Traditional

Bush Tucker

Plant

Fact Sheets

Acknowledgements: We would like to acknowledge the traditional Noongar owners of this land and custodians of the knowledge used in these Fact Sheets.

Illustrations and photos by Melinda Snowball, Deb Taborda, Amy Krupa and Pam Agar.





Used as medicine



Used as resources





Australian Bluebell



Scientific name: Billardiera heterophylla

Aboriginal name: Gumug (Noongar)









Plant habit

Leaf and stem

Flower

Fruit

About ...

This plant relies on birds to eat the fruit and then disperse the seeds. The seeds then germinate to produce a new plant.

Australian bluebells are a common bushland plant of the south west of Western Australia. This plant has been introduced to the Eastern States, where it is considered a weed; as it forms a thick mat over the native vegetation.

The plant contains toxins which can cause nausea and skin irritation, so wear gloves if handling it. (Eurobodalla Shire Council)

Aboriginal Uses

• The fleshy blue berries can be eaten when ripe and are quite sweet with a soft texture

Family PITTOSPORACEAE

Climate Temperate

Habitat Open forest and woodland areas

orm Small shrub; twiner Height: up to 1.5 m

Foliage Long, leafy stems which twist around

themselves or nearby plants Glossy green, leathery leaves

Length: 50 mm

Flower Birak to Bunuru (Summer) but can flower

all year around Intense blue Bell-shaped

Occur in clusters of two or more flowers

Length: up to 10 mm

Fruit Follow on from the flower

Greenish-blue fruits Length: up to 20 mm Cylindrical in shape Contain many sticky seeds

Developed by **SERCUL** for use with the *Bush Tucker Education Program* 2014.



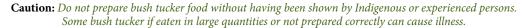












Bloodroot



Scientific name: Haemodorum spicatum

Aboriginal name: Mardja (Noongar)









Plant habit

Plant

Flower

About ...

The Bloodroot is related to the Kangaroo Paws and grows as scattered individuals or in small groups.

Three species of Bloodroots were eaten by local Noongar people.

The plant was called 'Bloodroot' because of the colour which oozes from the root when it is cut. The unusual chemicals that cause the reddish-orange colour are not found anywhere else in the plant kingdom. One of these chemicals is being researched by pharmaceutical companies due to its antibacterial and antitumour properties.

The flowers are 'Pollinated by native bees which are strong enough to push open the petals, diving head first into the flower to collect the pollen and copious nectar.' Bush Tucker Plants of the South-West.

Aboriginal Uses

- Has a red-coloured root system that is edible and is said to taste like pepper/chilli
- Eaten either raw or roasted; may be pounded and added to dishes to make them spicy
- Used to help with dysentery (diarrhoea)
- The reddish-orange colour in the roots were used as a dye

Family HAEMODORACEAE

Climate **Temperate**

Form

Woodlands and heathlands of south Habitat western Australia

> Grass-like shrub Height: 0.3 – 2 m

Foliage Produces 2 – 3 round tough green leaves

about 600 mm long each year

Long and slender

Turn black as they get older

Kambarang to Bunuru (Spring and Summer)

Flowering spike to 2 m

Black flowers

One flower spike per plant

Flowers never open

Fire stimulates flowering













Bļueberry



Scientific name: Dianella revoluta

Aboriginal name: Mangard (Noongar)







Plant habit Berries Open flower

About ...

A hardy evergreen plant which grows in clumps. It sends out horizontal roots (rhizomes) which then send up shoots for a new plant. It can form large, spreading colonies. After fire, plants can regrow from rhizomes under the ground and quickly re-colonise areas.

It is a very hardy plant which is drought and frost resistant. Blueberry Lily grows in many different conditions, in sclerophyll, woodland and mallee forests and is native to the South West of WA and across all other states of Australia except the Northern Territory. The wiry stems, which rise above the foliage, branch into several stems, each with a flower. The flowers open one at a time and last for one day.

It grows in most soil types; however, it prefers soil high in nutrients.

Aboriginal Uses





Flower

- Fruits can be eaten raw; they have a sweet flavour which becomes nutty when seeds are chewed
- Roots can be pounded, roasted and then eaten
- Leaves are used to make string and cord for binding

Family HEMEROCALLIDACEAE

Temperate to dry Climate

Provides a good understorey in moist Habitat forests, dry woodlands, rainforests and

along coastal dunes

Clumping Height: 1 m

Width: 1.5 m

Strappy, grass-like leaves **Foliage**

Very tough

Grow to about 140 mm long

Kambarang to Bunuru (Spring to Summer)

Small, purple, blue or lilac

Six petals with a yellow and black centre

Rise above the foliage on wiry stems

Birak (December to January) Pale or dark blue-purple

Round in shape

Size: 5 – 15 mm

Fleshy with 3 to 4 small, black seeds

Seeds dispersed by birds















Bottlebrush

Scientific name: Callistemon sp.

Aboriginal name: Birdak (Noongar)









Plant habit

Flower

Flower bud

Habitat

Foliage

Fruiting capsules

About ...

There are about 20 Callistemon species native to Australia with only two of these native to Western Australia, C. glaucus and C. phoeniceus. C. phoeniceus is called 'Birdak' by the Noongar people.

They mainly grow along creeks because they need Form plenty of water. Even though they like water, most species are frost and drought tolerant. They are closely related to paperbarks (melaleucas) which like to have their feet wet for part of the year.

