cursor over a coloured area on the map to get more information about the selected layer. Then select 'view additional details' in the white summary box to access further details.
Step 11	Once you have identified the name of your local plant community you can search and download a list of plants here https://www.landscape.sa.gov.au/hf/our-priorities/nature/native-plants-and-animals/native-plants/native-plants-and-animals/native-plants/native-plants-and-animals/native-plants/native-plants-and-animals/native-plants/native-plants-and-animals/native-plants/native-plants-and-animals/native-plants/native-plants-and-animals/native-plants/native-plants-and-animals/native-plants/native-plants-and-animals/native-plants/native-plants-and-animals/native-plants-and-animals/native-plants-and-animals/native-plants-and-animals/native-plants-and-animals/native-plants-and-animals/native-plants-and-animals/native-plants-and-animals/native-plants-and-animals/native-plants-and-animals/native-plants-and-animals/native-plants-and-animals/native-plants-and-animals/native-plants-and-animals/native-plants-animals/nativ

For further info see https://data.environment.sa.gov.au/NatureMaps/Documents/NatureMaps%20Help%20Guide.pdf

Please refer to the plant community lists below (which relate the location of the EcoVineyards demonstration sites) or enter your details into NatureMaps and follow the process above to access a plant list for your local area.



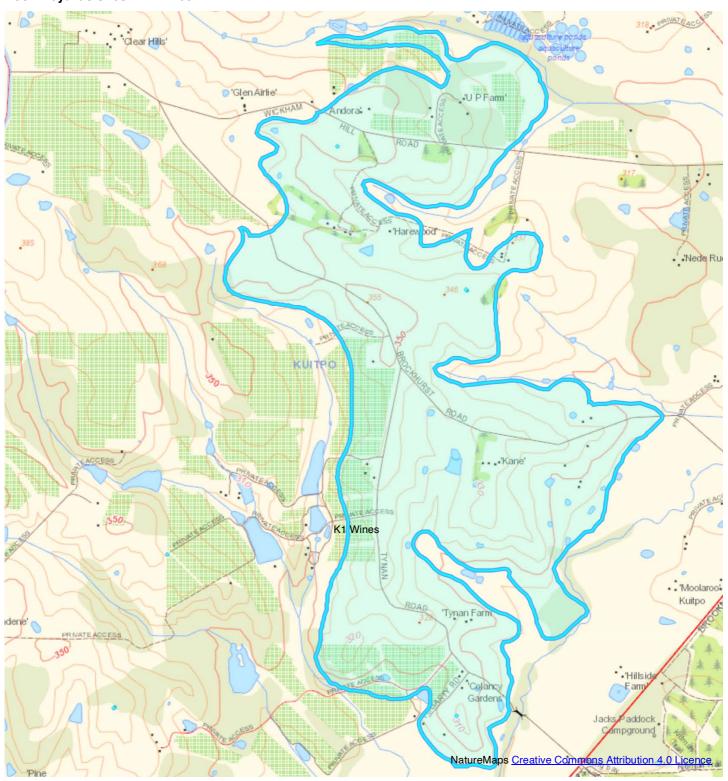




Stringybark, *Eucalyptus obliqua* open forest (H1) (ML0101PE) plant species list

Description: Eucalyptus obliqua open forest over a sclerophyll shrub understorey including Exocarpos cupressiformis, Olearia grandiflora, O. ramulosa, Acacia myrtifolia, Hakea rostrata, Leucopogon virgatus, Daviesia leptophylla, Banksia marginata, Pultenaea daphnoides, P. largiflorens and Pteridium esculen

EcoVineyards sites: K1 Wines







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EcoVineyards sites: Henschke Lenswood Vineyard and Geoff Weaver Wines



