



TULSI CULTIVATION



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➤ Introduction:

Aperennial herb that is grown and widely used in Ayurvedic and other traditional medical treatments to cleanse the respiratory tract, promote healthy digestion and relieve gas. It grows up to 40-60cm in height with round oval shaped leaves (2-4cm long). The flowers are present in compact clusters having purple to reddish colour and produces tiny rust – coloured fruit.

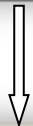


In India, it is considered to be the most sacred of all the herbs and is found in almost every household. The plant is cultivated for religious and medicinal purposes and for its essential oil.

➤ Varieties: Krishna Tulsi & Rama Tulsi

Krishna Variety

Dark coloured used for Medicinal purposes.



Rama Variety

Light coloured used for Worshipping



➤ **Chemical composition:**

Chemical component	Uses
Oleonolic acid	Anti-cancer, anti- osteoporosis, anti obesity, lipid lowering, anti inflammatory, anti oxidant and immune regulator.
Ursolic acid	Reduce fat accumulation, increase muscle gain.
Rosmarinic acid	Anti inflammatory, anti oxidant, treats asthma and reactive airway diseases, allergic disorder.
Eugenol	Extract medicinal oil, antiseptic, treat bronchitis, bronchial asthma, malaria, skin diseases, diarrhoea, anti microbial, anti fungul, and anti fertility
B-carophyll	Will reduce inflammation in the brain and reduce chemicals that cause oxidative stress, relieve depression and anxiety
Linalool (Vit. E)	Hygiene products and cleaning agent- soaps, detergents, shampoos, and lotions
Carvacrol	Anti- bacterial, anti- viral, anti- fungul, treat flu and fever, common cold, acne, arthritis, pneumonia etc.

➤ **Soil & climate:**

Tulsi plant can be grown on any types of soils, however it is best cultivated in well drained, rich sandy loams soils having pH 5.5-7.

It is grown in tropical and sub tropical climate conditions. It requires moderate annual rainfall with humid conditions for better yield.

➤ **Land preparation:**

The land should be ploughed 2-3times to bring the soil to a fine tilth. For better yield add around 15 tonnes of FYM before sowing and set up proper drainage to avoid waterlogged conditions.

➤ **Propagation:**

Tulsi plant can be propagated through seeds or cuttings.

For nursery raising of seedlings, prepare a bed size (4.5x1.0x0.2) m and apply manure.

As the seeds are very small in size mix the seeds with sand in the ratio of 1:5 (approx). It is then sown in beds 2months prior to monsoon. The seed germinate in about 20-30 days and seedlings become ready for transplanting in about 60-90days.

Seed rate: 2kg/acre

Plant spacing: 5x5cm

➤ **Irrigation:**

Water the plant in an interval of 3 days during summer followed by weekly interval during winter.

Sprinkler or drip irrigation system can be used.

➤ **Caution:**

- Avoid water logged conditions
- Weeding should be done at regular intervals

- **Marketing:** The global market for basil demand is wide spread across the globe for its Ayurvedic purposes. Due to its high and effective medicinal properties; the demand of Tulsi in the market is growing rapidly.

Expenditure:

Distance (in acre)	Seed (in land)	Cost of Seed (per kg)	Total	Other Expenses (As Per Requirement)	Cost of cultivation
1*1ft	5 kg	2,000 Rs. /-	5kgx2000 = 10,000/-	Fertilizers Land preparation Labor expenses etc.	10,000/-
Total Cost of Cultivation: 10,000/-					

INCOME FOR FARMING OF BLACK TULSI LEAF 1ACRE					
Year	Production	Production/kg(Approximated)	Rate	Revenue	Remarks
1	Dry leaf	500	80/-	40,000/-	Production start in 3 month
	Seed	500	100/-	50,000/-	
	Whole Panchang	1000	20/-	20,000/-	
Total				1,10,000/-	

➤ Technical Support & Services:

We also provide technical support for farming. Our Service Department with technically qualified staff provide after sales service and farmers advisory services to our customers to get better plant establishment and faster growth of Herbal and Horticultural plantations.

We have largest network of employees who deliver Plants to customers at their door steps. Free technical services to customers on planting method, management practices and plant protection measures. Our teams of Agricultural Experts periodically visit and supervise the plantations and suggest necessary guidelines to get better growth and higher returns. Services:

- This includes Supervision, consultancy, guidance, On call
- First production start after 3 Month
- Buy back agreement of Tulsi Dry leaf
- The income expenditure indicated by the company is an approximated figure, as it also depends on the nature and hard work of the farmer.
- Black tulsi growing first harvesting practical training.
- Plantation cost is to be borne only once and then for next 6-month yield can be extracted.



***("Look deep into nature,
and then you will understand everything
better")***

THANK YOU

For More Information Contact Us

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