

Data and information of Home Gardens in Kilinochchi District



Land Use Policy Planning Department
Ministry of Lands and Land Development
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Definition for Home Garden¹

1. A piece of land which has a dwelling house and some form of cultivation can be considered as a home garden if the total area of the piece of land is **twenty or less than twenty** perches.
2. A piece of land which has a dwelling house and some form of cultivation, if total land areas is **more than twenty** perches can also be considered as a home garden if following two conditions are satisfied.
 - a. It is mainly meant for residential purposes.
 - b. A produce of cultivated land in the home garden is largely for home consumption.

Examples for Home Garden

- a) A land of extent 20 perches or less has a dwelling house and a few bearing coconut trees.
- b) A land of 20 perches or less, has a dwelling house and having extensive cultivation mainly for commercial purposes

By definition (1) this land can be considered as a home garden

- c) A two acre land has dwelling house. Although the extent covered by a house is comparatively small and few crops are grown mainly for home consumption.

According to definition (2) this land is also a home garden.

- d) A small house in a two roods land. But the usable land has been intensively cultivated with vegetable crops which are mainly for sale.

Although this land has a dwelling house and also extent is small, as the produce from the land is not mainly for home consumption, it will not be treated as a home garden.

However, in this survey cases like (d) have been treated as a home garden by excluding the area under commercial cultivation. For an example a one acre land with cinnamon cultivation (commercial purpose) also having a dwelling house, a small area around the house, may be 20 perches or less was separated out from the total land and considered as a home garden. Rest of the land was not counted to the home garden area and it was treated as land area under commercial cultivation.

¹ Department of Census and Statistics, Sri Lanka.

Conversion Factors

All figures in the data tables are given in hectares. However, only total figures of all tables were converted into acres and given in a separate row at the end of each table. Due to inadequate space of the tables it is not possible to accommodate all figures in both units. The following conversion factors can be used to convert hectares into acres or perches.

Unit	Metric	Conversion factor	Equivalent Imperial Unit
	Hectare	Multiply by 2.47	Acre
	Hectare	Multiply by 395	Perches

Note: *The home garden total extents given in the last two rows of the tables are presented as rounded figures without decimals. In some cases, when you are totaling the extent figures of the tables, total and grand total figures may slightly vary due to the adding of decimals.*

1. Distribution of home gardens in Kilinochchi District

Kilinochchi District is situated in the Northern part of Sri Lanka. Administratively, the district is divided into four Divisional Secretariat divisions; namely Karachchi, Kandawalai, Poonagary, and Pachchilaipalli. There are ninety-five Grama Niladhari divisions in these D.S Divisions. People migrated from other districts under different settlement and agriculture development schemes implemented by government. The district was colonized in 1,936 by residents mainly from Jaffna Peninsula as part of a scheme that sought to ease over population and unemployment. Thereafter home gardens were developed by clearing of forest area gradually. People in other districts were encouraged to settle in Kilinochchi mainly due to the availability of irrigation schemes and fertile lands.

Out of four D.S divisions; people densely populated in Karachchi DS division. In other DS divisions home gardens are scattered. The distribution pattern of the home gardens in the Kilinochchi district are shown in the Figure 1. The total extent of all home gardens is approximately 17,965 ha. (44,374 acres). However, the present extents of home gardens are slightly higher than the data of National Land Use Survey (2019), mainly due to the expansion of home gardens and inclusion of some areas based on the home garden definition considered. Further, it should also be noted that as all extents are obtained from mapping exercise, they are approximate and they can only be acceptable for planning purposes.

2. Present status of home gardens in Kilinochchi District

Kilinochchi district is under the low country dry zone category. The average annual rainfall in this region is 1,325mm and 75% of the rainfall receives during the period of September to December by North–East monsoon period, and average temperature ranges between 28-32°C. The topography is almost flat.

Most of the home gardens are in underutilized condition due to number of issues such as inadequate water during dry season, lack of capital, physical limitations of soil, damage by stray animals, lack of labour, high cost of fencing, low yield, flooding and erosion during rainy season and absence of land owner.