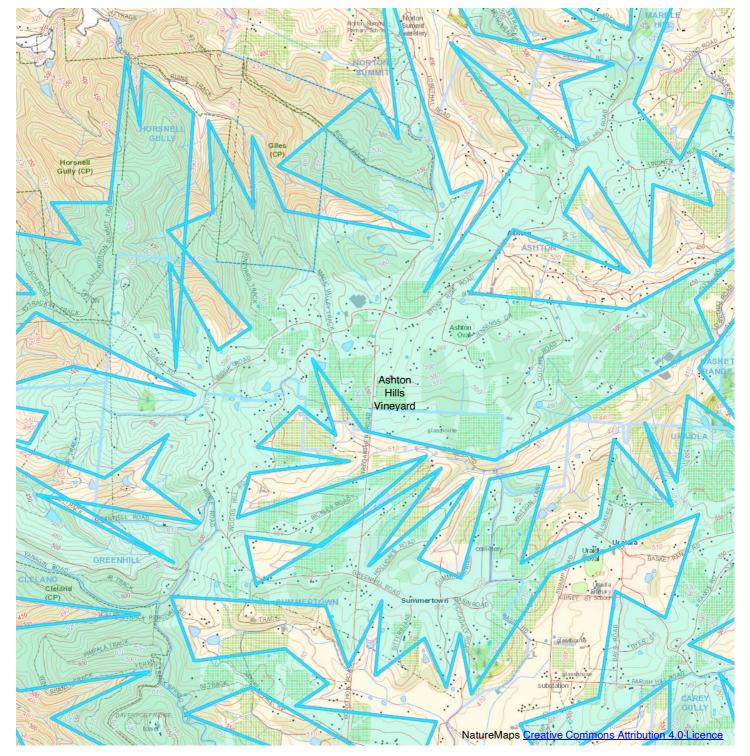




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EcoVineyards site: Ashton Hills Vineyard







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EcoVineyards site: Vinteloper









Stringybark, Eucalyptus obliqua open forest species list

This list may contain historical scientific or common names and includes plant species that grew naturally in this vegetation association that are commercially available. This information has been summarised from https://www.landscape.sa.gov.au/hf/our-priorities/nature/native-plants-and-animals/native-plants/ native-plant-species-lists// https://www.stateflora.sa.gov.au/ and https://plantselector.botanicgardens.sa.gov.au. This information should be used as a guide only.

l labit	Comus	Cuasias	Common	Floral reso	ources	Height	Width	Tolerance	Flower colour		Flowering
Habit	Genus	Species	name	Pollen	Nectar	(m)	(m)	to frost	Flower	colour	time
	Acacia	melanoxylon	blackwood	yes	¹yes	7 to 20	4 to 10	resistant	yel	low	winter to spring
	Acacia	pycnantha	golden wattle	yes	¹yes	4 to 6	2 to 6	moderately sensitive	yel	yellow	
	Banksia	marginata	silver banksia	yes	yes	2 to 8	1 to 5	resistant	yellow		spring spring to autumn
Tree	Eucalyptus	cosmophylla	cap gum	yes	yes	3 to 8	5 to 10	resistant	cre	am	autumn to winter
	Eucalyptus	leucoxylon ssp. leucoxylon	SA blue gum	yes	yes	8 to 30	8 to 25	moderately sensitive	cream	pink	autumn to winter
	Eucalyptus	obliqua	messmate	yes	yes	15 to 40	12 to 25	moderately sensitive	wh	ite	summer
	Acacia	gunnii	ploughshare wattle	yes	¹yes	0.2 to 0.8	1 to 2	resistant	yel	low	winter to spring
	Acacia	myrtifolia	myrtle wattle	yes	¹yes	1 to 2	1 to 2	moderately sensitive	yel	ow	spring
	Acacia	verniciflua	varnish wattle	yes	¹yes	3 to 5	3 to 5	moderately sensitive	yel	ow	winter to summer
	Allocasuarina	muelleriana ssp. muelleriana	common oak-bush / slaty sheoak	yes	no	1 to 3	2 to 3	moderately sensitive	insign	ificant	spring to summer
	*Bursaria	spinosa	Christmas bush	yes	yes	2 to 4	1 to 3	resistant	wh	ite	late spring to late summer
	Daviesia	brevifolia	leafless bitter-pea	yes	yes	0.6 to 1.5	0.5 to 1	resistant	ora	nge	spring
	Daviesia	leptophylla	narrow-leaf bitter-pea	yes	yes	1 to 2.5	1 to 2	moderately sensitive	red	orange	spring
	Daviesia	ulicifolia	prickly bitter-pea	yes	yes	1 to 2	1 to 2	resistant	yellow	orange	spring
	Goodenia	ovata	hop goodenia	yes	yes	1 to 2.5	1 to 3	moderately sensitive	yel	low	spring to summer
Shrub	Grevillea	<i>lavandulacea</i> ssp. lavandulacea	heath grevillea	yes	yes	1 to 1.5	2 to 3	resistant	re	ed	winter to spring
	Hakea	carinata	erect hakea	yes	yes	1.5 to 3	1 to 2.5	moderately sensitive	wh	ite	spring
	Hibbertia	exutiacies	prickly guinea flower	² buzz pollinated (pollen only accessible to native bees)	no	0.3 to 0.5	0.5 to 1	moderately sensitive	yel	low	spring
	Ixodia	achillaeoides ssp. alata	hills daisy	yes	yes	1	1	moderately sensitive	wh	ite	spring to summer
	*Leptospermum	continentale	prickly tea- tree	yes	yes	0.5 to 2	1 to 2	resistant	wh	ite	spring to summer
	*Leptospermum	myrsinoides	silky tea- tree	yes	yes	1 to 4	1 to 4	resistant	wh	ite	spring
	Platylobium	obtusangulum	holly flat pea	yes	yes	0.3 to 1	0.5 to 1	moderately sensitive	red	orange	spring to summer
	Pultenaea	daphnoides	large-leaf bush pea	yes	yes	1 to 2	0.5 to 1	moderately sensitive	red	orange	spring
	Tetratheca	<i>pilosa</i> ssp. pilosa	hairy pink- bells	yes	yes	0.2 to 0.5	0.2 to 0.5	moderately sensitive	pi	nk	spring to summer

¹Acacia 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.

