

**PACKAGE AND PRACTICES
OF BLACKGRAM**



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In India, blackgram is one of the most important pulse crops and consumed in the form of Dal or parched. It is a nutritive fodder specially for the milch crop and it is also used as green manuring crop.

Blackgram contains about	24%	Protien
	60%	carbohydrates
	1.3%	Fat and
	5-10	times richer among variouse pulses in phosphoric acid.

Soil and Climate requierement:

It grows well in heavy soils however it can grow on all types of soils ranging from sandy loam to heavy clay, except alkaline and saline soils.

It requires hot and humid growing season. It can be grown successfully from sea level to an elevation of 1800m. Heavy rains during flowering stage are harmful and adversely affect the production.

Land preparation:

Land should be plough to be free from all types of weeds and stubbles.

Seed rate:

10-15Kg/ha or 2.5-3 Kg/ Sangam.

Seed treatment:

seed should be treated with thiram,or captan @ 3g/kg seed.

Method of sowing:

Broadcasting and dibbling.

Time of sowing:

May & June.

Spacing:

- a) Row to row 30cm
- b) Plant to plant 15cm

Manures and fertilizers:

8-10t/ha or 2.25t/Sangam of FYM or compost to be mix well in the soil 10-15 days before sowing.

Fertilizers: @ N : P₂O₅ : K₂O – 20: 30: 40: kg/ha

	per Ha	per sangam
Urea	44 Kg	11 Kg
SSP	250 kg	63 kg
MOP	50 kg	13 kg

Lime application: 500kg/ha or 125 Kg/sangam to be applied in furrows at the time of sowing

every alternate year.

Intercultural operations: Hand weeding at 20-25 days after sowing or keep the crop weed free

Upto 50 days after sowing.

Chemical weed control: Spray Stamp 30 EC @ 2.5l/ha mix with 150-200 l of water within two Days of sowing.

Plant protection measures

Hairy caterpillar - Dusting of 5% Carbaryl or 5% Malthion @ 20-25 Kg/ha in early crop stage to control larvae. Spray Dichlorovos 76 EC 0.04% (0.05ml/l of water) to control the pest.

Aphid and Jassids - Spray 0.07% Endosalfan (2ml/l of water) or Dimathoate 0.03% (1ml/l of water)

Stem borer- Apply Carbofuran 3 g @ 109 Kg/ha in the soil at the time of sowing.

Harvesting and Threshing:

The plants should be harvested when most of the pods turn black, over maturity results in shattering. The crop should be dried for few days.

Threshing can be done either manually or by trampling under the feet of bullocks.

Potential yield: 10-12q/ha or 2.5-3q/angam.

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