

## Cyclone resistant trees for your school yard

Common Name	Species Name	Characteristics
Baeckea	<i>Babingtonia virgata</i>	This is a tall shrub 2m with small leaves and dense branches that can be pruned to shape. It needs to be well watered.
Bailey's grevillea, white silky oak or golden oak	<i>Grevillea baileyana</i>	This tree grows up to 30m and should be planted while small to allow a good root system to develop. The strong nectar perfume attracts myriad insects and it has been successfully grown in a wide range of soils and climates. In open, drier areas it grows quite happily but is sometimes prone to loss of branches by wind.
Black tea tree	<i>Melaleuca bracteata</i>	It grows to 5-10m and tolerates heavy clays and high pH and salinity. It is tolerant of most well drained soils and situations; water logging and moderate frosts.
Bloomfield penda	<i>Xanthostemon verticillatus</i>	It is slow growing and reaches a height of 5m. This shrub can stand in water during wet season. It is suitable as a container plant.
Blue quandong	<i>Elaeocarpus grandis</i>	This rainforest tree can reach 35m and grows straight with distinctively radiating branches, angled upwards from the trunk at about 45 degrees. It provides the favourite food of the Wompoo Pigeon.
Bottlebrush or callistemon	<i>Melaleuca viminalis</i>	This is a shrub to small tree 6-8m. It requires little maintenance but appreciates regular watering. It grows in a range of soils including sand, loam and clay. The flowers attract insects and birds. This tree is very tolerant of flooding and water logging.



Common Name	Species Name	Characteristics
Broad leafed paperbark	<i>Melaleuca viridiflora</i>	This grows up to 20m. It can grow in dry areas such as a rocky headland in addition to swamps, with its roots submerged for long periods of time.
Burdekin plum	<i>Pleiogynium timorense</i>	This grows up to 20m and forms a dense shade canopy. It is usually found along watercourses in riparian forest, vine thicket, gallery forest, beach scrub and occasionally open woodlands. The fruit are edible when raw, to ripen bury in sand or stored in a paper bag. It has traditional uses – the Juru people made boomerangs and other hard timber tools from them. Plant used as a fish poison. It attracts red-tailed black cockatoos and is flood and fire resistant.
Cherry satinash	<i>Syzygium leuhmannii</i>	This Lilly Pilly grows to 7m tall and 3m wide. It is a decorative compact medium tree, is fast growing and has foliage to ground level. The white flowers are followed by fleshy red berries that are edible. The trees can be used as screens, windbreaks, hedges, bird attractants and garden ornamentals.
Cinnamon	<i>Cinnamomum zeylanicum</i>	This grows from 6-12m tall. The trees grow in full sun and part shade and enjoy regular watering throughout the year. The bark is dried and used as a spice; leaves contain eugenol and are sometimes used as a substitute for cloves. They have multi-stemmed trunks.
Cycads	<i>Cycas spp.</i>	They do not like getting their 'feet' wet. They can help keep the soil cool in the hot climate and the soil moist during the dry season.
Fan palms or cabbage tree	<i>Livistona spp.</i>	This grows up to 18m, is slow to establish and requires full sun. The fruits are eaten by Pigeons.
Freshwater mangrove	<i>Carallia brachiata</i>	It is an excellent shade tree that grows to 5-20m. This species is tolerant of strong winds. The fruit can be eaten, the bark is traditionally used for medicine for itching and the wood is used for making spears and furniture. It is a useful nursery tree in revegetation projects. It is tolerant of flooding and waterlogging but sensitive to fire.
Griffith's ash	<i>Fraxinus griffithii</i>	It grows to 8m high and 4m wide. This is a fast growing small tree with attractive foliage.



