

## SPACING RECOMMENDATIONS AND PLANT POPULATION OF IMPORTANT CROPS IN KERALA

Sl.No	Crops	Particulars	Spacing
1	Rice - Virippu	Medium duration	20 x 15 cm
		Short duration	15 x 10 cm
	Mundakan	Medium duration	20 x 10 cm
		Short duration	15 x 10 cm
	Puncha	Medium duration	20 x 10 cm
		Short duration	15 x 10 cm
2	Ragi		25 x 15 cm
3	Maize		60 x 25 cm
4	Sorghum		45 x 15 cm
5	Cowpea		
	a. for gain & dual purpose	i. Dibbing	25 x 15 cm
	b. for vegetable type	i Bush	30 x 15 cm
ii Trailing		2 x 2 cm	
6	French bean		30 x 20 cm
7	Green pea		15-20 x 10 cm
8	Amorphophallus		90 x 90 cm
9	Colocasia		60 x 45 cm
10	Greater yam (Kachil)		1 m x 1 m
11	Lesser yam (Nanakizhangu)		75 x 75 cm
12	Sweet potato	Ridges	60 x 15-20 cm
		Mounts	75 x 75 cm
13	Tapioca	Branching type	90 x 90 cm
		Non branching type	75 x 75 cm
14	Cashew	1. Poor soil	7.5 x 7.5 m
		2. Rich & deep soil & Sandy coastal area	10 x 10 m
15	Sugar cane	Short duration	75 x 75 cm
		Medium duration	90 x 90 cm
16	Coconut	Triangular method	7.6 m
		Square	7.6 to 9 m
		Single hedge	9 x 5 m
		Double hedge	5 x 5 m in rows 9m between pairs of rows.
17	Groundnut		15 x 15 cm
18	Oil palm		9. m
19	Cardamom		1.8. m x 0.60 m
20	Cinnamon		2 x 2 m
21	Clove		6 x 6 m
22	Vanilla		1.8 x 2.7 m
23	Ginger		20 x 20 cm to 25 x 25cm.
24	Mango Ginger		25 x 30 cm

25	Nutmeg		8 x 8 m
26	Pepper		3 x 3 m
27	Turmeric		25 x 25 cm
28	Kudampuli		
	a. Graft		4 x 4 m
	b. Seeding		7 x 7 m
29	Tamarind		10 x 10 m
30	Arecanut		2.7 x 2.7 m
31	Coffee		
	a. Tall Arabica		2.1 x 2.1 m
	b. Semi dwarf		1.8 x 1.8 m
	c. Dwarf		1.5 x 1.5 m
	d. Hybrid		2.5 x 2.5 m
	e. Robusta		3 x 3 m
32	Tea		
	a. Up & down		1.2 x 1.2 m
	b. Contour planting	Single hedge	1.2 x 0.75 m
	c. Contour planting	Double hedge	1.35 X 0.75 X 0.75 m
33	Tobacco		85 x 85 cm
34	Okra (Bindhi)		60 x 45 cm
35	Coleus		30 x 15 cm
36	Bitter gourd		2 x 2 m
37	Snake gourd		2 x 2 m
38	Cucumber		2 x 1.5 m
39	Water melon		3 x 2 m
40	Bottle gourd		3 x 3 m
41	Pumpkin		4.5 x 2 m
42	Ash gourd		4.5 x 2 m
43	Brinjal		
	a. Less spreading varieties		60 x 60 cm
	b. Spreading varieties		75-90 x 60 cm
44	Chilli		
	a. Less spreading varieties		45 x 45 cm
	b. Spreading varieties		75 x 45-60 cm
45	Tomato		60 x 60 cm
46	Cabbage		45 x 45 cm
47	Cauliflower		60 x 45 cm
48	Carrot		45 x 10 cm
49	Beet root		45 x 15-20 cm
50	Radish		45 x 10 cm
51	Potato		50-60 x 15-20 cm
52	Garlic		15 x 8 cm
53	Winged bean		1.25 x 0.5 m
54	Dolichos bean		
	a. Pole type varieties		1.25 x 0.75 m
	b. Bush type varieties		60 x 15 cm

55	Cluster bean		45-60 x 20-30 cm
56	Sword bean		
	a. Pole type varieties		4 x 3 m
	b. Bush type varieties		60 x 60 cm
57	Clove bean		100 x 60 cm
58	Little gourd		4 x 3 m
59	Smooth gourd		2 x 2 m
60	Ridge gourd		2 x 2 m
61	Bell pepper		60 x 30 cm
62	Drumstick		4 x 4 m
63	Indian Spinach		1 x 0.6 m
64	Water leaf		30 x 10 cm
65	Curry leaf		4 x 4 m
66	Banana		2 x 2 m
67	Indian Goosberry		8 x 8 m
68	Jack		12-15 m
69	Mandarin Orange		7-8 m
70	Mango		9 m
71	Papaya		2 x 2 m
72	Pineapple		
	a. Kew		70 x 30 cm
	b. Mauritius		45 x 30 cm
73	Sapota		7-8 m
74	West Indian Cherry		6 m

Source:- Farm Guide 2012, Farm information Bureau, Government of Kerala