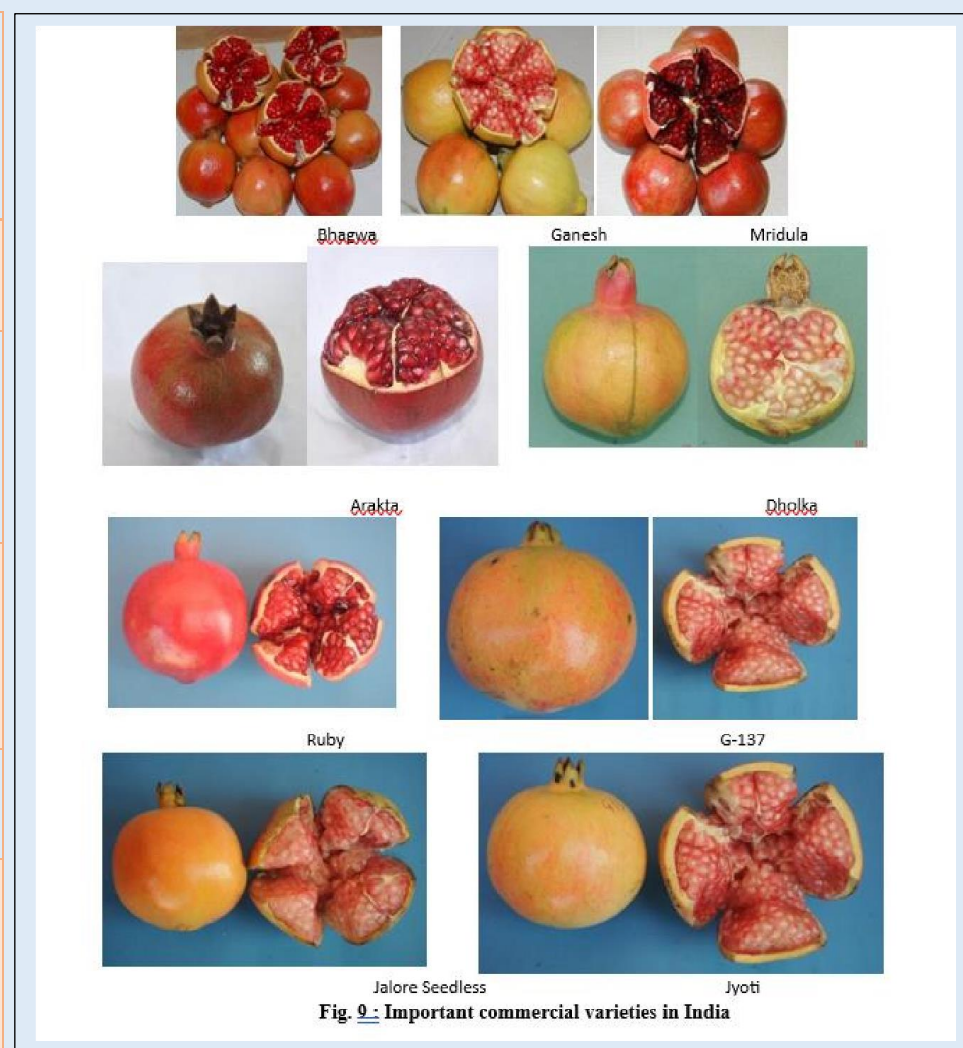


MATURITY INDICES

S. no.	Maturity indices	Attributes
1	Fruit Colour	When the skin attains its characteristic colour of variety (Reddish- Bhagwa, Ruby, Arakta, Mridula; Yellowish with red tinge- Ganesh and Jalore Seedless) with waxy shining surface.
2	Shape of crown and fruit	The bud at the anterior end of the fruit gets curved inside and become hard and dry at maturity. The fruit shape becomes compact.
3	Sound	The fruit gives a metallic sound when tapped.
4	Scratch	Properly mature fruits are easily scratched with finger nails.
5	Maturity period	The fruits become ready for harvest in 135-175 days after full bloom. Eg. Bhagwa (170-180 days), Ganesh (145-155 days), G-137 (145-150 days), Jalore Seedless (140-150 days), Phule Arakta (130-140 days) and Mridula (130-140 days)
S. no.	Maturity indices	Attributes
6	Aril colour	The arils attain deep intensity of colour (Dark red- Bhagwa, Pink-Ganesh, Light pink to pink-Jalore seedless) with high juice recovery
7	Juice colour	Red colour of juice in Bhagwa, Phule Arakta, Mridula, Ruby; Pink colour of juice in Ganesh and light pink in Jalore Seedless
8	TSS	12-16° Brix
9	Titration acidity	0.3-0.5%
10	TSS/acid ratio	It is one of the most reliable maturity indicators. Mature fruit have TSS/ acid ratio between 25 to 40.

Sr. No.	Characters	Ganesh	Mridula	Phule Arakta	Bhagawa
1	Colour of aril	Pink	Blood red	Dark red	Dark red
2	Fruit colour	Yellow	Reddish brown	Dark red with slight bluish	Dark saffron
3	Total soluble solids (%)	14.62	14.62	15.53	15.38
4	Acidity (%)	0.35	0.35	0.39	0.37
5	Peel thickness (cm)	0.35	0.35	0.24	0.40



Generally,

- 1.The fruit requires 130-150 days after fruit set for proper maturity**
- 2.In summer, the fruit colour changes from yellowish to dark red at maturity.**
- 3.The fruit is harvested when it gives cracking sound when tapped.**
- 4.The calyx at the distal end of the fruit gets closed at the time of maturity.**
- 5. Properly matured fruit is easily scratched with fingernails.**