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







Stringybark, Eucalyptus obliqua open forest species list – continued

11-1-14	0	Charles	Common	Floral reso	ources	Height	Width	Tolerance	Flower colour		Flowering
Habit	Genus	Species	name	Pollen	Nectar	(m)	(m)	to frost	Flower	colour	time
	Lomandra	densiflora	pointed mat- rush	yes	yes	0.2 to 0.6	0.2 to 0.6	resistant	gre	en	winter to summer
Strap leaved	Lomandra	<i>multiflora</i> ssp. Dura	hard mat- rush	yes	yes	0.2 to 0.8	0.75	resistant	cre	am	winter to summer
leaveu	Xanthorrhoea	<i>semiplana</i> ssp. semiplana	grass tree	yes	yes	1 to 3	1 to 2	moderately sensitive	cre	am	winter to spring
	Austrostipa	nodosa	tall spear grass	yes	no	0.5 to 1	0.5 to 1	resistant	green	brown	spring to summer
	Kennedia	prostrata	scarlet runner or running postman	yes	yes	0.1	1.5 to 4	moderately sensitive	re	d	winter to spring
Ground cover	Microlaena	stipoides var. stipoides	weeping rice- grass	yes	no	0.1 to 0.7	0.2 to 1	moderately sensitive	cream		spring to summer
5575.	*Rytidosperma	setaceum	small- flowered wallaby grass	yes	no	0.2 to 0.6	0.1 to 0.3	resistant	cre	am	spring to summer
	Scaevola	albida	pale fan flower	yes	yes	0.3 to 0.6	0.6 to 1	resistant	Wh	nite	all year
	Themeda	triandra	kangaroo grass	yes	no	0.4 to 1	0.5 to 1	resistant	bro	wn	frequent
Bulbs and lilies	Dianella	<i>revoluta</i> var. revoluta	black-anther flax-lily	² buzz pollinated (pollen only accessible to native bees)	no	0.3 to 1	0.5 to 2	resistant	blue		spring to summer
Climber (outside vineyard)	Hardenbergia	violacea	native lilac	yes	yes	climber	3 to 4	moderately sensitive	pur	ple	winter to spring

² **Buzz pollination:** Some native bees use a special pollination technique called 'buzz pollination' (sonication) i.e. the bluebanded 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 Christmas bush, *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 native to South Australia 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 semibaccata*.

More information?

If you would like to find out more information about individual plants. Visit the Botanic Gardens of SA 'Plant Selector' http://plantselector.botanicgardens.sa.gov.au. Enter your postcode and press search. View the results and export data to retain a copy. The Excel spreadsheet contains detailed notes about each plant and its suggested uses.





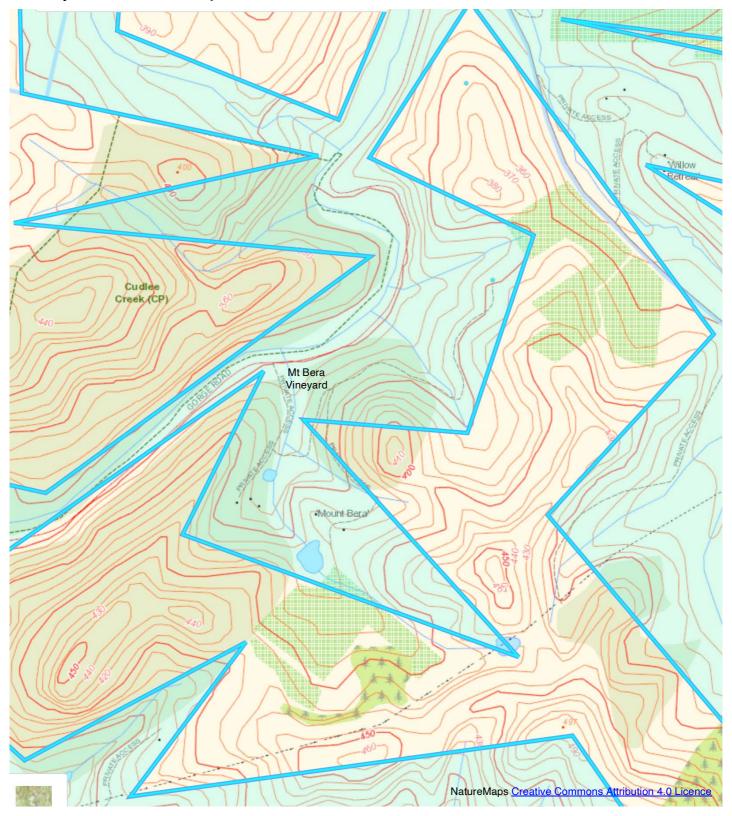


Red gum, *Eucalyptus camaldulensis* var. camaldulensis woodland (H12) plant species list

