

LOCAL NAMES

Fijian (natoro,baumuri); Samoan (poumuli); Tongan (poumuli)

BOTANIC DESCRIPTION

Securinega flexuosa is a deciduous, shrub or small or rarely medium-sized tree up to 10(-30) m tall; bole often irregular, branchless for up to 6 m, up to 30(-50) cm in diameter, sometimes with indistinct buttresses; bark surface smooth, becoming fissured and scaly with age, peeling in small, thin strips, lenticellate, pale grey to pale brown.

Leaves arranged spirally but distichous on twigs, simple, entire, with short petioles; stipules small.

Flowers in an axillary fascicle, unisexual, small, whitish or greenish-yellow; sepals 5; petals absent. Male flowers with 3-5 stamens; disk composed of 5 glands; pistillode present. Female flowers with an annular, crenate disk; ovary superior, 3-locular with 2 ovules in each cell, styles short, connate at base, stigmas deeply 2-lobed or double 2-lobed.

Fruit drupaceous, many in clusters, fleshy, red turning black when ripe.

Seed angled.

BIOLOGY

In the Philippines flowering has been observed in January and in May-June, fruiting in January and May. In the Pacific it flowers and fruits several times a year and has been recorded to bloom in January, April, July and September. The fruits are taken and dispersed by birds.

ECOLOGY

S. flexuosa has been found in primary forest at low altitudes and in dense shrub savanna. It is often a pioneer growing in river floodplains, fallowed fields and abandoned coconut plantations. *S. flexuosa* is a light-demanding tree.

BIOPHYSICAL LIMITS

Soil types: It grows well on nutrient-poor soils.

DOCUMENTED SPECIES DISTRIBUTION

Native: Fiji, New Caledonia, Papua New Guinea, Philippines, Samoa, Solomon Islands, Vanuatu

Exotic:



The map above shows countries where the species has been planted. It does neither suggest that the species can be planted in every ecological zone within that country, nor that the species can not be planted in other countries than those depicted. Since some tree species are invasive, you need to follow biosafety procedures that apply to your planting site.

PRODUCTS

Fuel: It also yields a good fuelwood.

Timber: *S. flexuosa* yields a heavy hardwood with a density of 810-935 kg/m cubic at 15% moisture content. Heartwood pale yellowish-brown, hardly distinguishable from the up to 3 cm wide pale sapwood; grain straight; texture moderately fine; wood fairly lustrous; wood with a bitter taste. The wood is hard and strong but somewhat brittle. It finishes well, is durable and not susceptible to fungal or dry-wood termite attack. The sapwood is non-susceptible to *Lyctus*. In the Philippines the wood of *S. flexuosa* is locally highly valued for house and fence posts, and additionally used for joists, rafters and tool handles.

Tannin or dyestuff: The leaves are used for staining.

Medicine: The bark is applied medicinally in a fever-reducing drink.

SERVICES

Apiculture: Pollen and nectar (honey) can be obtained from the flowers.

Securinega flexuosa

(Muell. Arg.) Muell. Arg.
Euphorbiaceae

TREE MANAGEMENT

GERMPLASM MANAGEMENT

PESTS AND DISEASES

FURTHER READING

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SUGGESTED CITATION

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