The flowers can be spectacular and are very appealing Flower to nectar-feeding birds and insects.

Botanist, Joseph Banks, introduced the Crimson Bottlebrush (Callistemon citrinus) to Britain in 1789. Soon after this, the bottlebrush become a very popular garden plant. It is an easy care and hardy plant, making it very easy to look after in any home garden.

Fruit

Aboriginal Uses

- Flowers are sucked for their nectar
- Flowers can also be made into a sweet drink when soaked in water

Family MYRTACEAE

Climate Tropical to temperate

> Damp or wet conditions along creek beds or in areas which are prone to floods

Shrub or small tree Height: 0.5 m - 4 m

Long, narrow mid-to-dark green leaves Very tough and can be spiky

Kambarang to Bunuru (Spring and Summer) Dense cylindrical spikes or brushes made up of many individual flowers Pollen forms on the tip of the long coloured stalks Colours include red, pink, white, yellow and mauve

Each flower produces a small woody fruit containing hundreds of tiny seeds Form in clusters along the stem The seeds are usually not released from the fruits for several years, but in some species the fruits open after about a year

Developed by SERCUL for use with the Bush Tucker Education Program 2014.













Bull Banksia



Scientific name: Banksia grandis

Aboriginal name: Poolgarla (Noongar)









Plant habit

Flower spike

Leaf growth

Seed cone

About ...

There are about 73 species of banksia, of which 58 are native to the south-west of Western Australia. They like to grow in poor sandy soils. They are named after Sir Joseph Banks, the English Botanist, who came with Captain Cook to explore Australia around 1770.

The leaves and flowers of the Bull Banksia are the largest of all the banksias. In 1843, Lieutenant Richard Dale witnessed 'natives gathering the flowers and extracting a sweet juice resembling honey' near what is now called Albany.

The seed cone releases the seed and a new plant will establish from seed. However, the plant grows very Foliage slowly and can live as long as 150 years.

Family

PROTEACEAE

Climate **Temperate**

Jarrah forests of the Darling Range and Habitat

coastal Tuart woodlands

Form Shrub

> Height: 1.5 m Width: 3 m

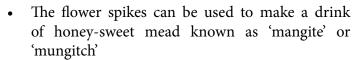
Large tree Height: 10 m Width: 3 m

Long (up to 450 mm), mid-to-dark green Held in clumps

Triangular lobes along a central spine

Very tough

Aboriginal Uses



The nectar can also be sucked directly from the flower

Grubs which burrow into the flower spikes can be gathered and eaten

Seed cones were used to carry smouldering coal when travelling Developed by SERCUL for use with the Bush Tucker Education Program 2014.

Flower

Kambarang to Birak (Spring to mid-summer) Large flower spikes up to 400 mm Pale yellow

Seeds in woody capsules













Bulrush



Scientific name: Typha domingensis

Aboriginal name: Yangeti (Noongar)











Plant habit

Flower (young and mature) Base of stem

Root

About ...

Also known as 'Narrow Leaf Cumbungi'.

There are two species of Bulrush found in the Perth area, the native Typha domingensis and the introduced *Typha orientalis.*

Bulrush is a common native plant found in many healthy waterways. It captures silt and sediments, stabilises channels, provides habitat for native animals especially birds, is an important part of the instream food web and slows the flow rate of water reducing erosion. However, in waterways that have suffered impacts from settlement, the introduced Typha Flower orientalis can become a serious weed. It thrives in shallow, poor-quality water with high nutrient and sediment loads.

Aboriginal Uses

- Roots are eaten after being treated by pounding the white rhizomes to remove the fibrous parts, Seed then moulding the remaining paste and roasting into cakes that taste like asparagus
- Centre of the stem at the base is edible
- Young flowering spikes are eaten raw or cooked though the hard centre of the spike is inedible.

Family TYPHACEAE

Climate Temperate to tropical

Permanent and ephemeral freshwater Habitat

wetlands, creeks and rivers

Large clumping plant Form

Height: 1 – 3 m

Foliage Long, strap-like leaves

Length: up to 2 m Width: up to 20 mm

Birak to Bunuru (Summer)

Separate male (upper) and female (lower)

flowers on one spike

Female spike: 120 - 400 mm long; 20 mm

diameter

Male spike: 150 – 350 mm long; 5 – 10

mm diameter Light brown

Follows from flower

May produce up to 200 000 seeds

Small; fluffy

Dispersed by wind or water

Developed by SERCUL for use with the Bush Tucker Education Program 2014.



Used as food



Used as medicine







Christmas Tree



Scientific name: Nuytsia floribunda

Aboriginal name: Mooja (Noongar)







Plant habit Foliage Flower

About ...

The Christmas Tree is a hemiparasitic plant, which means its roots attach themselves to the roots of other plants to get nutrients from a host plant.

This tree is related to the mistletoe; however, it has its own root system in the ground.

They are known as Christmas Trees due to their spectacular show of golden flowers around Christmas Form time.