Description: Eucalyptus camaldulensis var. camaldulensis woodland over an open understorey of sedges, rushes,

grasses and herbs

EcoVineyards site: Mt Bera Vineyard







Red gum, Eucalyptus camaldulensis var. camaldulensis woodland species list

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llahit.	Convo	Species	Common		oral urces	Height	Width	Tolerance	Flo	wer	Flowering
Habit	Genus	Species	name	Pollen	Nectar	(m)	(m)	to frost	col	our	time
	Acacia	melanoxylon	blackwood	yes	¹yes	7 to 20	4 to 10	resistant	yellow		winter to spring
	Acacia	pycnantha	golden wattle	yes	¹yes	4 to 6	2 to 6	moderately sensitive	yel	low	winter to spring
	Acacia	retinodes var. retinodes	swamp wattle	yes	¹yes	5 to 8	3 to 7	moderately sensitive	yel	low	winter to spring
	Callistemon	sieberi	river bottlebrush	yes	yes	2 to 4	2 to 3	moderately sensitive	cre	am	spring
Tree	Eucalyptus	<i>camaldulensis</i> ssp. camaldulensis	river red gum	yes	yes	20 to 30	10 to 15	resistant	wh	nite	summer
	Eucalyptus	<i>dalrympleana</i> ssp. dalrympleana	candlebark gum	yes	yes	15 to 35	11 to 15	resistant	white		spring to summer
	Eucalyptus	<i>leucoxylon</i> ssp. leucoxylon	SA blue gum	yes	yes	8 to 30	8 to 25	moderately sensitive	cream	pink	autumn to winter
	Eucalyptus	<i>viminalis</i> ssp. cygnetensis	rough-bark manna gum	yes	yes	6 to 20	8 to 20	moderately sensitive	white		spring to autumn
	Exocarpos	cupressiformis	native cherry	yes		3 to 6	2 to 3	resistant	cre	am	spring to autumn
	Acacia	acinacea	gold dust wattle	yes	¹yes	1 to 2	1 to 2	resistant	yellow		winter to spring
	*Bursaria	<i>spinosa</i> ssp. spinosa	christmas bush	yes	yes	2 to 4	1 to 3	resistant	wh	nite	late spring to late summer
	Cullen	australasicum	tall scurf-pea	yes	yes	0.5 to 2.5	1 to 2	moderately sensitive	pi	nk	spring
	Enchylaena	tomentosa var. tomentosa	ruby saltbush	yes		0.3 to 1	0.5 to 1.5	resistant	insigr	ificant	spring to summer
Shrub	Goodenia	amplexans	clasping goodenia	yes	yes	0.5 to 1.2	0.5 to 1	moderately sensitive	yel	low	spring to summer
	*Leptospermum	continentale	prickly tea- tree	yes	yes	0.5 to 2	1 to 2	resistant	wh	nite	spring to summer
	*Leptospermum	lanigerum	woolly tea- tree	yes	yes	2 to 5	1.5 to 4	resistant	cre	am	spring to summer
	Pultenaea	largiflorens	twiggy bush- pea	yes	yes	1 to 1.5	0.5 to 1.5	moderately sensitive	yellow	orange	winter to spring
	Senecio	pinnatifolius	variable groundsel	yes	yes	0.5 to 1.2		resistant	yellow		spring to summer
Strap leaved	Xanthorrhoea	<i>semiplana</i> ssp. semiplana	grass tree	yes	yes	1 to 3	1 to 2	moderately sensitive	cre	am	winter to spring

¹Acacia 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.

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Red gum, Eucalyptus camaldulensis var. camaldulensis woodland species list - continued