Most of the home gardens are having wells as their water source, however, some of the wells are drying during the prolonged dry period. Pipe borne water is available only in Kilinochchi town area. There are significant number of home gardens is having lift irrigation and gravity irrigation facilities. In Karachchi D.S. Division, 356 people are getting water through lift irrigation and in Kandawalai D.S. Division 301 people are getting water through gravity irrigation system. (Table 1 and Figure 3).

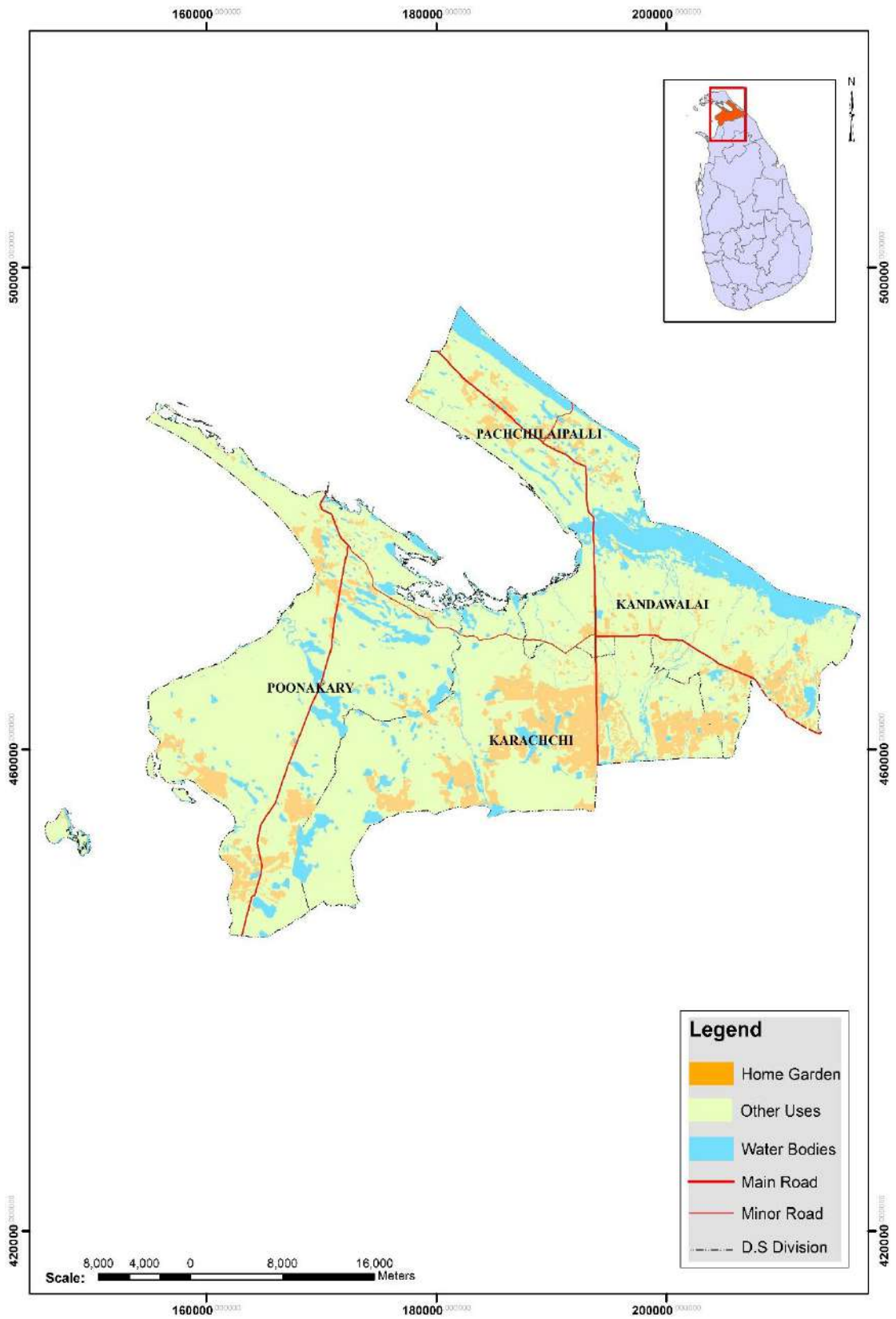


Fig 1. Distribution of home gardens in Kilinochchi District

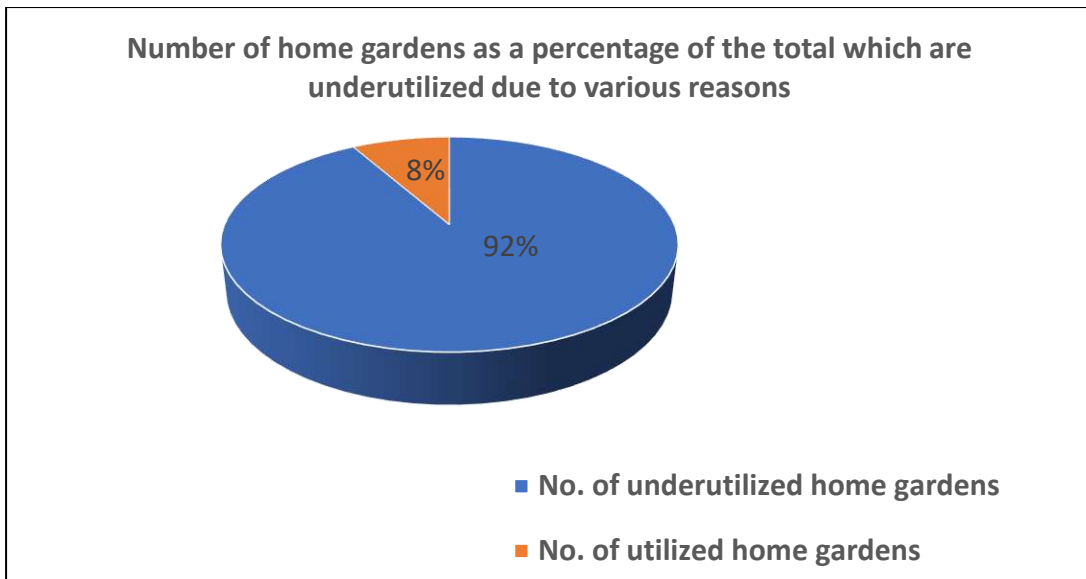


Fig.2 Number of home gardens as a percentage of the total that are underutilized in Kilinochchi district

