

Custard Apple



Contact for more details:

82 7373 3030/82 7373 3535

Plant Name: Custard apple

Botanical / Scientific Name: *Annona Squamosa*

Family: *Annonaceae*

Spacing: 10x10, 12x8, 14x8, 16x8, 15x15 feet (plant to plant and row to row distance)

Varieties: Super golden, Balanagar, Phule purandar, H-1, D-6

Properties of Custard apple: India is the largest producer of custard apple among the world and Maharashtra ranks first in India. It has many medicinal properties and nutritional value, also helps in digestion and prevents constipation.

Soil: Custard apple can be grown on a wide range of soils, but shallow, sandy, medium to light soil having good drainage with 5.5 - 6.5 pH suitable for cultivation. It also can be grown in saline and alkaline soil also.

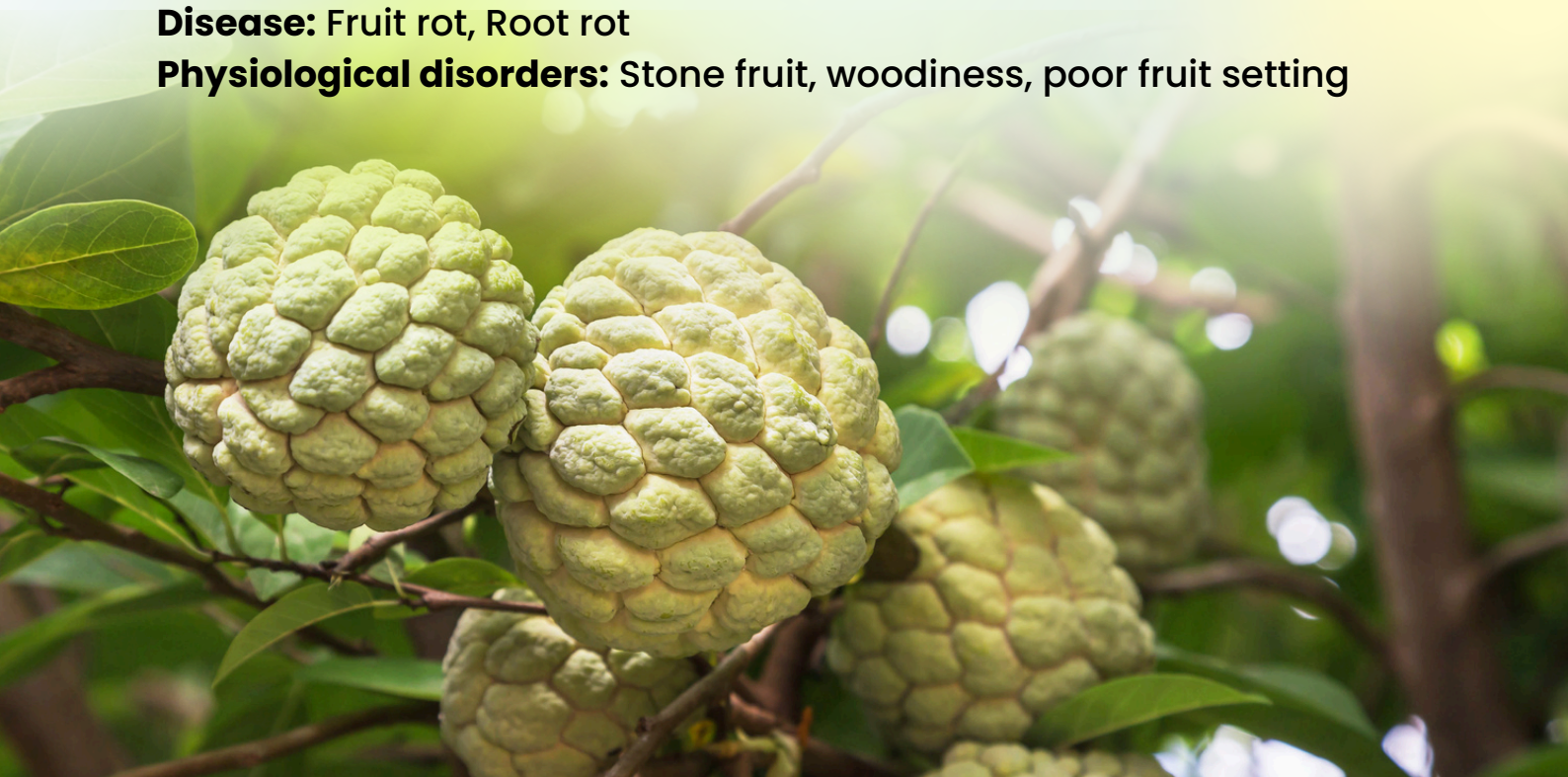
Climate: Custard apple Required warm and humid climate, tolerant to dry and drought conditions. Sensitive to frost. Suitable temperature is 20-35° C and annual rainfall ranging from 500-750 mm.

Production: Production starts after 4 years of plantation; best production starts after 6 years of plantation.

