

Pomegranates

Manuring & Fertilization

The recommended dose of fertilizers is as follows :

Age of Plant (Years)	Recommended Dose of Fertilizers/Plant/Year.			
	FYM (kg)	N (g)	P (g)	K (g)
2	5	250	125	125
3	10	500	125	250
4	20	500	125	250
5	20	500	125	250
Above 5	30-40	625	250	250

(Source: Dept. of Agriculture, Govt. of Maharashtra)

During first three years, chemical fertilizers are applied in three equal doses in July, September and February. For bearing trees half dose of N and full dose of P and K is applied at the time of bahar treatment and the balance half of N is applied 1-1½ month thereafter. The manures and fertilizers should be applied in the tree basin one metre away from the trunk.

Use of Growth Regulators :

Judicious use of growth regulators at various stages could produce high quality pomegranates.

Purpose/effects	Stage of Application	Growth Regulator
To suppress the growth of new shoots and increase the girth of the main stem.	2 sprays at 8-10 days intervals during new shoot emergence period up to first 18 months after plantation.	Lihosin (500ppm)
To increase the photosynthesis activity of the young leaves.	2 sprays at 7-8 days interval five weeks after planting.	6 BA (20ppm)
Thinning of excess flowers by the use of chemicals.	Flowering stage	GA ₃ (20ppm)
To control unwanted flower drop and to increase the fruit set.	2-3 sprays at weekly intervals as soon as the flower drop is observed.	NAA (10ppm)
To impart natural attractive colour to the fruits during unfavourable climatic conditions.	2 sprays at 15 days interval at the time of fruit maturity.	Etherel (500ppm)