

# Papaya



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

**Plant Name:** Papaya

**Botanical/Scientific Name:** *Carica papaya*

**Family:** *Caricaceae*

**Plantation date:** Upcoming Oct-Nov 2025 plantation

**Spacing:** 8 x 7 feet (plant to plant and row to row distance)

**Total area of plantation:** 20 R

**No. Of plants:** 340

**Variety:** Taiwan 786/Red lady, 15 Number.

**Specification of Papaya :** Papaya is a sweet nutritious fruit, rich source of vitamin A (2020 IU/100gm), vit C (85 mg/100gm), protein, carbohydrates, papaya is known as backyard fruit. India is leading in papaya production. Papaya is a hermaphrodite plant in which male, female and bisexual plants are found.

**Character of variety:** Taiwan 786 is thick peel variety mostly preferred for long market due to its good keeping quality, High yielding and sweet variety, Susceptible to virus.

**Soil:** Alluvial medium black, well drained fertile, organic matter rich soil with 6.5-7.0 pH most suitable for papaya cultivation. Strictly Avoid water logged soil.

**Climate:** Papaya is a Tropical, day neutral and thermosensitive plant. 22-26 °C temperature required for growth. High temp during flowering causes sterility. Sensitive to frost, water stagnation and heavy wind. Suitable annual rainfall ranging from 150-180 cm.

**Production:** Production starts after 7-8 months of planting, average 40kg/plant.

**Pest:** Mealy bug, Fruit fly, Thrips, Aphid, Red spider mite, White fly.

**Disease:** Leaf curl virus, Papaya mosaic virus, Ringspot virus, Root rot, Collar rot, Powdery mildew, Downy mildew.



# Papaya

## Taiwan 786



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

**Variety:** Taiwan 786

**Plantation date:** Upcoming Oct-Nov 2025 plantation

**Spacing:** 8 x 7 feet

**No. Of plants:** 170

**Character of Taiwan 786:** Taiwan 786 is thick peel variety mostly preferred for long market due to its good keeping quality, High yielding and sweet variety, Susceptible to virus.

**Production:** Production starts after 7-8 months of planting, average 40kg/plant.



# Papaya

## 15 Number



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

**Variety:** 15 Number

**Plantation date:** Upcoming Oct-Nov 2025 plantation

**Spacing:** 8 x 7 feet

**No. Of plants:** 170

**Character of Taiwan 786:** Papaya 15 Number" refers to a popular hybrid papaya variety in India, known for its high yield, disease resistance (especially to papaya ring spot virus), long shelf life, and delicious, sweet fruits. It's also known as 15 No. Long Shelf Life. Unpredictable male female ratio of plants seen.

**Production:** Production starts after 7-8 months of planting, average 40kg/plant.



# Papaya Crop Economics



Contact for more details:  
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Subject	Crop	Date of planting	Total Area (Acres)	Plantation Distance	Number of Plants	Intercrop	Intercrop Plantation Distance
	Papaya Taiwan 786		1	8 x 6 Feet	908	Watermelon	8x1.25
Subject	Details						Expense details
(A) Capital required at the time of planting	Soil testing						400
	Water testing						300
	Ploughing						2,000
	Rotavator						2,000
	Manure 2 trolleys ( Per Trolleys 2x5,000)						10,000
	Bed preparation						1,500
	Basal Dose						8,000
	Drip irrigation						20,000
	Mulching paper						9,000
	Mulching paper laying cost						1,500
	Price per plant(9x908)						8,172
	The cost of planting plants						1,200
<b>Cost A</b>							<b>64,072</b>
(B) Total cost up to harvesting after planting	Fertilizer / Water soluble fertilizer						14,400
	Spraying Cost						8,800
	Labour Cost						5,000
	Harvesting Labour Cost (Per harvest 1,000 x 9 )						9,000
	Crop Duration						14 Months
	Harvesting Period						8-14 months
	Total Harvest						8-9
<b>Cost B</b>							<b>37,200</b>
<b>Total Maincrop Cost</b>	<b>Cost A + Cost B</b>						<b>101,272</b>
(C) Intercropping cost (Watermelon)	Seeds						10,500
	Planting Cost						2,000
	Fertilizer Cost						10,000
	Spraying Cost						10,000
	Harvesting Cost						3,000
	Labour Cost						2,000
	Intercrop Duration						3 Months
<b>Total intercrop cost (Cost C)</b>							<b>37,500</b>
<b>Total Cost</b>	<b>Cost A + B + C</b>						<b>1,38,772</b>
Main Crop Production (Papaya)	Total plants x Production Per plant x Average rate (908 x 40 kg x 8 rs)						2,90,560
Intercrop Production (Watermelon)	Per Acre - A Grade Tons generated x Average rate per ton (17 x 6000)						1,02,000
Intercrop Production (Watermelon)	Per Acre - B Grade Tons generated x Average rate per ton (5 x 3000)						15,000
<b>Total income per acre</b>	<b>2,90,560 + 1,02,000 + 15,000</b>						<b>4,07,560</b>
<b>Net profit/Net return</b>	<b>Total income - Total cost (Cost A , B, C)</b>						<b>2,68,788</b>
<b>BCR (Benefit Cost Ratio)</b>	<b>Total income ÷ Total cost</b>						<b>1:2.94</b>
<p>Note: The above planting is at a 8 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.</p>							