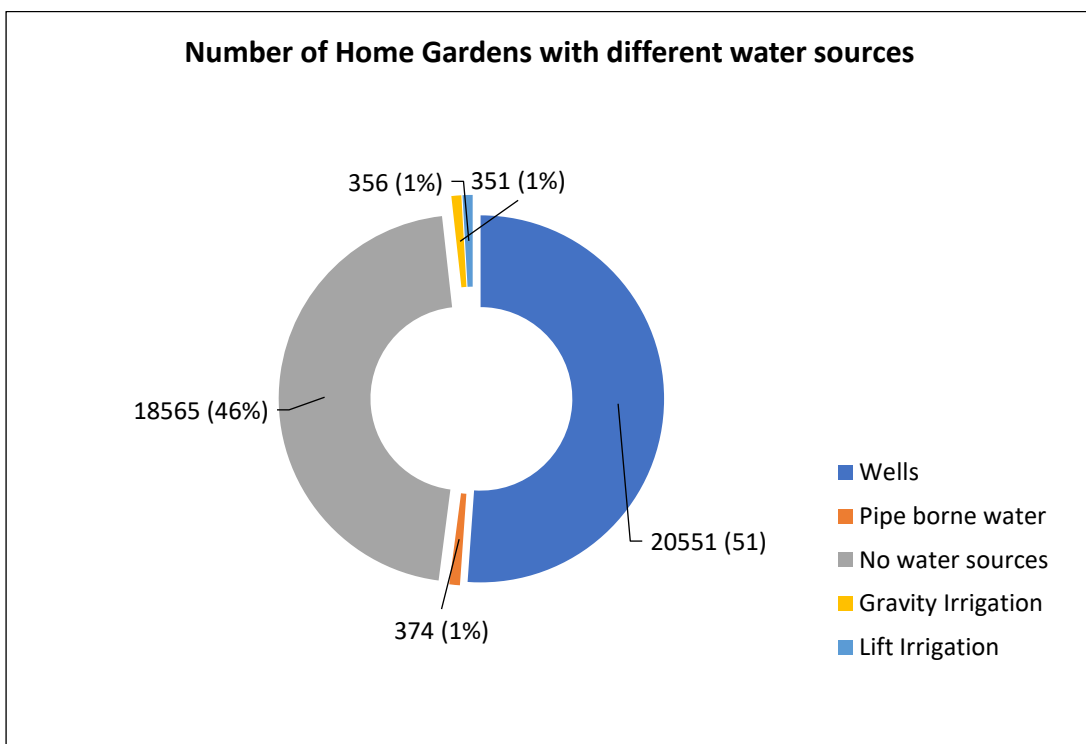


Fig. 3. Number of home gardens based on their water sources

Table 1: Availability of water sources for home gardens in Kilinochchi District

No.	DSD Name	Total no of home gardens	Water Sources				No water source within the home garden and obtain from outside
			well	Pipe borne water	Well & Pipe borne water	Other sources like water sprout in the land	
1	Pachchilaipalli	4,459	2,737	-	-	-	1,722
2	Poonakary	6,639	1,758	-	-	-	4,881
3	Kandawalai	6,693	5,348	-	-	-	1,345
4	Karachchi	22,356	10,708	374	-	-	11,274
	Total	40,147	20,551	374	-	-	19,222

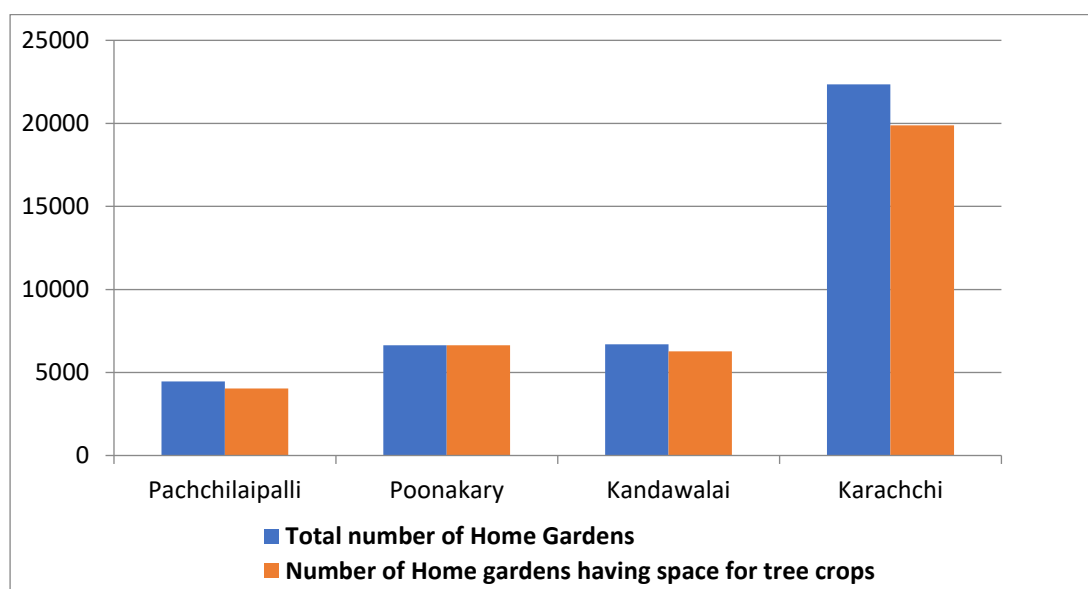


Fig. 4. Comparison of space availability of home gardens for tree crops in each Divisional secretary Division.

3. Number of home gardens and their extents available in Kilinochchi District

The total number of home gardens in Kilinochchi district is about 40,147. The size of the home gardens is varying and majority are between 0.05-0.40 ha (21-160 perches). There are about 6,554 home gardens which are larger than 0.40 ha. (160 perches or 1ac). However, number of small home gardens smaller than 0.05 ha. (20 perch) in the district is about 3,315 and higher number of home gardens are available in Karachchi Divisional Secretary Division.