II-bit	0	Species	Common	Floral res	ources	Height	Width	Tolerance to	Flower	Flowering
Habit	Genus	Species	name	Pollen	Nectar	(m)	(m)	frost	colour	time
	Austrostipa	elegantissima	feather spear- grass	yes	no	1	1	resistant	cream	winter to spring
	Austrostipa	scabra	rough spear- grass	yes	no	0.3 to 0.6	0.5	resistant	cream	winter to spring
	Chloris	truncata	windmill grass	yes	no	0.3 to 0.5	0.2 to 0.5	resistant	cream	spring to summer
	Goodenia	pinnatifida	cut-leaf goodenia	yes	yes	0.4	0.1	moderately sensitive	yellow	spring to summer
	Lobelia	anceps	angled lobelia	yes		0.1 to 0.3	0.3 to 2	moderately sensitive	purple	spring to summer
Ground cover	Microlaena	<i>stipoides</i> var. stipoides	weeping rice- grass	yes	no	0.1 to 0.7	0.2 to 1	moderately sensitive	cream	spring to summer
cover	Rytidosperma	auriculatum	lobed wallaby grass	yes	no	0.2 to 0.7	0.1 to 0.2	resistant	cream	spring
	*Rytidosperma	caespitosum	common wallaby grass	yes	no	0.2 to 0.8	0.1 to 0.3	resistant	cream	spring
	*Rytidosperma	setaceum	small- flowered wallaby grass	yes	no	0.2 to 0.6	0.1 to 0.3	resistant	cream	spring to summer
	Themeda	triandra	kangaroo grass	yes	no	0.4 to 1	0.5 to 1	resistant	brown	frequent
	Wahlenbergia	<i>stricta</i> ssp. stricta	tall bluebell	yes	yes	0.3 to 0.6	0.5 to 1	moderately sensitive	blue	frequent
	Bolboschoenus	caldwellii	salt club-rush	yes		0.3 to 1.2		resistant	brown	spring to summer
	Carex	tereticaulis	rush sedge	yes	yes	0.6 to 1.2	0.6 to 1	resistant	brown	spring to summer
	Cyperus	gymnocaulos	spiny flat- sedge	yes		0.2 to 0.7	0.5 to 1	resistant	brown	winter to summer
Sedges and rushes	Cyperus	vaginatus	stiff flat-sedge	yes		0.3 to 1.5	0.5 to 2	resistant	brown	spring to autumn
	Juncus	kraussii	sea rush	yes		0.5 to 1	0.5 to 1	resistant	brown	frequent
	Juncus	pallidus	pale rush	yes		0.5 to 2	0.5 to 2	resistant	brown	spring to summer
	Juncus	pauciflorus	loose-flower rush	yes		0.5 to 1	0.5 to 1	resistant	brown	summer
Bulbs and lilies	Dianella	<i>revoluta</i> var. revoluta	black-anther flax-lily	² buzz pollinated	no	0.3 to 1	0.5 to 2	resistant	blue	spring to summer
Climber (outside vineyard)	Hardenbergia	violacea	native lilac	yes	yes	climber	3 to 4	moderately sensitive	purple	winter to spring

² **Buzz pollination:** Some native bees use a special pollination technique called 'buzz pollination' (sonication) i.e. the bluebanded 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.

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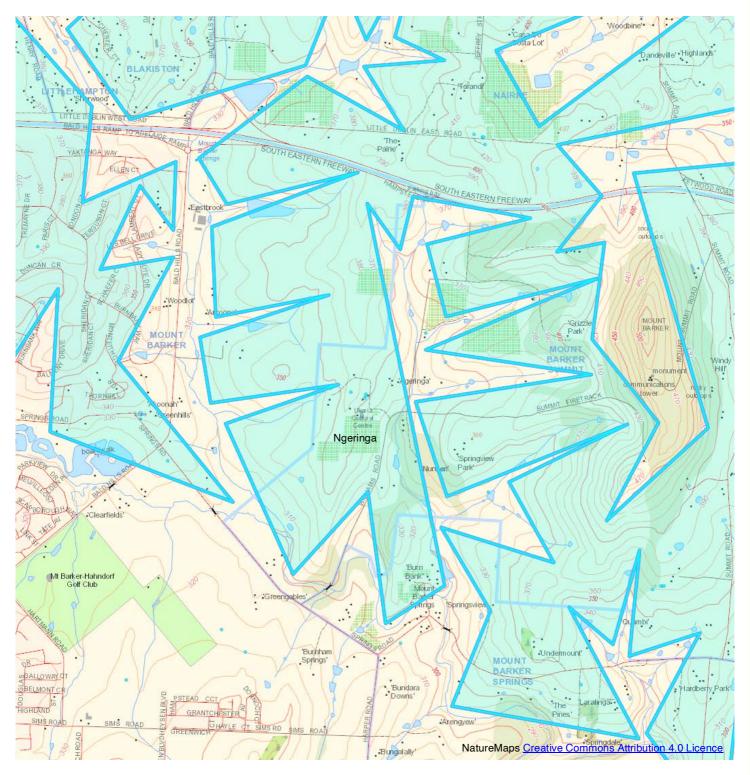
In addition, a recent desktop review of plants native to South Australia identified a broader suite of locally-adapted native plants which are regarded as having the capacity to provide insectary benefits and may hold widespread appeal. They include wild rosemary, *Dampiera rosmarinifolia*, clasping 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.



