

# *Grevillea robusta* A. Cunn.

## Systematic Position

Kingdom: Plantae

Phylum: Tracheophyta

Class: Magnoliopsida

Order :Proteales

Family: Proteaceae

Genus : *Grevillea*

Species: *Grevillea robusta* A. Cunn. ex R. Br.



**Popular names:** Southern silky oak, Silky-oak, Australian Silver-oak.

**Nature:** Tree

**Flowering time:** April to June

**Plant distribution:** It is a native of eastern coastal Australia.

**Gardening notes:**

- 1. Light:** It grows well in full sun.
- 2. Moisture:** It can survive in less water supply.
- 3. Propagation:** By seeds.

**Economic importance:**

1. It is a very good source of green manure.
2. Its wood is used for ornamental paneling, parquet floors, furniture's, toys, veneering's and plywood.

3. The bark contains a gum and tannin.
4. In Australia, the native country, the supply of timber from this species is now exhausted.
5. Flowers are used for honey production.

**Plant description:** A fast growing tall, evergreen tree reaching a height of 20 feet.

**Root-** Tap root, branched; **Stem-** Aerial, erect, solid, woody, cylindrical, angular, greenish brown, branched, hairy; bark rough, brown, hard.

**Leaf-** Compound, unipinnate, imparipinnate, 10-12 cm long, 5-8 cm wide, adaxial surface dark green, abaxial surface light green, pulvinus base, petiolate, petiole long, 4-5 cm long, greenish, hairy, leaflets 6-8, leaflets 4-6 cm long, 3-5 cm wide, dented, acuminate apex, prominent midrib and veins, hairy abaxial surface, hairy midrib, petiolulate, petiolule green, small, angular.

**Inflorescence-** Spike.

**Flower-** Large, attractive, yellowish, hermaphrodite, actinomorphic, complete; Sepals- 5, 1.5-2 cm long, hooded, at first all fused together except on one side, later on fused in two; Petals- 5, gamopetalous, orangish, inferior, valvate aestivation ; Stamens- many, sessile, inferior, anthers 1mm long, orangish brown, bilobed, basifixed, longitudinal dehiscence; Carpel- 1, ovary superior, glabrous, rounded, style long, lemon yellow, 1-3 cm long, dilated at the apex, stigma 1mm long, cone shaped.

**Fruit-** Follicle, 2-seeded, 1.5-2. cm long, about 1 cm broad, silver grey to olive green, dehiscent.

**Seed-** 1-1.5 cm long, 0.5-1 cm broad, broadly winged, thin, ovate, non-endospermic.

Some close up pictures of plant parts