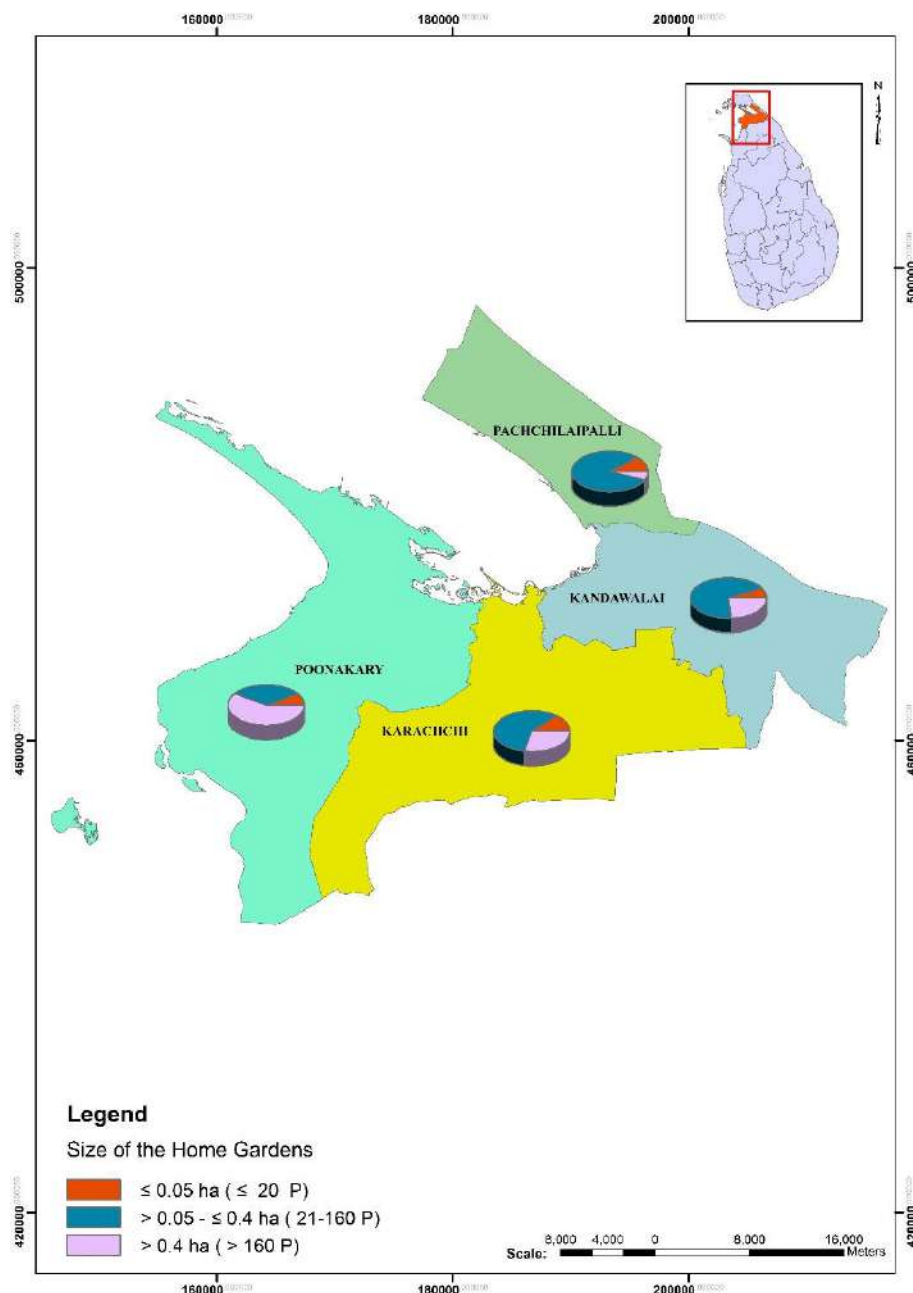


Fig. 5 Number of home gardens based on their sizes available in the Kilinochchi District

Table 2: Number of home gardens and their approximate extents available in the Kilinochchi District