SA blue gum, *Eucalyptus leucoxylon* ssp. leucoxylon woodland (H10) (AP0003PE) (SE0008PE) plant species list

Description: Eucalyptus *leucoxylon* ssp. leucoxylon woodland over a grassy and herbaceous understorey and sparse cover of shrubs (eg. *Cheilanthes austrotenuifolia*, *Themeda triandra*, *Lomandra multiflora* ssp dura, *Dodonaea viscosa* ssp. spathulata, *Acacia paradoxa*, and *Gonocarpus elatus*)

EcoVineyards site: Ngeringa

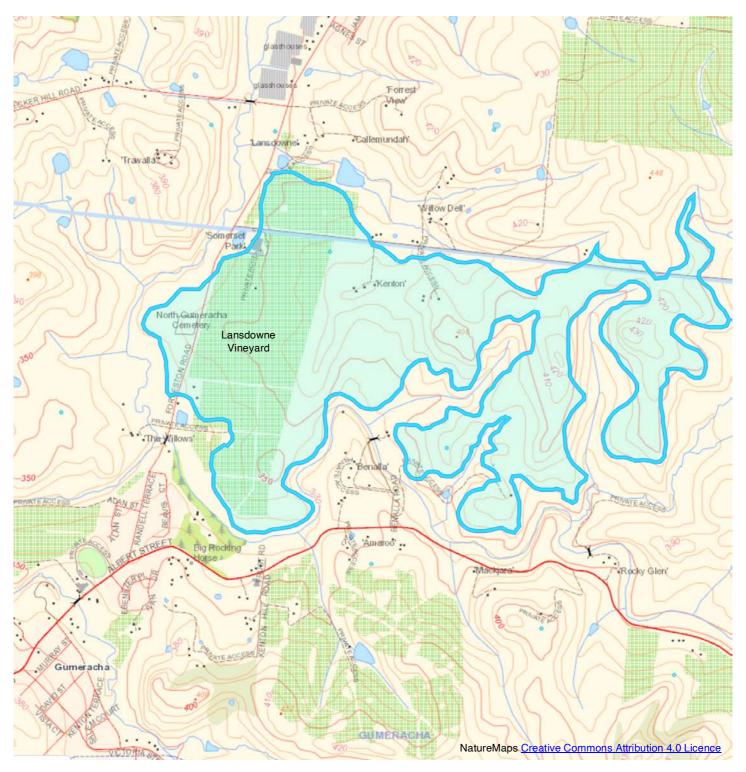




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EcoVineyards site: Lansdowne Vineyard









SA blue gum, Eucalyptus leucoxylon ssp. leucoxylon woodland species list

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	•		Common	Floral res	ources	Height	Width	Tolerance to	Flo	wer	Flowering
Habit	Genus	Species	name	Pollen	Nectar	(m)	(m)	frost	co	lour	time
	Acacia	pycnantha	golden wattle	yes	¹yes	4 to 6	2 to 6	moderately sensitive	ye	llow	winter to spring
	Allocasuarina	verticillata	drooping sheoak	yes	no	5 to 8	4 to 6	resistant	r	ed	autumn to winter
	Banksia	marginata	silver banksia	yes	yes	2 to 8	1 to 5	resistant	ye	llow	spring to autumn
	Eucalyptus	camaldulensis ssp. camaldulensis	river red gum	yes	yes	20 to 30	10 to 15	resistant	wł	nite	summer
Tree	Eucalyptus	fasciculosa	pink gum	yes	yes	5 to 18	5 to 12	moderately sensitive	cre	eam	summer to autumn
	Eucalyptus	<i>leucoxylon</i> ssp. leucoxylon	SA blue gum	yes	yes	8 to 30	8 to 25	moderately sensitive	cream	pink	autumn to winter
	Eucalyptus	microcarpa	grey box	yes	yes	6 to 20	8 to 20	resistant	cre	eam	summer to winter
	Eucalyptus	viminalis ssp. cygnetensis	rough barked manna gum	yes	yes	6 to 20	8 to 20	moderately sensitive	wl	nite	summer to autumn
	Pittosporum	angustifolium	native apricot	yes	yes	4 to 8	3 to 4	moderately sensitive	cre	eam	spring
	Acacia	acinacea	wreath wattle	yes	¹yes	1 to 2	1 to 2	resistant	ye	llow	winter to spring
	Acacia	cupularis	coastal umbrella bush	yes	¹yes	2 to 3	2 to 3	moderately sensitive	ye	llow	spring
	Acacia	paradoxa	prickly wattle	yes	¹yes	2 to 4	3 to 4	moderately sensitive	ye	llow	spring
	*Bursaria	spinosa	Christmas bush	yes	yes	2 to 4	1 to 3	resistant	wł	nite	late spring to late summer
	Daviesia	leptophylla	narrow-leaf bitter-pea	yes	yes	1 to 2.5	1 to 2	moderately sensitive	red	orange	spring
	Dodonaea	<i>viscosa</i> ssp. spatulata	sticky hop bush	yes		2 to 4	2 to 4	resistant	insigr	nificant	spring to autumn
	Eutaxia	microphylla	mallee bush- pea	yes	yes	0.5 to 2	2 to 2	moderately sensitive	brown	yellow	spring
Shrub	Goodenia	amplexans	clasping goodenia	yes	yes	0.5 to 1.2	0.5 to 1	moderately sensitive	ye	llow	spring to summer
	Grevillea	<i>lavandulacea</i> ssp. lavandulacea	heath grevillea	yes	yes	1 to 1.5	2 to 3	resistant	r	ed	winter to spring
	Hakea	carinata	erect hakea	yes	yes	1.5 to 3	1 to 2.5	moderately sensitive	wl	nite	spring
	Hakea	rugosa	dwarf hakea	yes	yes	1 to 2	1 to 2	moderately sensitive	wl	nite	winter to spring
	Hibbertia	riparia	bristly guinea flower	² buzz pollinated	no	0.1 to 0.5	0.3 to 0.8	moderately sensitive	ye	llow	spring
	*Leptospermum	myrsinoides	silky tea-tree	yes	yes	1 to 4	1 to 4	resistant	wl	nite	spring
	Olearia	ramulosa	twiggy daisy- bush	yes	yes	1 to 1.15	1 to 2	resistant	white	pink	spring to summer
	Pultenaea	largiflorens	twiggy bush- pea	yes	yes	1 to 1.5	0.5 to 1.5	moderately sensitive	wl	nite	winter to spring
	Thomasia	petalocalyx	paper flower	² buzz pollinated	no	0.6	0.6 to 1	moderately sensitive	pink	purple	spring to summer