According to Noongar people, when a person dies, their spirit inhabits a Christmas Tree, so its leaves should Foliage be taken inside a house or camp shelter, lest the spirit becomes trapped. The flowers; however, can be used as decoration.' Bush Tucker Plants of the South-West

Family

LORANTHACEAE

Climate **Temperate**

Habitat Indigenous to south-west Western Australia from Kalbarri to Israelite Bay and inland to near Kellerberrin

Forests, woodlands and coastal plain

Medium tree Height: 10 m Bark is grey to dark brown

Long, narrow leaves

Dull green to bluish-green

Birak (December) Bright golden flowers

Dense sprays arranged in threes on a long

stem

More stamens than petals

Inedible (not to be eaten) Dry, brown in colour Light and winged

Aboriginal Uses

- The roots have edible suckers that are juicy and succulent with a bitter or sweet taste
- Flowers are soaked in water to make a sweet drink
- Wood was used for shields, after taking the wood, families would return to eat the raw, sweet gum that oozed from the wounded tree

Frmit

Flower

Carried on the wind

South East Regional Centre for Urban Landcare

www.sercul.org.au/bushtucker.html

Used as food



Used as medicine



Used as resources





Coastal Pigface



Scientific name: Carpobrotus virescens

Aboriginal name: Bain (Noongar)





Foliage



Plant habit Foliage Flower

About ...

Living in coastal conditions, this plant is able to tolerate moving sand. It goes between being covered by sand or having the sand around it blown away. It has evolved to cope with such harsh conditions. It is a great plant to stabilise coastal sand dunes. Carpobrotus edulis, commonly found in tuart and banksia woodlands, is a pigface species from South Africa that is now considered naturalised in the Perth Region.

After flowering, the petals fall off and the fruiting base of the flower swells to produce the purplish-red fruit. The fruit is highly regarded by local Aboriginal people

who freely eat it when it becomes available. Early Flower European settlers also enjoyed the fruit, adding it to their meagre diet and making jam out of it.

Family AIZOACEAE

Climate **Temperate**

Beaches, dunes, cliffs and inland areas of Habitat

south-west Australia

Form Low ground cover

Long branches to 2 m long

Thick, triangular shape Grow from red stems Sometimes has red tinges Approximately 10 – 30 mm long

Djilba (August to September) Bright pink-to-purple with yellow centre Turning yellow as the flower ages Many long, fine petals

Birak (around Christmas time) Purplish-red outside, white pulpy flesh

Tastes similar to a zucchini

Aboriginal Uses

www.sercul.org.au/bushtucker.html

- After flowering, the plant produces fruit with a juicy centre of seeds in a white pulp which can be eaten fresh or dried.
- The juice from the leaves can be used to treat stings, scalds and burns
- Leaves are also boiled and eaten as greens

Developed by **SERCUL** for use with the *Bush Tucker Education Program* 2014.





Used as medicine







Coastal Sword Sedae

Scientific name: Lepidosperma gladiatum

Aboriginal name: Kerbein (Noongar)







Plant habit

Base of leaf

About ...

The Coastal Sword Sedge is also known as 'kerbein'. It was first described by French botanist Jacques Labillardière in the early 1800s, after he visited the south-west of Western Australia while on a voyage to explore Oceania. This plant also grows in South Form Australia, Victoria, New South Wales and Tasmania.

The strong leaves are ideal for weaving, making strong rope and string for many different purposes. The toughness of the leaves also helps to protect the plant from salt near coastal areas.

Family

CYPERACEAE

Climate Coastal, temperate

Habitat

Coastal sand dune areas, coastal woodlands and in tuart forests

Clumping plant Height: up to 1.5 m Width: up to 1.5 m

Sends out underground stems which

form new plants

Foliage

Sword-like leaves approximately 25 mm

wide

Long, rigid stems

Dark green and thicker at the centre

Very tough

(shelter) **Flower**

Leaves used to make rope and string for Mia Mia

raw or roasted

Aboriginal Uses

The white base of the leaf is edible and can be eaten

Kambarang to Bunuru (Spring to Summer)

One or two brown flowers on spikelets

among foliage

Grow to about 8 mm

Plants in wetter areas are more succulent

Fruit

Birak to Bunuru (January, February, March)

Small oval nut about 3 mm long

Pale-to-dark brown















Desert Lime

Scientific name: Citrus glauca

Aboriginal name: Unknown







Plant habit (juvenile)

Leaf and stem

Fruit

Flower

RUTACEAE

About ...

The Desert Lime is part of the citrus family (orange, lemon, lime, grapefruit).

The young Desert Lime is a thorny plant; however, as it matures, the thorns disappear. It begins to produce fruit when the plant is about four years old. The mature plant generally produces a large number of fruits. The fruit has a soft rind and juicy pulp.

Due to its ability to grow in semi-arid areas, Desert Lime is of interest as a grafting rootstock to possibly extend the range of commercial citrus crops. There is also potential for breeding to develop new citrus varieties. They are tolerant of heat, frost, drought and salinity.

Family

Climate Semi-arid

Habitat

Dry forest, scrub and along creek lines in arid parts of Queensland, New South Wales and South Australia

Form

Shrub or small tree Height: 2 – 6 m

Foliage

Tough, light grey-to-green leaves

Length: 50 mm Width: 5 mm

Leaves fall off during dry periods

Flower

Fruit

Kambarang (Spring)

White flowers with a citrus aroma

Kambarang to Birak (late Spring and Summer)
Small, lime green-to-yellow rounded

fruits

Length: 10 – 20 mm

Sour taste

Aboriginal Uses

- The fruits are edible and can be eaten whole, having a strong citrus flavour with a bitter aftertaste
- The fruits can be used in drinks, marmalades, jams, dipping sauces, simmer sauces and desserts







Used as medicine



Used as resources





Emu Plum



Scientific name: Podocarpus drouynianus

Aboriginal name: Koolah (Noongar)





About ...