Pest: Mealy bug, Fruit fly

Disease: Fruit rot, Root rot

Physiological disorders: Stone fruit, woodiness, poor fruit setting



Custard Apple

Super golden



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Variety: Super golden

Plantation date: 09/07/2023

Spacing: 16 x 8 feet

Plantation Area: 8.8 R

No. of plants: 75

Character of Variety: Super golden is high yielding variety, large size (600-1000gm) and attractive golden color fruit, having low seed count and high pulp percentage, late maturation period, good keeping quality hence suitable for distance market. It's susceptible to fruit fly.

Production: Commercial production starts after 3-4 years after plantation (8 to 14 kg/plant)



Custard Apple

Phule purandar



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Variety: Phule purandar

Plantation date: 09/07/2023

Spacing: 16 x 8 feet

Plantation Area: 2.9 R

No. of plants: 25

Character of Variety: Fruit size is medium (450-550gm), sweetest pulp, having low seed count. Variety suitable for Mrug and Aambiya bahar.

Production: Commercial production starts after 3-4 years after plantation, 50 kg/tree after 10 years of plantation.



Custard Apple

Balanagar



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Variety: Balanagar

Plantation date: 09/07/2023

Spacing: 16 x 8 feet

Plantation Area: 2.9 R

No. of plants: 25

Character of Variety: Medium fruit size (360gm) with green color. High sweetness and high seed count, low keeping quality hence suitable for the local market and processing industry.

Production: 7 t/ha (10-15 kg/plant) 50 – 100 fruits/plant



Custard Apple

D-6



Contact for more details:
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Variety: D-6

Plantation date: 10/07/2023

Spacing: 16 x 8 feet

Plantation Area: 2.9 R

No. of plants: 25

Character of Variety: Perfect round shape fruit (240-380gm) with attractive shiny green external fruit color.

Production: 7.40 t/ha (12-15 kg/plant) 50 – 100 fruits/plant



Custard Apple

H-1



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Variety: H-1

Plantation date: 10/07/2023

Spacing: 16 x 8 feet

Plantation Area: 2.9 R

No. of plants: 25

Character of Variety: Medium size fruits, average weight of fruit 270-300 gm, fruits are slightly yellowish in colour, fruits are sweet & granulated in nature.

Production: 6.5 t/ha (10-12 kg/plant) 50 – 100 fruits/plant



Custard Apple Crop Economics



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NMK-1 Super Golden Custard apple one acre (0.40 R) cost of cultivation and production								
subject	Crop	Plantation spacing	Total area		No. of plants			
	Custard apple	16 x 8 Feet	1 (40 R)		340			
Sr. No	Work	Details	First year expenses	Second year expenses	Third year expenses	Fourth year expenses	Fifth year expenses	For Next ah
1	Testing	Soil and water testing	700	0	0	0	0	0
2	land preparation	Plow and Rotavator (Including Crop)	4,000	2,000	2,000	2,000	2,000	2,000
3	Digging pit cost	340 x 20 Per pit plantation	6,800	0	0	0	0	0
4	Manure cost	2 Trolley x 5000	10,000	0	10,000	0	10,000	10,000
5	Chemical fertilizer cost	500 kg	3,000	2,000	3,000	4,000	4,000	4,000
6	The cost of the plant	340 plants x 20	6,800	0	0	0	0	0
7	Labour cost	Male and female	1,500	1,500	2,000	3,000	3,000	3,000
8	Bamboo cost		1,500	0	0	0	0	0
9	Drip irrigation cost		20,000	0	0	0	0	0
10	Spraying cost		1,000	1,500	2,000	3,000	3,000	3,000
11	Others cost		1,000	2,000	2,500	3,000	4,000	4,000
12	Total cost	Rs.	56,300	9,000	21,500	15,000	26,000	26,000
13		2 years management cost up to first income	65,300					
14	Production	Weight of the fruit (Ton)	0	0	3	5	7	Min 9
15	Rate	Rs .			50	50	50	50
16	Total	Rs .	0	0	1,50,000	2,50,000	3,50,000	4,50,000
17	Net Profit	Minimum net profit after an average of three years (Total Income - Total Cost)	0	0	1,28,500	2,35,000	3,24,000	Min 4,24,000
18	Intercrop production	Kharif soybean acre production (6 quintals x 4000)	24,000	24,000	24,000	0	0	0
19		Rabi gram acre production (4 quintals x 5000)	20,000	20,000	20,000	0	0	0
20		Intercropping production	44,000	44,000	44,000	0	0	0
21	Intercropping production cost	Kharif Soybeans	14,700	14,700	14,700	0	0	0
22		Rabbi Gram	9,000	9,000	9000	0	0	0
23		Intercropping costs	23,700	23,700	23,700	0	0	0
24	Intercropping production - intercrop production cost		44000-23700	44000-23700	44000-23700	0	0	0
25	Intercrop net profit + Main crop profit		20,300	20,300	20,300	0	0	0
26	Net Profit after 2 Years		0	0	1,48,800	2,35,000	3,24,000	Min 4,24,000
27	Note: The above planting is at a 16 x 8 feet spacing, but changes in spacing, as well as changes in management practices, land, soil-climate, market, etc., may result in higher cost and lower production							