No.	DSD Name	Category - 1 No. of Home Gardens ≤ 0.05 ha. (≤ 20 Perches)		Category - 2 No. of Home Gardens > 0.05 - ≤ 0.4 ha. (21-160 Perches)		Category - 3 No. of Home Gardens > 0.4 ha. (> 160 Perches)		No of Home Gardens in all categories	
		No. of Home Gardens	Total extents of all Home Gardens (ha)	No. of Home Gardens	Total extents of all Home Gardens (ha)	No. of Home Gardens	Total extents of all Home Gardens (ha)	Total No of Home Gardens	Total extents (ha)
1	Kandawalai	412	20	4,723	1,582	1,558	1,378	6,693	2,979
2	Karachchi	2,470	124	13,332	3,257	6,554	5,269	22,356	8,649
3	Pachchilaipalli	429	18	3,805	1,353	225	530	4,459	1,901
4	Poonakary	4	0	2,557	839	4,078	3,597	6,639	4,436
	Total (Hectare)	3,315	161	24,417	7,030	12,415	10,774	40,147	17,965
	Total (Acres)		398		17,363		26,612		44,374

Table 3: Number of Home Gardens and their approximate extent available in the Kandawalai Divisional Secretary Division of Kilinochchi District

No	GND Name	GND No.	Category - 1 No. of Home Gardens ≤ 0.05ha. (≤20Perches)		Category - 2 No. of Home Gardens > 0.05 - ≤ 0.4 ha. (21-160 Perches)		Category - 3 No. of Home Gardens > 0.4ha. (>160Perches)		No of Home Gardens in all categories	
			No. of Home Gardens	Total extents of all Home Gardens (ha)	No. of Home Gardens	Total extents of all Home Gardens (ha)	No. of Home Gardens	Total extents of all Home Gardens (ha)	Total No. of Home Gardens	Total extents (ha)
1	Elephantpass	KN/46	-	-	-	-	12	10.8	12	11
2	Kalmadunagar	KN/53	-	-	290	60.9	235	96.5	525	157
3	Kandawalai	KN/51	94	4.75	59	22.8	133	121.3	286	149
4	Kumarapuram	KN/43	180	9.10	200	76.8	40	22.3	420	108
5	Korakkankaddu	KN/48	8	0.40	300	113.7	99	179.2	407	293
6	Murasumoddai	KN/50	15	0.80	169	48.9	-	-	184	50
7	Paranthan	KN/44	-	-	520	105.2	100	55.5	620	161
8	Petiya kulam	KN/52	10	0.50	120	44.5	225	111.7	355	157
9	Piramanthararu	KN/58	-	-	200	74.8	406	286.3	606	361
10	Puliyampokkanai	KN/56	52	1.31	285	105.4	39	38.9	376	146
11	Punnaineeravi	KN/57	-	-	1,400	526.1	158	295.4	1,558	822
12	Thadduvankoddy	KN/47	-	-	70	26.5	16	11.7	86	38
13	Tharmapuram East	KN/55	50	2.59	380	149.4	30	44.0	460	196
14	Tharmapuram West	KN/54	-	-	250	97.3	43	66.5	293	164
15	Umaiyalpuram	KN/45	-	-	270	80.9	-	-	270	81
16	Uriyan	KN/49	3	0.15	210	48.5	22	37.4	235	86
	Total (Hectare)		412	20	4,723	1,582	1,558	1,378	6,693	2,979
	Total(Acres)			48		3,907		3,402		7,358

Table 4: Number of Home Gardens and their approximate extents available in Karachchi Divisional Secretary Division of Kilinochchi District