This species, also called Emu Bush or Wild Plum, is related to conifers and has male and female parts on separate plants.

Emu Plums produce the largest edible fruits in the South West of Australia. Emus eat the fruit, then pass the seed out in their scat. From this, a new plant is able to grow.

It is able to survive and regenerate after fire and is able to re-establish itself in disturbed areas. This makes it a very hardy plant.

Its habitat is restricted to the south-west of Western Australia, with small clusters occurring near Perth.

Its foliage is now widely used in the cut flower industry.

Family PODOCARPACEAE

Climate Temperate

Habitat Jarrah and Karri forests

Lower slopes or lowlands near streams

Form Shrub or tree Conifer like

Multi-stemmed from ground level

Height: 3 m

Foliage Narrow, pale green leaves

Needle-like

Length: 40 - 80 mm

uit Djilba to mid-Djeran (August to April)

Female plant produces the fruit

Berry-like cones with a fleshy, edible

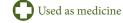
purple fruit (grape like)

Approximately 20 – 25 mm long

Aboriginal Uses

• The large flavourless fruit can be eaten



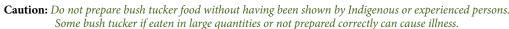












Grass Tree



Scientific name: Xanthorrhoea preissii

Aboriginal name: Balga (Noongar)









Plant habit

Flower Spike

Flowers

Flower Stalk

About ...

The Grass Tree is native to the south-west of Western Australia and has been used by the local Noongar people for thousands of years.

The plants are resistant to fire, which is known to stimulate flowering. The blackened trunks can resprout within a few months of a fire. Coloured bands caused by melting resin along the stems of Grass Trees can be used to age plants.

Grass Trees only grow between 10 - 20 millimetres each year.

Aboriginal Uses

- Gum from flowering spikes can be made into cakes
- Flowers can be used to make a sweet drink
- Dead flowering spikes used to make fire or used as spear shaft
- Bardi grubs are collected from trunks of dying trees
- The black resin from the trunk can be used as an adhesive to attach spear heads to a shaft or to start a fire
- Bunches of dried leaves were made into torches
- Leaves used as thatching material for the roof of a hut

Family XANTHORRHOEACEAE

Climate **Temperate**

Habitat Ranges, coastal plains and watercourses on grey/black sands, loam or gravelly clay

Medium tree Height: 5 m

> Trunk is formed from old leaf bases and is often crooked

May branch into several crowns of foliage

Long, slender brittle leaves

Diamond shaped

Medium green, changing to brown

Kambarang to Birak (November to January)

One flower spike per crown

Grows to 3 m

Thousands of small white flowers produced on each flower spike

Pollinated by insects

Developed by SERCUL for use with the Bush Tucker Education Program 2014.

Foliage













Harsh Hakea



Scientific name: Hakea prostrata

Aboriginal name: Janda (Noongar)







Plant habit Flower Woody fruit

About ...

There are about 120 species of Hakea in Australia with 80 species native to the south-west of Western Australia.

Hakeas are named after the German botanical patron, Baron von Hake (1745 - 1818).

Harsh Hakea gets its name from its prickly leaves. It is one of Perth's toughest plants and if damaged will resprout readily. The seedlings are hardy.

Species native to areas where fire regularly occurs often have a 'lignotuber'. This is a woody swelling at or below ground level from which the plant can regenerate if the above ground stems are destroyed. However, this species of Hakea does not have lignotubers.

Family PROTEACEA

Tropical, temperate and arid Climate

Habitat Heathlands with medium to low trees, hill slopes, granite outcrops, coastal dunes, floodplains and winter-wet flats

Form Shrub or small tree

Can grow upright or low to the ground

Height: 0.3 - 5.0 m Width: 1.5 - 2.0 m Bark rough, grey-brown

Leaves alternate on each side of the stem

Oval shaped, flat and prickly

Length: 20 – 70 mm Width: 5 – 50 mm

Aboriginal Uses

- The woody fruits are placed in an open fire, then the seeds are eaten
- They are said to taste like roasted almonds
- The bark was burnt into a white ash that was used to heal wounds
- The nectar was used to make a sweet drink

Flower

Fruit

Foliage

Makuru to Kambarang (Winter to Spring) Small, occurring in clusters White-to-cream with honey-like nectar

Insect and bird attracting

Follow on from flowers Tough, woody exterior Open once a year to release the seed Winged seed contained inside Seed is 18 – 20 mm long













Lilly Pilly

Scientific name: Syzygium australe

Aboriginal name: Galang-arra (NSW)







Plant habit New leaf growth Fruit

About ...

This Lilly Pilly, also known as the Brush Cherry, is native to eastern Australia. There are 52 species of lilly pilly in Australia and they all have edible fruit.

It is a hardy tree growing in most temperate and subtropical climates in most states of Australia. It grows well in sandy soils however, prefers rich, moist soils. They are moderately frost tolerant and grow well on the coast.

Lilly pillies were one of the first native fruits that the European settlers ate. The ripe fruits contain large amounts of vitamin C.