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Laurel	<i>Cryptocarya hypospodia</i>	Laurel is a rainforest tree 30m high that attracts butterflies.
Leichhardt tree	<i>Nauclea orientalis</i>	This is a medium to tall tree up to 30m with a dense crown and is deciduous. It is fast growing, hardy and tolerant of flood prone conditions. The fruit are edible when ripe (pale brown and soft) but contains bitter tasting seeds. Traditional uses include crushing the leaves or raw bark for a tea to induce vomiting, Using bark as medicine for treating bruises, rheumatism, fever and snake bites. Large leaves can be used as plates. The trunk is soft and has been used for dug-out canoes and coolamons (vessel for food and water). The huge hawk moth larvae eat the leaves.
Mahogany	<i>Swietenia mehogani</i>	This is a fast growing, straight trunked, semi-deciduous tree that grow to 9-21m. They can grow in full sun or part shade, need regular watering and are tolerant of most soil types. They have been found to even grow in salty soils.
Mango bark, scrub turpentine or brown cudgeree	<i>Canarium australianum</i>	Large rainforest tree that grows to 10-15. Separate male and female plants. This tree has many cultural uses and is a hardy tree for revegetation projects.
Mango pine or cassowary pine	<i>Barringtonia calyptata</i>	This beautiful plant grows up to 20 m high and 8m wide. It has a large seed and cassowaries eat the fruits.
Native sugar palm or native honey palm	<i>Arenga australasica</i>	This plant forms a good windbreak and binds the soil together, reducing erosion.
Northern swamp mahogany	<i>Lophostemon grandiflorus</i>	This tree grows to 20m tall and 15m width. It prefers hot overhead sun to dappled light and tolerant to most soil conditions. Once mature, it has a high tolerance to flood and fire.
Pongamia	<i>Millettia pinnata</i>	This grows to 15-25m tall and is deciduous. It is a wide canopy tree well suited to intense heat and sunlight. Its dense network of lateral roots and thin long taproot make it extremely drought and wind tolerant. It is a leguminous tree that is well adapted to arid zones. Juices from the plant (as well as the oil) have antiseptic qualities and are resistant to pests. It is also flood tolerant.



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Common Name	Species Name	Characteristics
Ribbon wood, pink poplar or maiden's blush	<i>Euroschinua falcata</i>	This is a great shade tree that grows up to 30m tall. It produces a lot of fruit which is edible by many species of birds.
Sea/tropical almond	<i>Terminalia catappa</i>	This can grow to 30m tall. It is deciduous, the nuts are edible and the oil extracted from the dried nuts is used in cooking. It is a great shade tree.
Terminalia	<i>Terminalia microcarpa</i>	This grows to 15-30m high. It is deciduous and is used in riparian revegetation projects to provide an upper canopy. The flowers attract insects and the fruit attracts numerous birds especially red-tailed black cockatoos and fruit pigeons. It is tolerant of flooding and periodic waterlogging.
Tuckeroo or carrotwood	<i>Cupaniopsis anacardioides</i>	This is a small tree growing to 15m. The seeds are edible and the timber can be used. It is a hardy tree if planted initially as a small tree and allowed to develop a good root system. It is fire sensitive and has moderate flood and salt tolerance.
Tulip oak	<i>Argyrodendron sp.</i>	This is a rainforest emergent growing 40-60m tall.
Tulip wood	<i>Harpulia pendula</i>	Its garden height is 7-10m and width is 2-3m. This is a fast growing, small to medium evergreen tree with an erect stem. It will tolerate dry conditions and most soil types. It does not have invasive roots, has a dense crown and does not grow high enough to disturb overhead power lines. It requires full sun and is a great shade tree.
Turkey bush or weeping tea-tree	<i>Leptospermum madidum</i>	It is an excellent tall shrub 2-3m with fine leaves and flexible branches. It is often incorrectly sold as <i>L. brachyandrum</i> .
White apple	<i>Syzygium forte</i>	This grows up to 30m. The fruits are eaten by cassowaries and spectacled flying foxes.
White beech	<i>Gmelina leichhardtii</i>	In the garden it is 8-10m high and 8m wide. Its rainforest height is 10-15m and 12m wide. It provides part shade, is deciduous and well drained soil is essential.
Yellow / golden penda	<i>Xanthostemon chrysanthus</i>	It is best planted as a small to 1m tall tree. Mass flowering occurs one month later. It is a native with non-invasive roots. It grows to 10m high and 4m wide.



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## References:

Calvert G. (2009) *Bush friendly plants of the Burdekin Dry Tropics*, NQ Dry Tropics, Townsville.

Calvert G. (2010) *The Burdekin Delta Tree Guide*, Lower Burdekin Landcare Association, Ayr.



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