

# **APPENDICES**

## APPENDIX – I

**Physical properties of papaya, 25 days after flowering**

Sample No.	Length (cm)	Breadth (cm)	Wt. of fruit (g)	Volume (cm <sup>3</sup> )	Density (cm <sup>3</sup> )	Wt. of pulp (g)	Wt. of peel (g)	Wt. of seed (g)	Pulp/ peel ratio	Colour
1	4.1	2.4	6.0	7.0	0.86	4.8	1.2	---	4.0	White green
2	5.0	3.2	9.0	10.0	0.90	7.9	1.09	---	7.2	White green
3	4.3	2.4	7.0	9.0	0.77	5.7	1.3	---	4.3	White green
4	3.8	1.86	8.0	10.0	0.8	6.5	1.4	---	4.6	White green
5	4.2	2.62	8.0	9.0	0.88	6.5	1.4	---	4.6	White green

**Physical properties of papaya, 40 days after flowering**

Sample No.	Length (cm)	Breadth (cm)	Wt. of fruit (g)	Volume (cm <sup>3</sup> )	Density (cm <sup>3</sup> )	Wt. of pulp (g)	Wt. of peel (g)	Wt. of seed (g)	Pulp/ peel ratio	Colour
1	6.1	4.5	33.0	44.0	0.75	28.1	4.85	---	5.79	Pale green
2	5.3	4.05	26.0	30.0	0.86	22.8	3.2	---	7.12	Pale green
3	5.5	3.9	27.0	32.0	0.84	24.2	2.76	---	8.7	Pale green
4	4.6	2.8	11.0	18.0	0.61	8.5	2.5	---	3.4	Pale green
5	5.0	3.05	18.0	28.0	0.64	13.7	4.3	---	3.18	Pale green

**Physical properties of papaya, 55 days after flowering**

Sample No.	Length (cm)	Breadth (cm)	Wt. of fruit (g)	Volume (cm <sup>3</sup> )	Density (cm <sup>3</sup> )	Wt. of pulp (g)	Wt. of peel (g)	Wt. of seed (g)	Pulp/ peel ratio	Colour
1	7.05	4.5	71.1	82.2	0.86	59.1	11.2	0.12	5.27	Green
2	7.9	5.3	80.4	94.6	0.84	70.4	10.0	0.15	7.04	Green
3	7.1	4.65	72.0	85.4	0.84	61.7	10.6	0.13	5.82	Green
4	6.5	4.1	66.0	78.1	0.83	54.3	11.2	0.06	4.87	Green
5	6.4	3.9	63.5	75.0	0.84	52.3	10.5	0.04	4.98	Green

**Physical properties of papaya, 70 days after flowering**

Sample No.	Length (cm)	Breadth (cm)	Wt. of fruit (g)	Volume (cm <sup>3</sup> )	Density (cm <sup>3</sup> )	Wt. of pulp (g)	Wt. of peel (g)	Wt. of seed (g)	Pulp/ peel ratio	Colour
1	8.5	6.2	120.8	150.5	0.80	105.6	15.2	0.27	6.94	Dark green
2	8.15	6.0	118.4	144.0	0.82	102.7	15.7	0.22	6.54	Dark green
3	7.1	5.1	96.0	127.0	0.75	79.8	15.2	0.11	5.25	Dark green
4	7.7	5.7	111.7	142.5	0.78	95.2	16.5	0.22	5.77	Dark green
5	7.4	5.1	107.1	137.2	0.78	92.7	14.4	0.18	6.44	Dark green

Physical properties of papaya, 85 days after flowering

Sample No.	Length (cm)	Breadth (cm)	Wt. of fruit (g)	Volume (cm <sup>3</sup> )	Density (cm <sup>3</sup> )	Wt. of pulp (g)	Wt. of peel (g)	Wt. of seed (g)	Pulp/peel ratio	Colour
1	10.2	6.4	144.7	172.9	0.83	123.9	20.6	0.57	6.0	Dark Green
2	9.9	6.25	142.4	169.2	0.84	122.2	20.1	0.44	6.07	Dark Green
3	9.7	6.2	141.2	167.4	0.85	121.7	19.4	0.4	6.27	Dark Green
4	9.4	5.8	137.95	164.7	0.83	119.7	18.1	0.32	6.62	Dark Green
5	9.2	5.45	135.35	162.7	0.83	116.25	19.0	0.27	6.12	Dark Green