Family MYRTACEAE

Climate Subtropical to temperate

Habitat Coast regions, rainforests, along creeks southern NSW to central Queensland

Bushy shrub or small tree Form

Flaky bark

Height: 3 – 10 m

Width: 2 – 3 m

Foliage Glossy, deep green

Oval in shape

Leaves grow in pairs on opposite sides of

New growth is red in colour

Aboriginal Uses

- They have succulent fruits with a tangy, acidic flavour
- Indigenous people ate the ripe fruit raw
- European settlers made the fruit into jam, jelly, sauces, preserves and wine

Flower

Mostly Djilba to Kambarang (Spring)

White petals about 4 – 6 mm long

Open to white stamens about 15 – 20 mm

long

Follows flowers

Pinky-red oval shaped

Length: 10 - 20 mm Contains a seed



Used as food











Macadamia

Scientific name: Macadamia integrifolia

Aboriginal name: Boombera (NSW)







Nuts Flower spikes

About ...

Plant habit

Macadamia's are native to the south-east of Queensland and the north-east of New South Wales; however, this plant does really well in the clay soil along the Swan and Canning Rivers and north to Carnarvon. It thrives in nutrient-rich, moist soil.

The average trunk diameter is around 300 mm. Form The root system is dicot; producing a tap root upon germination followed by lateral roots to stabilise the plant.

It takes around 185 days for the nuts to mature. The macadamia tree can have flowers, nutlets and mature nuts growing simultaneously, for most of the year.

This evergreen was once considered the only Australian native plant ever developed as a commercial fruit crop. In 1927, Herbert Ramsey (nurseryman) fulfilled an order for 10 000 macadamia seeds for the United States.

Aboriginal Uses

- Nuts are eaten raw or after cooking and can be used in many food dishes
- They are prized for their high energy and fat content

Family PROTEACEAE

Habitat

Foliage

Flower

Nut

Climate Subtropical to warm temperate

Rainforests of northern NSW and southern Queensland. Can be grown from Perth to Carnaryon.

Tall tree with a smooth trunk

Height: 8 – 20 m Width: 4 – 10 m

Tough, glossy, deep green leaves growing to about 200 mm

Leaves have spines along the edges
Grow in circular groups of three
New growth is pale green with purple tips

Kambarang to Bunuru (Spring to Summer) Creamy white, drooping feather flower spikes to about 250 – 300 mm long Sweet smelling Pollinated by bees

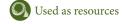
Djeran to Djilba (Autumn to Winter) Shiny brown spherical shaped measuring 20 – 30 mm in diameter Very hard

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Used as food









Maroon Bush



Scientific name: Scaevola spinescens

Aboriginal name: Murin Murin (Noongar)





Plant habit Flower Berries

About ...

Also called the 'Prickly Fan Flower'. This plant is found Climate in all mainland Australian States except Victoria.

Young growth is soft and hairy; older, established plants have a prickly foliage.

From the late 1940's to the late 1980's there was considerable interest in the Maroon Bush in Western Australia. Towards the end of this period, and for more than a decade, the Western Australian Health Department supplied the 'bush tea' to cancer patients. It was effective in reducing the negative side effects of other treatments like chemotherapy. It is now well **Flower** known that chemical compounds within the tea have a positive influence on the mood and wellbeing of people taking it. Its use in WA is now 'Prescription' Only, and the plant is a protected species.

Aboriginal Uses

- The tea like extract was traditionally used by Aboriginal people for the treatment of cancer, heart disease, intestinal trouble, urinary problems, kidney trouble and general illnesses
- Roots were boiled in water; the infused water was then drunk to reduce pains in the digestive system

Family GOODENIACEAE

Semi arid

Sandplains, scrublands Habitat

Form Medium-sized shrub

Height: up to 2 m

Foliage Thin, long oval leaves

Come off the main stem in clusters

Length: 9 – 36 mm Width: 1 - 6 mm

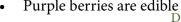
Most of the year

Creamy white to yellow

Petals spread open like a fan in a semicircular shape rather than a full circle,

like most flowers

Follows from flower Small purplish oval berries Contain a single seed Length: 5 – 8 mm





Fruit









Marri



Scientific name: Corymbia calophylla

Aboriginal name: Marri (Noongar)









Plant habit Foliage and nut Flower Resin

About ...

Also known as a 'Red Gum' this tree is native to the south-west of WA; however, small pockets are also found north of Perth up towards Geraldton.

It is resistant to 'dieback' disease (Phytophthora cinnamomi).

The 'honky nuts' were made famous by May Gibbs, author of the classic story, Snugglepot and Cuddlepie. Form 'Marri' comes from the Aboriginal Noongar language, where it is known as a medicine tree because of the red gum or 'kino'. This was sprinkled onto wounds to prevent bleeding or mixed with water as a mouthwash or disinfectant as the tannin has antiseptic qualities. Large quantities of the powdered gum were used to tan kangaroo skins.

Aboriginal Uses

- Resin or 'kino' can be used as a medicine to treat Nut an upset stomach
- Mixed with water, the resin can be rubbed on skin to treat eczema
- Seeds can be eaten
- The blossoms (called 'Ngumbit') are soaked in water to make a sweet drink

Family MYRTACEAE

Climate **Temperate**

Habitat It is an important part of the Jarrah and

Karri forests of Western Australia It also occurs on the coastal plain on a

range of soils

Large tree

Height: 40 - 60 m

The bark is rough, brown to grey-brown,

and often has reddish gum or resin

Foliage Mid-to-bright green leaves with red stems

Tough

Evergreen

Birak to Djeran (December to May) Creamy white or pink flowers

Bee attracting

Also called 'Honky Nuts' Large, carrying large seeds

Urn-shaped

Start out green and change to brown

Developed by SERCUL for use with the Bush Tucker Education Program 2014.

