



Bio-fortified pomegranate hybrid “Solapur Lal”



**ICAR-National Research Centre on Pomegranate
Solapur-413255**

Website : nrcpomegranate.icar.gov.in | Email : nrcpomegranate@gmail.com

Pomegranate variety “Solapur Lal”

- Parentage : Hybrid obtained from the cross 'Bhagwa x [(Ganesh x Nana) x Daru]'
- Climate : Arid – semi arid climate receiving annual rainfall of 550-700 mm /annum is suitable.
- Soil : Well drained loamy soil rich in organic matter is preferred.
- Spacing : 4.5 mx 3.0 m (approximately)
- Population : about 740 plants/ha
- Planting : In pits of size 3 ft x3 ft x3 ft or 1mx1mx1m
- Planting : July –February under Solapur conditions
- Cropload : It is advisable to practice crop regulation from 3rd year onwards. The flowers should be removed up to 2 years. Thinning of flowers / fruits at setting stage is recommended to maintain optimum number of fruits.
- 3rd year : 60-80 fruits/plant
- 4th year : 80-100 fruits/plant
- 5th year : 100-120 fruits/plant
- 6th year onwards : 140-160 fruits/plant
- Pruning : Being nutrient responsive, this hybrid is vigorous in nature. Hence, pruning twice a year is recommended to maintain ideal plant canopy.

Characteristic features of pomegranate var. Solapur Lal:

- Fruit maturity : around 165 days after anthesis
- Yield (6th year onwards) : 23-27 t/ha
- TSS : around 17.5°B
- Seed texture : medium hard
- Rind thickness : medium
- Iron content : higher than 'Bhagwa'
- Zinc content : higher than 'Bhagwa'
- Anthocyanin, ascorbic acid : higher than 'Bhagwa'
- Fruit colour : Red
- Aril colour & size : Dark red, bold
- Fruit size : smaller than 'Bhagwa'
- Purpose : Suitable for processing- juice & table purpose
- Reaction to bacterial blight : This variety is not resistant to bacterial blight disease

Scientists Associated

K. Dhinesh Babu, N.V. Singh, Ram Chandra, Jyotsana Sharma, Ashis Maity, R.K. Pal, and V.T. Jadhav (ICAR-NRCP, Solapur) & S.H. Jalikop, P. Sampthkumar and B.N.S. Murthy (ICAR-IIHR., Bengaluru)



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