Physical properties of papaya, 100 days after flowering

Sample No.	Length (cm)	Breadth (cm)	Wt. of fruit (g)	Volume (cm <sup>3</sup> )	Density (cm <sup>3</sup> )	Wt. of pulp (g)	Wt. of peel (g)	Wt. of seed (g)	Pulp/peel ratio	Colour
1	12.4	7.2	228.0	265.0	0.85	200.3	27.1	0.56	7.39	Dark green
2	11.7	6.9	212.0	238.7	0.89	185.2	26.4	0.4	7.01	Dark green
3	10.5	6.76	208.0	228.0	0.91	182.2	25.5	0.32	7.14	Dark green
4	11.9	6.8	213.0	273.0	0.78	186.0	26.4	0.4	6.94	Dark green
5	10.4	6.5	205.0	201.0	1.02	179.3	25.4	0.3	7.05	Dark green

Physical properties of papaya, 115 days after flowering

Sample No.	Length (cm)	Breadth (cm)	Wt. of fruit (g)	Volume (cm <sup>3</sup> )	Density (cm <sup>3</sup> )	Wt. of pulp (g)	Wt. of peel (g)	Wt. of seed (g)	Pulp/peel ratio	Colour
1	12.3	7.36	287.0	275.0	1.04	252.4	34.05	0.55	7.41	Dark Green
2	11.7	6.79	263.0	250.0	0.95	230.8	31.72	0.42	7.27	Dark Green
3	13.6	8.14	354.0	343.5	1.03	312.5	40.68	0.75	7.68	Dark Green
4	12.0	7.12	276.0	245.0	0.89	242.6	33.0	0.30	7.38	Dark Green
5	12.8	7.5	305.0	286.5	0.94	268.0	36.33	0.50	7.37	Dark Green

Physical properties of papaya, 130 days after flowering

Sample No.	Length (cm)	Breadth (cm)	Wt. of fruit (g)	Volume (cm <sup>3</sup> )	Density (cm <sup>3</sup> )	Wt. of pulp (g)	Wt. of peel (g)	Wt. of seed (g)	Pulp/peel ratio	Colour
1	13.8	8.2	347.0	296.0	1.17	306.2	39.86	0.7	7.68	Dark green
2	13.5	7.78	337.0	323.5	0.96	298.0	38.07	0.63	7.82	Dark green
3	14.0	8.0	343.0	302.0	0.88	304.0	39.54	0.56	7.88	Dark green
4	13.0	7.15	304.0	283.0	0.93	245.0	37.62	0.48	6.51	Dark green
5	14.6	8.7	355.0	426.0	1.2	311.7	41.04	0.81	7.35	Dark green

**Physical properties of papaya, 145 days after flowering**

Sample No.	Length (cm)	Breadth (cm)	Wt. of fruit (g)	Volume (cm <sup>3</sup> )	Density (cm <sup>3</sup> )	Wt. of pulp (g)	Wt. of peel (g)	Wt. of seed (g)	Pulp/peel ratio	Colour
1	14.65	9.2	517.0	553.0	0.934	452.0	65.0	0.8	6.95	Yellow with spots green
2	13.45	8.08	391.0	370.0	1.05	342.6	48.0	0.76	7.13	Yellow with spots green
3	13.86	7.45	344.0	336.0	1.02	295.4	40.1	0.70	7.38	Yellow with spots green
4	14.27	9.21	489.0	402.0	1.21	428.0	60.2	0.74	7.13	Yellow with spots green
5	14.0	8.93	443.0	438.0	1.01	383.0	55.0	0.62	6.96	Yellow with spots green