Flower















Milkmaids



Scientific name: Burchardia congesta

Aboriginal name: Kara (Noongar)







Plant habit Flower Seed formation

About ...

This plant, *Burchardia*, was named after German botanist, Johann Heinrich Burckhardt.

Milkmaids grow prolifically around the Perth area. They grow in all Australian States and in Western Australia range from Northampton to Cape Naturaliste. Due to their abundance they were a substantial part of the Noongar peoples diet in summer and autumn.

Once the flower has died, the plant looks like any other grass and the Aboriginal people would dig over large areas of soil to locate the tubers. Only the tubers that were at least four millimetres thick were good to eat.

Climate Habitat

Family

Temperate

abitat Jarrah and banksia woodlands of the

Swan Coastal Plain
Darling Scarp

COLCHICACEAE

Form Tall, open, lily-type Usually a single stem

Height: 40 – 80 cm

Foliage Very slender

Grass-like

Flower Djilba to Kambarang (August to November)

Cream to white petals

Yellow centres and stamens

Forming a spray of several small flowers

from a single stalk

Aboriginal Uses

- The tuberous roots can be eaten raw or roasted; when eaten raw, the tubers taste like a succulent potato
- Nutritionally valuable due to its high protein content



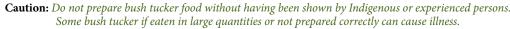












Old Man Saltbush



Scientific name: Atriplex nummularia

Aboriginal name: Tyulern (Vic)







Plant habit Leaf form

Male flower

About ...

There are about 61 different species of Saltbush growing across Australia. Old Man Saltbush or Giant Saltbush is a very adaptable plant found in many soil types across Australia. It is a fast-growing, evergreen shrub.

This plant is frequently used as food for cattle and sheep and is often planted near property homesteads as a shelter. It provides a useful windbreak which, along Form with readily visible leaves at night, makes it suitable for roadside plantings. The leaves are also fire retardant.

Due to its ability to withstand saline and drought conditions, Old Man Saltbush is being trialled as a solution to Australia's increasing salinity problem.

Family

Habitat

CHENOPODIACEAE

Climate Semi-arid to arid regions

Found in many different habitat types Found on saline, clay soils in low lying

areas like flood plains Very adaptable to most soil types

Frost and salt tolerant

Large multi-stemmed shrub from near

ground level Height: 3 m

Width: 2 - 4 m

Foliage

Leaves have a salty, scaly coating which gives them a silvery-grey colour Elliptical to almost circular in shape Soft leaves between 10 – 30 mm long High salt content

Flower Produced throughout the year

Wind pollination

Male and female flowers on separate

plants

Female: dense clusters about 200 mm

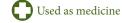
long

Male: separate globules at end of stems

Aboriginal Uses

- Woody branches used as fuel for fires
- Used as a windbreak
- Collected the minute saltbush seeds to grind and roast for damper
- Large fresh blanched saltbush leaves used as a wrap around meat or fish, in salads or as a leafy bed for grilled meat or vegetables
- Dried saltbush flakes can be added to damper



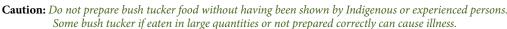












One-sided Bottlebrush

Scientific name: Calothamnus quadrifidus

Aboriginal name: Kwowdjard (Noongar)







MYRTACEAE

Shrub or small tree

Height: 0.5 m - 3 m

Width the same

Usually hairy

Temperate



Leaf form Flower Fruiting capsules

Family

Climate

Habitat

Form

About ...

Calothamnus quadrifidus, also known as the Common Net Bush, grows naturally in the south-west of Western Australia where it is widely distributed. It commonly grows among granite outcrops, in sand or sandy-gravel, however it adapts well to other soil types such as loam, and even clay. Calothamnus is a genus of more than 40 species, all are found in the SW of WA.

'Calothamnus' comes from the ancient Greek kalos, meaning 'beautiful' and thamnos meaning 'a shrub' while quadrifidus means 'divided into four parts' which refers to the number of flower parts. They are a good garden plant due to their long lasting, showy, bird attracting flowers and soft foliage. They can also be used as windbreaks.

The species was named by botanist Robert Brown who collected a specimen from Lucky Bay near Esperance in 1802.

Flower

Foliage

Brightly coloured stamens, usually in red, are fused together in bundles, known as staminal claws

30 mm long and 1-2 mm wide

Wide variety of soils and habitats

Usually red but can be white or yellow

Grey-green or green needle-like leaves

Makuru to Birak (Winter through to Summer)

Clustered in one-sided spikes or 'brushes'

Fruit

Each flower produces woody capsules that remain on the plant The seeds are usually not released from

the fruits for several years

Aboriginal Uses

- Flowers are sucked for their nectar
- Flowers can also be made into a sweet drink when soaked in water

Developed by **SERCUL** for use with the *Bush Tucker Education Program* 2014.







Used as medicine







Peppermint Tree



Scientific name: Agonis flexuosa

Aboriginal name: Wonnil (Noongar)









Plant habit

Bark

Flower bud

Flower

About ...

