

Guava



Contact for more details:
82 7373 3030/82 7373 3535

Plant Name: Guava

Scientific Name: Psidium guajava

Family: Myrtaceae

Spacing: 06x10, 10x10, 6x12, 8x12 8x16, 15x15 feet or 6x6 Meter (plant to plant and row to row distance)

Varieties: L49, Taiwan pink, VNR Bihi, Red diamond.

Properties of Guava: India is the largest producer of guava among the world (45% of worlds guava) and Bihar ranks first in India.

Guava, also known as poor man's apple, Rich source of vitamin C.

Guava fruits and leaves have many medicinal properties and nutritional values. Provides antioxidants, fibers, vitamins, minerals, boost immune system and improve digestion.

Soil: Guava adapts a wide range of soil but well drained, light, sandy loam to clay soil suitable for cultivation. Guava is a highly salt tolerant crop, required pH 7.5–9.0. Avoid water logged and high calcium carbonate rich soil.

Climate: Guava is a tropical fruit required hot and dry climate for growth and development. Optimum temperature for Guava is 23–28°C and annual rainfall is 100 cm. More than 250 cm rainfall and humid atmosphere is not suitable for guava cultivation.

Production: Production starts after 3 years of Plantation, 3rd year of plantation 7– 8 t/ha (25–30 kg/plant) at 10x6 distance. Average production 25–30 t/ha.

Pest: Mealy bug, Fruit fly, Aphids, Stem borer, Scale insects, Nematodes

Diseases: Guava wilt, Fruit rot, Fruit canker



Guava

L-49



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Variety: L-49

Plantation date: 10/07/2023

Spacing: 6 x 10 Feet

Plantation Area: 3.80 R

No. of plants: 69

Character of L-49: Selection from Allahabad safeda. Semi dwarf tree having horizontal growth. This variety is very hardy and can with stand low water availability and light soil. High yielding variety, large fruit size, roundish, ovate shaped, fruits yellow skin color, soft flesh with few seeds, and good keeping quality of fruit.

Production: Production starts after 3 years of Plantation, 3rd year of plantation 7- 8 t/ha (25-30 kg/plant) at 10x6 distance. Average production 25-30 t/ha.



Guava

Taiwan pink



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Variety: Taiwan pink

Plantation date: 22/11/2023

Spacing: 6 x 10 Feet

Plantation Area: 2.52 R

No. of plants: 46

Character of Taiwan: Early variety, large size fruit (300-400gm) inside pinkish color. But poor keeping quality.

Production: Early variety, fruiting starts within 6 months of plantation. Commercial production starts after 2 to 3 years of plantation. Yield 35-40 kg/plant.



Guava

Red Diamond



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Variety: Red Diamond

Plantation date: 22/11/2023

Spacing: 6 x 10 Feet

Plantation Area: 2.52 R

No. of plants: 46

Character of Red Diamond: Hybrid variety known for its round and oval shape, greenish yellow skin inside reddish pink flesh and sweet flavor. Used in juices, jams good source of vit c and dietary fiber, fruit having minimum shelf life. Seedless fruit (seed cavity 5-10 seeds), Large size fruit (400-1000gm).

Production: 3 rd Year – 25-40 Kg/plant



Guava

VNR Bihi



Contact for more details:
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Variety: VNR Bihi

Plantation date: 22/11/2023

Spacing: 6 x 10 Feet

Plantation Area: 1.26 R

No. of plants: 23

Character of VNR Bihi: Early variety, prolific bearer, low seed cavity, Large size attractive uniform fruit (300-1000gm), high keeping quality, suitable for long transport, TSS 10-11° Brix.

Production: A VNR Bihi guava tree can produce 30-70 kg of fruit, with each fruit weighing 150-200 g



Guava crop economics



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L49 Guava One Acre (0. 40 R) Cost of cultivation and production								
Sr. No	Name of work	Details	First year expense	second year expense	Third year expense	Fourth year expense	Fifth year expense	For all subsequent years
1	Testing	Soil and water testing	700	0	0	0	0	0
2	Land preparation	Ploughing and rotavator	4,000	2,000	2,000	2,000	2,000	2,000
3	Digging pit cost	726 x 20 per pit plantation	14,520	0	0	0	0	0
4	Manure cost	2 trolley	10,000	0	10,000	10,000	10,000	10,000
5	Chemical fertilizer	500 kg	3,000	2,000	3,000	5,000	5,000	5,000
6	Cost seedlings	726 x 25	18,150	0	0	0	0	0
7	Labour cost	Male and female (cutting and weeding costs)	3,000	4,000	4,000	5,000	5,000	5,000
8	Bamboo cost	-	3,000	0	0	0	0	0
9	Drip irrigation cost	-	20,000	0	0	0	0	0
10	Spraying cost	Pest and disease control	3,000	3,000	4,000	4,000	5,000	5,000
11	Other cost	-	1,000	1,000	1,000	1,500	1,500	1,500
12	Total cost	Rs.	80,370	12,000	24,000	27,500	28,500	28,500
13		2 years management cost up to first income	90,370					
14	Production	Weight of two fruit bloom (Bahar) per year (tons)	0	0	7	8	10	Minimum 12
15	Price per kg	Rs.	0	0	20	20	20	20
16	Total Income	Rs.	0	0	1,40,000	1,60,000	2,00,000	2,40,000
17	Net profit	Minimum net profit after an average of two years (Total Production - Total Cost)	0	0	1,16,000	1,32,500	1,71,500	2,11,500
18	Intercropping production	Kharif soybean acre production (6 quintals x 4000)	24,000	24,000	0	0	0	0
19		Rabi Gram Acre Production (4 quintals x 5000)	20,000	20,000	0	0	0	0
20		Intercropping production	44,000	44,000	0	0	0	0
21	Intercrop production cost	Kharif soybean	14,000	14,000	0	0	0	0
22		Rabbi Herbara	9,000	9,000	0	0	0	0
23	-	Intercropping cost	23,000	23,000	0	0	0	0
24	Intercrop production - production costs		44000 - 23000	44000 - 23000	0	0	0	0
	Intercropping net profit		21,000	21,000	0	0	0	0
25	Net Profit after 2 Years		0	0	1,16,000	1,32,500	1,71,500	2,11,500
26	Note :The above planting is at a 10 x 6 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							