

SESAME

Recommended varieties/hybrids:

S.No.	Variety	Duration (Days)	Yield (Kg/acre)	Oil Content (%)	Seed colour	Special Characters
1.	Gouri	85	300	50	Dark Brown	Tolerant to gall fly
2.	Madhavi	70	250	50-51	Light Brown	Suitable for sequence cropping
3.	Rajeswari	80	300	50	White	Tolerant to stem rot and powdery mildew
4.	Swetha Thil	80	450	51-52	White	Tolerant to stem rot
5.	Chandana	85	450	50-51	Dark brown	Tolerant to phyllody
6.	Hima	75	480	48-50	White	Tolerant to phyllody and leaf spot



1. Suitability of the variety for the area (Recommended area for which variety has been released/recommended.)

: For coastal Andhra Pradesh: Gouri, Madhavi, Yelamanchili 11, Yelamanchili-66 For Telangana and Rayalaseema region: Rajeshwari, Swethatil, Chandana, Hima

2. Selection of field/land preparation (Type of topography, soil condition, tillage operations for seed bed etc.)

: Well drained, light or heavy soils with good fertility and water retention capacity are suitable. Low lying soils with water

stagnation, acidic and saline soils are not suitable. Two ploughings followed by two harrowing and leveling is required for land preparation.

3. Seed Treatment (Recommended chemical with dosages): Treat one-kilogram seed with 3 g captan/ thiram/ mancozeb.

4. Sowing Time (Optimum sowing period): For early kharif, May & June months are recommended. July second fortnight to August first fortnight suitable for late kharif conditions. Second fortnight of January to first fortnight of February.

5. Seed Rate/sowing method-line sowing with row to row and plant to plant distance : Sow 2 kg seed mixed with 6 kg sand/ac with seed drill, after 2-4 ploughings and leveling with 2 harrowings, adopting 30x15cm spacing.

6. Fertiliser Doses & time of fertiliser's application (Type and quantity of Fertilisers) :

Basal application of 4 t/ac FYM or 1.0 t/ac Vermicompost
Basal application of 16: 24: 8 kg NPK per acre is recommended
Top dressing with 20-25 kg Urea at 30 days interval is recommended.

7. Major disease and pest control (Type of Pest and disease with name of chemicals and dosages & timing of application):

Insects:

Sucking pests:

- Spray Dimethoate (2ml) or monocrotophos (1.6 ml)/l.

Semilooper and pod borer:

- Spray monocrotophos (1.6 ml)/ Chlorpyriphos (2.5 ml)/l.

Gallfly: -

- Spray monocrotophos (1.6 ml) or / dimethoate (2 ml)/l.

Bihar hairy caterpillar:

- Spray Chlorpyriphos (2.5 ml)/Acephate(1g) per L.

Diseases:

Root and stem rot:

- Treat the seed with Thiram or captan or Carbendazim @ 3 g/kg.
- Spray copper oxy chloride or mancozeb 3g/l.
Removal and destruction of affected plants.

Alternaria:

- Remove infected parts and destroy.
- Spray 1g Carbendazim/ Mancozeb 2.5 g/l 2-3 times with 15 days interval.

Phyllody:

- Remove infected parts and destroy.
Spray 1ml Methyl dematon or Dimethoate 3 ml/l.
- Powdery Mildew: Spray wettable Sulphur 3 g/l.



Powdery Mildew:

- Spray wettable sulphur @ 2.0 g/l of water.
Use tolerant varieties like Rajeswari and Swetha til



8. Irrigation schedule(Critical stages for irrigation and method of irrigation): Irrigate immediately after sowing and irrigate during flowering and seed set (35-70 days).

9. Harvesting(Approximate days of harvestable maturity) : Harvest when 75% pods turn yellow in a spike. Thresh after drying for 5-6 days and store the seed with 8% moisture.

10. Expected yield of the variety per acre from qtls to qtls /acre (Yield subject to use under area of adaption and the recommended climatic conditions and adoption of package and practices): 2-2.5 q/ac during kharif under rainfed conditions. 3-4 q/ac during Rabi/summer under assured irrigated conditions.