Also called the 'Willow Myrtle', this species is native to the south-west of Western Australia.

This species is highly adaptable to a range of climates and soils. Because of this, it is often planted along verges and in parkland areas. It is a common street tree in many Perth suburbs including Peppermint Grove which is named after the tree.

Its flowers look similar to the native tea tree.

Peppermint Trees are named after the peppermint odour of the leaves when crushed.

Mature trees provide hollows that are used by birds Foliage and possums for nesting.

Family MYRTACEAE

Climate Temperate

Habitat Coastal and bushland areas close to the coast and lower Swan Estuary in sandy/

limestone soils

Form Tree

Fibrous, rough grey bark Large, gnarled trunk Height: 10 – 15 m

Width: 6 m

Weeping foliage Mid-to-bright green Long, slender leaves

Evergreen

Aboriginal Uses

- Leaves were used for smoking and healing
- Oil used to rub on cuts and sores

Kambarang to Bunuru (Spring and Summer)
Sprays of several small white flowers

Width: 1 cm

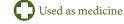
Flowers have five petals

Insect attracting

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Flower



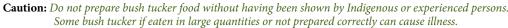












Quandong



Scientific name: Santalum acuminatum

Aboriginal name: Dumbari (Noongar)









Plant habit

Flower

Unripe fruit and leaves

Ripe fruit and kernel

About ...

Also called 'wild peach' or 'native peach' the Quandong is considered good eating. They are found in all Australian states.

It is a hemiparasitic plant. This means that it attaches to the roots of another plant and uses it as a water and nutrient source. One Quandong plant can attach to a Form number of host plants for survival.

European settlers used the Quandong fruit to ward off scurvy as they are high in vitamin C. Emus are fond of them also.

Family SANTALACEAE

Climate Temperate to arid

Habitat Desert sandhills and spinifex plains, near watercourses and salt lakes and in mulga

country of inland Australia

rm Evergreen shrub or small tree

Height: 4 – 5 m Width: 1 – 2 m

Foliage Olive green leaves

Long and slender to 90 mm

Tapers to a point

Looks a bit like a drooping eucalypt

Tough

Aboriginal Uses

 Succulent bright red fruits make a tasty snack and can be made into pies, jams and jellies

 The outer peel is removed to uncover a kernel which is cracked open to reveal the nut, this is then roasted and eaten

• Seeds contain oil used for moisturising the skin

 Seeds also ground up and mixed with water to treat skin sores

• Seeds can be used as beads for jewellery

Pounded leaves were used to treat diseases introduced by European settlement

Elower

Birak to Bunuru (Summer)

Clusters of tiny, fragrant flowers

Green and brown Attract insects

Fruit Djilba to Kambarang (Spring)

Round and succulent

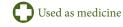
Width: 2 - 4 cm

Green then turn bright red when ripe

Single seed













Red-eyed Vattle



Scientific name: Acacia cyclops

Aboriginal name: Wilyawa (Noongar)









Plant habit

Flower

Fruit pods and seeds

About ...

Also known as the 'Western Coastal Wattle'. This Acacia species is found in sandy and limestone soils along the coast from Eneabba to the Great Australian Bight where it extends into South Australia. It is a problem Form weed in South Africa where it has been introduced.

Its scientific name, Acacia cyclops, refers to the mythical one-eyed giant Greek legend-'Cyclops'. The unusual appearance of the seed is the reason behind the name.

The seeds are eaten by birds and small animals and then dispersed in their droppings. The seeds then germinate to produce a new plant.

It is used to stabilise coastal sand dunes and is also grown overseas for its dense and high quality fuelwood.

Family

Climate **Temperate**

Habitat

Coastal heathlands and dry scrublands

Dense shrub or small tree

Height: 1 – 4 m

MIMOSACEAE

Shorter, more spreading habit near the

coast

Taller habit when growing inland

Foliage

Leaves are not true leaves, they are

flattened leaf stalks

Length: 40 – 90 mm Thick and leathery

Alternate simply along the stem

Long and narrow

Aboriginal Uses

Seeds are ground into flour, then mixed with water and cooked as bread

Green seed pods release a sticky juice (when Fruit crushed) when mixed with water makes sunscreen, insect repellent and a treatment for eczema

- Gum from the stem can be eaten
- Bardi grubs which burrow in the stems as larvae are a sought after and nutritious food

Flower

Djilba to Bunuru (September to March) Golden-yellow flowers

Grow in small round clusters

Arranged in pairs at the base of the leaf

Kambarang to Birak (late Spring, early Summer) Long, flat pods

Length: up to 150 mm

Twist and coil around after opening Seeds are dark brown to black and

encircled by an orange-to-red fleshy circle

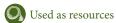
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Used as food



Used as medicine







Scarlet Runner



Scientific name: Kennedia prostrata

Aboriginal name: Kabin (Vic)



About ...

Also known as the 'Running Postman' because the colour of the flowers match the colour of post boxes. The genus is named after Lewis Kennedy, an eighteenth century English nurseryman.

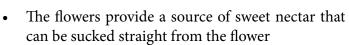
This plant is native to the South East and South West Form of Australia.

The plant's ability to cover large areas of ground over a short period of time helps to retain moisture within the ground. It is considered a 'living mulch'.

Scarlet Runner is quite a hardy plant which is able to Foliage resist light frost and dry periods.

