

Pomegranate

Plant Name: Pomegranate

Scientific Name: *Punica Granatum*

Family: *Punicaceae*

Spacing: 8x12, 8x14, 8x16 (plant to plant and row to row distance)

Varieties: Bhagwa, Super bhagwa, Solapur Lal, Ganesh, Sharad king

Properties of Pomegranate: India and China are the leading producers of pomegranate globally. Pomegranate is a rich source of antioxidants, vitamins and minerals, also having many medicinal properties and nutritional value.

Soil: Pomegranate can be grown on a wide range of soil. But loamy, medium deep, well drained having 7.5 pH suitable for cultivation. It can tolerate medium salt alkaline soil having pH 7.5-8.2.

Climate: Pomegranate is a sub-tropical fruit required hot and dry climate. It is drought tolerant and stands 38 °C for fruit development, also tolerant of low temperature.

Production: Commercial production starts 12 to 15 kg/plant during the first year of fruiting, from the second year onwards the yield per plant is around 15 to 20 kg.

Pest: Fruit sucking moth, Fruit borer, Thrips, Aphids, Mealybug

Disease: Bacterial blight, Fusarium Wilt, Anthracnose, Fruit rot, Fungal spots on fruit and leaves (*cercospora*, *Drechslera*, *Anthracnose*, *Scab*, *Alternaria*)



Pomegranate

Solapur lal

Variety: *Solapur lal*

Plantation date: 12/07/2023

Spacing: 12 x 8 feet

Plantation Area: 4.49 R

No. of plants: 51

Character of Solapur Red: Solapur lal Variety developed by crossing of *Bhagwa* x [(*Ganesh* x *Nana*) x *Daru*]. It is the Early fruiting and maturing variety, fruit maturity period 160–165 days (matures 15–20 days earlier than *Bhagwa*). Size is slightly smaller than *Bhagwa*. It is a Biofortified variety having deep red rind color, harder seed texture than other variety. Susceptible to oily spot/bacterial blight.

Production: Production starts after 2–3 years of plantation, commercial yield of fruits 130–140 fruit per tree, Yield 35–39 kg/tree.



Pomegranate

Jain tissue culture

Variety: *Jain tissue culture*

Plantation date: 26/07/2023

Spacing: 12 x 8 feet

Plantation Area: 2.99 R

No. of plants: 34

Character of Jain tissue culture: True to type, strong and well-developed root system, free from disease, pest and Nematodes. Bio fortified, the first crop gets ready for harvest within 24-26 months after plantation.

Production: Production starts after 2-3 years of plantation, commercial production starts after 3 years Yield 30t/ha/year.



Pomegranate

Bhagwa

Variety: *Bhagwa*

Plantation date: 06/11/2023

Spacing: 12 x 8 feet

Plantation Area: 5.99 R

No. of plants: 68

Character of Bhagwa: Bhagwa variety having large size fruit (400gm), having attractive dark saffron color, thick rind with dark red color. Soft seeded variety, good keeping quality, suitable for long transport. Less susceptible to fruit cracking and moderately susceptible to thrips and leaf spot and fruit spot. Resistant to internal breakdown. Fruit maturity period 170–190 days from fruit set.

Production: Production starts after 2–3 years of plantation, commercial production starts after 3 years Yield 22.50 t/ha/year.

