

# Golden shower tree

The Indian Golden Shower tree, scientifically known as *Cassia fistula*, is a beautiful tree that is native to India and is one of the most widely grown ornamental trees in the country. The tree gets its name from the stunning golden flowers that cover it during the flowering season. The tree is not only beautiful but also has medicinal properties and is used in traditional Ayurvedic medicine.

Tree Characteristics	Description
Common Name	Golden shower tree
Scientific name	<i>Cassia fistula</i>
Maximum height	Up to 20 meters
Diameter of crown	10-15 meters when mature
Diameter of trunk	Up to 1 meter
Years to grow	6-7 years for reaching maturity
Economic benefit	Provides timber and medicinal benefits.

## Physical Characteristics

The Indian Golden Shower tree is a deciduous tree that can grow up to a height of 10-20 meters. It has a dense, spreading crown with a diameter of 10-15 meters. The tree has a straight trunk with a diameter of up to 1 meter. The bark is smooth and grey-brown in color. The leaves are pinnate and have 4-8 pairs of leaflets. The flowers are golden yellow in color and are arranged in long, drooping clusters.



## **Ecological Role**

The Indian Golden Shower tree plays an important ecological role as it provides a habitat for various birds, insects, and animals. The flowers of the tree are a source of nectar for bees, butterflies, and other insects, while the fruits are eaten by birds and small mammals.

## **Importance to Birds, Animals, and Insects**

The Indian Golden Shower tree is important to birds, animals, and insects as it provides food and shelter. The flowers of the tree are a source of nectar for bees, butterflies, and other insects, while the fruits are eaten by birds and small mammals.

## **Type of Soil and Climatic Conditions**

The Indian Golden Shower tree prefers well-drained soils that are rich in organic matter. It can grow in a wide range of

soil types, including sandy, loamy, and clayey soils. The tree prefers a warm and humid climate and can tolerate temperatures ranging from 15-40 degrees Celsius.

## **States in India Where the Tree is Found Naturally**

The Indian Golden Shower tree is native to India and is found in various parts of the country, including Tamil Nadu, Kerala, Andhra Pradesh, Maharashtra, and Gujarat.



## **Different Stages of Tree Growth**

The Indian Golden Shower tree goes through various stages of growth, including germination, seedling, juvenile, and mature stages. The tree starts producing flowers and fruits after 3-4

years of growth.



## **Benefit to Farmers**

The Indian Golden Shower tree is beneficial to farmers as it can be grown as an agroforestry crop. The tree helps to improve soil fertility, control soil erosion, and provide shade for crops. The fruits of the tree are used in traditional Ayurvedic medicine and have various medicinal properties.



## Conclusion

The Indian Golden Shower tree is a beautiful tree that is native to India and has both ecological and economic importance. The tree provides food and habitat for various birds, animals, and insects, and has medicinal properties. The tree is easy to grow and can be grown as an agroforestry crop, making it a valuable addition to farming systems.