Flat seed pods, about 50 mm long, follow after the flower has died.

Aboriginal Uses



Leaves are used to make a tea-like drink, which has a pleasant liquorice flavour

The stems of the plant are used as twine

Family PAPILIONACEAE

Climate **Temperate**

Open forests and sandy plains of the Habitat

south west of WA

Low ground creeper

Can cover an area of 1 – 3 m

Stems grow out from a central point and can wind throughout an area to entangle

other plants

Leaves grow in threes from the long

Mid-to-dark green leaves in a round

heart shape

Broad, soft and crinkly

Kambarang to Bunuru (Spring and Summer)

25 – 30 mm long

Delicate, red and pea-like

Yellow centre

Described as 'butterflies on stems'

Hairy and green

Turn red then brown

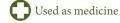
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Fruit

Flower

















Scientific name: *Thysanotus patersonii*Aboriginal name: Tjunguri (Noongar)





Flower and flower buds

Plant habit

About ...

This fast-growing plant is found throughout many States of Australia and is widespread through the southern half of Western Australia.

This plant grows from seed contained in a dry capsule. Form The flowers are hermaphrodite, meaning they have both male and female components.

The plant dies back to a tuber after flowering which can be difficult to find. The white edible tubers are between 20 and 50 mm in length. They remain dormant until the following winter.

Aboriginal Uses

- The tubers, which look like tiny potatoes, are commonly eaten raw or roasted
- The stems and flowers are also edible
- Occasionally, the flowers and stems were roasted, made into powder and eaten with the York Gum
- Other species of Thysanotus can also be eaten
- The root is best eaten just before or just after flowering, as it contains more energy at this time

Family ANTHERICACEAE

Climate Temperate

Habitat Grasslands, Riparian scrub and woodland

rm Perennial climber Height: up to 1 m

Leaf and stems die off over Birak (Summer) and come back over Makuru (Winter)

Long, spindly stems that either twine around nearby plants or trail along the ground

1 – 2 long thin leaves at the base of the stem

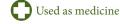
Mid to bright green

Makuru to Kambarang (Winter and Spring)
Purple flower with three largish petals
surrounded by a 'feather-like' edge,
alternate with three narrow sepals

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Foliage















Warrigal Greens

Scientific name: Tetragonia tetragonoides

Aboriginal name: Unknown





Leaf and flower bud

About ...

The name, Warrigal Greens, seems to be made up from two older names, Warrigal Cabbage and Botany Bay Greens. Warrigal was the Eora (Sydney area) Aboriginal name for the native dog or dingo.

In 1788, the nutritious plant was added to the rations of the first British settlers at Sydney Cove. Seeds of the Form plant were then distributed to all colonies throughout Australia to supply extra nutrition for settlers.

In the late 1700s, Warrigal Greens was the first Australian native food plant to be introduced into Europe.

Warrigal Greens are adaptable plants, growing in hot, dry and sandy soils. Once the plant is established, it can resist salt spray and drought. However, it does not tolerate cold or frost conditions.

Aboriginal Uses

- Young leaves can be eaten raw in salad
- discard the water, as the leaves contain oxalic acid

Family AIZOACEAE

Climate Temperate to tropical

Sandy and stony beaches, sand dunes and Habitat salt marshes along the coasts of Australia; also inland plains

> Low, spreading vine with thick, succulent stems

Leaves are bright green and spear shaped Grow between 20 and 120 mm long Soft, flat and shiny

Flowers during Kambarang, Birak and Bunuru (Spring and Summer) Tiny, yellow, star-shaped flowers at the base of the leaves

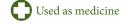


It is best to boil older leaves for 1 – 2 minutes and

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Foliage



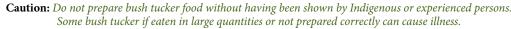












Zamia Palm



Scientific name: Macrozamia riedlei

Aboriginal name: Jeeriji (Noongar)







Plant habit Seed cone

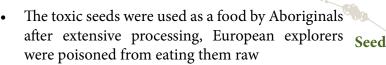
About ...

This plant has a male plant and a female plant. The male plant produces the pollen, while the female plant produces the seed. Only the female cones were eaten by the Noongar people.

Early European settlers became ill after eating the seeds without proper preparation, due to the level of toxins and carcinogens.

Proper care must be taken to prepare the seeds (through a lengthy process) for eating!

Aboriginal Uses



 After treatment, the pulp which encases the seed is roasted before eating, it tastes similar to a tomato

 Raw seeds were ground into a powder and used to 'stun' fish in local waterways to make the fish easier to catch

• The woolly material found around the base of the fronds on top of the trunk was used as fire tinder or as an absorbent fibre for hygienic purposes

Family ZAMIACEAE

Climate Temperate

Habitat Jarrah forests south of Perth to Albany

Banksia woodlands

m Medium-size shrub

Short trunk with leaves from the base

Seed (Photo: Pam Agar)

Palm-like

Height: 0.5 - 3 m

Foliage Few leaves radiating from trunk

Glossy with narrow leaflets

Tough

Bright-to-deep green

Length: 1 – 2 m

Produced Djilba to Kambarang (September

to October)

Oval-shaped seed cone

Length: 25 – 35 cm Width: 14 – 18 cm

Ripe Bunuru (February to March)

Developed by **SERCUL** for use with the *Bush Tucker Education Program* 2014.



Used as food



Used as medicine





