



BLACK TULSI CULTIVATION



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Introduction:

A perennial 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 color and produces tiny rust – colored 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: Black Tulsi (BASIL SEEDS)**

Indian Common Name : Sabja Seeds

Crop duration : 90 days

Usage : weight loss property , fibre rich ,
promote better muscle activity,
bone health and blood cell production

➤ **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:**

Black 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 6 tonnes of FYM before sowing and set up proper drainage to avoid waterlogged conditions.

➤ **Propagation:**

Balck Tulsi plant can be propagated through seeds .

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 maximum period Of 12 months. The seed germinate in about 15-20 days days and seedlings become ready for harvest in about 90days.

Seed rate: 4 kg/acre

Plant spacing: 5x5cm

➤ **Irrigation:**

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

Sprinkler or flood 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 |
|--|-------------------|--------------------------|------------------------|--|------------------------|
| Evenly scattered in field | 4 kg | 2,500 Rs. /- | 4 kgx2000 =10,000/- | Fertilizers Land preparation Labor expenses etc. | 10,000/- |
| Total Cost of Cultivation: 10,000/- | | | | | |

| INCOME FOR FARMING OF BLACK TULSI SEEDS 1ACRE | | | | | |
|--|------------|---------------------------------|------------------|-------------------|-----------------------------------|
| Duration | Production | Production/kg(Approximated) | Rate | Revenue | Remarks |
| 3 months | Seeds | 1000 kg | 120 rs per kg | 120000 | Production start in 90 days |
| Total | | | | 1,20,000/- | |

➤ 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 Black Tulsi seeds
- 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 seeds 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”)**

For More Information Contact Us:



MAATITATVA AGRO INDUSTRIES PVT. LTD.

GSTIN: -23AANCM8802G1ZF

Reg. no:-U01409MP2020PTC053148

ISO 9001-2015 CERTIFIED

**Plot No: 622-623, Scheme no: -114 Part-2, Ring Road Bombay Hospital nearby
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"MAATITATVA AGRO INDUSTRIES PVT.LTD OF COMPANIES" was established in the year 2019 in Indore - Madhya Pradesh (India). The company is growing at a rapid pace under the farsighted guidance of highly skilled professionals. Besides, we also deal in "Contract Farming". Our experience in cultivation, marketing of plants and seeds enable us to assist the farmers in the best possible manner. Consequently, we have earned recognition in the market. We Have deal in herbal powder, Dry Herbs, Herbal Product, spices ETC.

Thank you