SA blue gum, Eucalyptus leucoxylon ssp. leucoxylon woodland species list - continued

Habit	Genus	Species	Common name	Floral res	ources Nectar	Height (m)	Width (m)	Tolerance to frost	Flo		Flowering time
	Lomandra	densiflora	pointed mat- rush	yes	yes	0.2 to 0.6	0.2 to 0.6	resistant	gre	en	winter to summer
	Lomandra	micrantha	small-flower mat-rush	yes	yes	0.2 to 0.8	0.2 to 0.9	resistant	wh	ite	autumn to spring
Strap leaved	Lomandra	<i>multiflora</i> ssp. dura	hard mat- rush	yes	yes	0.2 to 0.8	0.75	resistant	cre	am	winter to summer
louvou	Xanthorrhoea	quadrangulata	Mount Lofty grass tree	yes	yes	1 to 2.5	0.5 to 1.5	resistant	cre	am	autumn to winter
	Xanthorrhoea	<i>semiplana</i> ssp. semiplana	grass tree	yes	yes	1 to 3	1 to 2	moderately sensitive	cre	am	winter to spring
Sedges and rushes	Juncus	pauciflorus	loose-flower rush	yes	no	0.5 to 1	0.5 to 1	resistant	bro	wn	summer
	Aristida	behriana	brush wire- grass	yes	no	0.15 to 0.3	0.2 to 0.3	resistant	cre	am	spring to summer
	Austrostipa	elegantissima	elegant spear grass	yes	no	1	1	resistant	green	brown	spring to summer
	Austrostipa	nodosa	tall spear grass	yes	no	0.5 to 1	0.5 to 1	resistant	green	brown	spring to summer
	Chloris	truncata	windmill grass	yes	no	0.3 to 0.5	0.2 to 0.5	resistant	cre	am	spring to summer
	Goodenia	blackiana	native primrose	yes	yes	0.1 to 0.2	0.2 to 0.5	moderately sensitive	yell	ow	winter to spring
	Goodenia	pinnatifida	cut-leaf goodenia	yes	yes	0.4	0.1	moderately sensitive	yell	ow	spring to summer
	Kennedia	prostrata	scarlet runner or running postman	yes	yes	0.1	1.5 to 4	moderately sensitive	re	ed	winter to spring
	Microlaena	stipoides var. stipoides	weeping rice-grass	yes	no	0.1 to 0.7	0.2 to 1	moderately sensitive	cre	am	spring to summer
Ground cover	Poa	labillardieri	common tussock- grass	yes	no	0.5 to 1	0.3 to 0.7	resistant	gre	en	spring to summer
	Pultenaea	pedunculata	matted bush-pea	yes	yes	0.1	1 to 3	moderately sensitive	yellow	orange	winter to spring
	*Rytidosperma	auriculatum	lobed wallaby grass	yes	no	0.2 to 0.7	0.1 to 0.2	resistant	cre	am	spring
	*Rytidosperma	caespitosum	common wallaby grass	yes	no	0.2 to 0.8	0.1 to 0.3	resistant	cre	am	spring
	*Rytidosperma	setaceum	small- flowered wallaby grass	yes	no	0.2 to 0.6	0.1 to 0.3	resistant	cre	am	spring to summer
	Scaevola	albida	pale fan flower	yes	yes	0.3 to 0.6	0.6 to 1	resistant	wh	ite	All year
	Themeda	triandra	kangaroo grass	yes	no	0.4 to 1	0.5 to 1	resistant	bro	wn	frequent
Bulbs	Dianella	longifolia	pale flax-lilly	² buzz pollinated	no	0.5 to 0.8	0.5 to 1	resistant	blu	ne	spring to summer
and lilies	Dianella	<i>revoluta</i> var. revoluta	black-anther flax-lily	² buzz pollinated	no	0.3 to 1	0.5 to 2	resistant	blu	ne	spring to summer
Climber (outside vineyard)	Hardenbergia	violacea	native lilac	yes	yes	climber	3 to 4	moderately sensitive	pur	ple	winter to spring

