



Pomegranate Cultivation for Better Income



- ❖ Pomegranate is a good source of protein, carbohydrate, minerals, antioxidants, vitamin- A, B and C and has innumerable health benefits.
- ❖ Arid climate with mild winters and hot summers is ideal for its growth.
- ❖ Pomegranates are fairly drought and salinity tolerant.

Established commercial fruit crop

- ❖ Versatile adaptability
- ❖ Higher economic return (Rs. 3.5-4 lakh ha⁻¹)
- ❖ Export demand (67891.8 tons in 2018-19)



- ❖ Foliar feeding of multi micronutrient solution
- ❖ Irrigation with drip system on daily basis during crop season
- ❖ Judicious use of pesticides and other chemicals.
- ❖ Fruit cracking could be minimized by two sprays of borax 0.4% + zinc sulphate 0.5% at 15 days intervals at full growth of fruit along with proper irrigation (by drip system) + polythene mulching.
- ❖ Sun scald could be minimized by proper pruning and individual fruit bagging or row covering with non woven fabric



Bhagwa



CAZRI Vishal

- ❖ Bhagwa variety has high market demand and consumers preference for attractive red colour fruit.
- ❖ The pomegranate variety CAZRI Vishal is an early maturing variety with large size fruits (350-400 g), soft seeds, good aril recovery (60%) and juice content (40-45%)

Production practices...

Planting materials: Well hardened tissue cultured or cuttings

Pit preparation: Pit digging 15-25 days prior to planting, Size of pit 2 x 2 x 2 feet, Pit drenching with 0.15% carbendazim and 0.2% chlorpyrifos @4-5 litres pit⁻¹.

Pit filling: 2 parts soil + 1 part FYM + 1 kg neem or castor cake + 150 g SSP + 150 g MOP + 10 g carbofuron + 25-50 g *Trichoderma* + 25-50 ml *Paecilomyces lilacinus*

Planting: Rectangular planting system at spacing of 4 m x 3.5 m accommodating 715 plants ha⁻¹

Training system: Multi stem with 3-4 main stem

Pruning: Just after harvest and during bahar regulation, Shoot pinching during fruit set and growth

Bahar: Mrig bahar (July-February) is best season

Crop regulation: Withholding water in June followed by spraying of ethrel (2.0 ml L⁻¹) in July.

Fertigation: With water soluble macro nutrients at three days intervals.



- Cost of cultivation-Rs. 1.5-2.0 Lakh ha⁻¹ year
- Production 12-15 t ha⁻¹



Annual Net Income Rs. 3.5-4.0 lakhs



Employment 800 Man days year⁻¹

Advisories

- ❖ There should be provision of wind breaks and shelterbelts in areas of high wind velocity.
- ❖ Use only disease free and nematode free planting materials from reliable sources.
- ❖ Water and nutrient through ferti-drip systems
- ❖ Rain water harvesting and moisture conservation are some of the other approaches important for growing pomegranate under rainfed conditions.