¹Acacia 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 bluebanded 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.







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

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 Christmas bush, *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 native to South Australia 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 semibaccata*.

More information?

If you would like to find out more information about individual plants. Visit the Botanic Gardens of SA 'Plant Selector' http://plantselector.botanicgardens.sa.gov.au. Enter your postcode and press search. View the results and export data to retain a copy. The Excel spreadsheet contains detailed notes about each plant and its suggested uses.

Useful links

Native plant nurser	ies			
Company	Contact	Address	Contact details	Website
Goolwa to Wellington Local Action Planning Association	Ben Simon	Kessell Rd (next to council depot), Goolwa, SA	M: 0418 828 949 E: ben.simon@gwlap.org.au	http://www.gwlap.org.au/what- we-do/alexandrina- community- nursery/
Barossa Bushgardens	Pam Payne	635 Research Rd, Nuriootpa, SA	M: 0448 676 348 (Tues or Thurs) T: (08) 8563 8330 (Tues or Thurs) E: bushgardens@barossa.sa.gov.au	https://barossabushgardens. com.au/community-nursery
Future Generation Natives	Kate Constable	Mount Torrens, SA	M: 0418 844 240 E: kate@futurenatives.com.au	www.futurenatives.com.au
Kersbrook Landcare Nursery	Heidi Pitman	176 South Para Rd Williamstown, SA	M: 0431 989 397 E: klg@landcaregroup.org.au	www.kersbrook.landcare group.org.au
State Flora Belair		In Belair National Park (free entry - instructions at main gate), SA	T: (08) 8278 7777 E: denrstatelfora@sa.gov.au	www.stateflora.sa.gov.au
Trees for Life Westwood Nursery	Brett Oakes	5-7 May Terrace, Brooklyn Park (Cnr Sir Donald Bradman Dr & May Tce), SA	T: (08) 8406 0500 E: info@treesforlife.org.au	https://treesforlife.org.au
Suppliers of native	seeds and/or	native grass sowing s	ervices	
Company	Contact	Address	Contact details	Website
Blackwood Seeds	Phil Druce	Inman Valley, SA	M: 0427 588 288 E: <u>bwseeds@activ8.net.au</u>	N/A
Native Seeds Pty Ltd	Darren Vincent	Great Alpine Rd Eurobin, Vic	T: 1300 473 337 E: enquiries@nativeseeds.com.au	www.nativeseeds.com.au
Seeding Natives Incorporated	Andrew Fairney	Mount Pleasant, SA	M: 0477 307 577 E: andrew@seedingnatives.org.au	www.seedingnatives.org.au

You can find a local native plant grower from this native plant nurseries list https://cdn.environment.sa.gov.au/landscape/docs/hf/190722-native-nursery-list.pdf







Continue your search for useful information here

- Australian National Botanic Gardens https://www.anbg.gov.au/search/index.html
- Backyards4Wildlife <a href="https://www.landscape.sa.gov.au/hf/our-priorities/nature/native-plants-and-animals/native-plants-nature-plants-and-animals/native-plants-nature
- · Botanic Gardens of SA plant selector http://plantselector.botanicgardens.sa.gov.au
- Butterfly Conservation South Australia Inc. https://butterflyconservationsa.net.au/butterflies/attract/find-plants/
- Kersbrook Landcare Group 'Focus on Flora' book http://kersbrook.landcaregroup.org.au/articles/about_book.html and pictures of available plants https://my-site-105083-109812.square.site/shop/15
- Natural Resources Adelaide and Mount Lofty Ranges Native grasses: A regional guide https://cdn.environment.sa.gov.au/landscape/docs/hf/native-grasses-2017.pdf
- Seeds of South Australia https://spapps.environment.sa.gov.au/SeedsOfSA/scientificsearch.html
- State Flora catalogue https://www.stateflora.sa.gov.au/buy-plants/how-to-order/catalogue

Thank you to our project partners!























































Acknowledgement of country

The EcoVineyards project 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.

The Peramangk and Kaurna people are the traditional custodians of the Adelaide Hills region and have an ongoing connection to the land.

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