No	GND Name	GND No.	Category - 1 No. of Home Gardens ≤ 0.05ha. (≤20Perches)		Category - 2 No. of Home Gardens > 0.05 - ≤ 0.4 ha. (21-160 Perches)		Category - 3 No. of Home Gardens > 0.4ha. (>160Perches)		No of Home Gardens in all categories	
			No. of Home Gardens	Total extents of all Home Gardens (ha)	No. of Home Gardens	Total extents of all Home Gardens (ha)	No. of Home Gardens	Total extents of all Home Gardens (ha)	Total No. of Home Gardens	Total extents (ha)
1	Akkarayankulam	KN/05	35	1.76	327	99.2	325	271.6	687	373
2	Ambalkulam	KN/14	-	-	570	116.6	310	188.1	880	305
3	Ambalnagar	KN/19	85	4.29	858	86.8	65	30.3	1,008	121
4	Anaivilunthan	KN/02	-	-	212	64.3	180	152.6	392	217
5	Ananthapuram	KN/16	225	11.50	449	76.2	-	-	674	88
6	Bharathipuram	KN/08	-	-	623	155.0	210	85.5	833	241
7	Civic Centre	KN/39	24	1.21	106	33.3	98	94.4	228	129
8	Jeyanthinagar	KN/30	85	4.29	405	114.6	77	62.3	567	181
9	Kanagambigaikulam	KN/18	65	3.28	309	37.3	225	96.2	599	137
10	Kanakapuram	KN/26	20	1.01	128	79.8	185	222.5	333	303
11	Kaneshapuram	KN/29	58	2.93	132	50.7	45	19.2	235	73
12	Kannakaipuram	KN/03	-	-	164	49.7	110	139.3	274	189
13	Kilinochchi Town	KN/23	388	19.62	75	58.9	-	-	463	79
14	Konavil	KN/06	40	0.81	452	137.1	510	471.1	1,002	609
15	Krishnapuram	KN/11	-	-	517	84.0	285	116.3	802	200
16	Malayalapuram	KN/09	-	-	442	133.5	225	136.5	667	270
17	Maruthanagar	KN/24	40	2.02	303	37.2	45	18.2	388	57
18	Mavadiamman	KN/42	26	1.31	349	70.6	228	126.6	603	199
19	Mayavanoor	KN/40	-	-	562	170.5	325	188.9	887	359
20	Ottupulam	KN/36	-	-	150	35.8	240	175.7	390	212
21	Pannakandy	KN/25	35	1.76	130	47.3	-	-	165	49
22	Periyaparanthan	KN/31	40	2.02	261	56.0	75	31.7	376	90

Cont.

No	GND Name	GND No.	Category - 1 No. of Home Gardens ≤ 0.05ha. (≤20Perches)		Category - 2 No. of Home Gardens > 0.05 - ≤ 0.4 ha. (21-160 Perches)		Category - 3 No. of Home Gardens > 0.4ha. (>160Perches)		No of Home Gardens in all categories	
			No. of Home Gardens	Total extents of all Home Gardens (ha)	No. of Home Gardens	Total extents of all Home Gardens (ha)	No. of Home Gardens	Total extents of all Home Gardens (ha)	Total No. of Home Gardens	Total extents (ha)
23	Ponnagar	KN/07	85	4.29	308	62.3	110	77.4	503	144
24	Puthumurippu	KN/37	-	-	252	50.9	195	193.1	447	244
25	Ramanathapuram	KN/41	-	-	450	91.0	345	258.4	795	349
26	Ratnapuram	KN/22	80	4.04	255	57.8	46	40.0	381	102
27	Selvanagar	KN/15	-	-	445	69.8	336	255.3	781	325
28	Sivanagar	KN/35	35	1.76	270	81.9	105	146.9	410	231
29	Skanthapuram	KN/04	-	-	491	149.7	305	388.5	796	538
30	Thirunagar North	KN/28	205	10.36	237	57.1	-	-	442	67
31	Thirunagar South	KN/27	195	9.86	151	54.1	-	-	346	64
32	Thiruvaiaaru	KN/20	65	3.28	159	16.1	60	96.8	284	116
33	Thiruvaiaaru West	KN/21	35	1.76	222	36.0	105	131.1	362	169
34	Thondamanagar	KN/17	129	6.52	160	43.6	-	-	289	50
35	Uruthirapuram East	KN/33	-	-	289	87.7	126	77.6	415	165
36	Uruthirapuram North	KN/32	40	2.02	151	61.1	290	245.8	481	309
37	Uruthirapuram West	KN/34	-	-	294	89.2	98	153.5	392	243
38	Uthayanagar East	KN/12	210	10.62	397	88.9	-	-	607	100
39	Uthayanagar West	KN/13	175	8.85	484	151.0	-	-	659	160
40	Vaddakkachchi	KN/38	15	0.75	218	66.1	290	248.5	523	315
41	Vannerikulam	KN/01	-	-	126	38.2	305	297.6	431	336
42	Vivekanandanagar	KN/10	35	1.76	449	109.7	75	31.3	559	143
	Total (Hectare)		2,470	124	13,332	3,257	6,554	5,269	22,356	8,649
	Total (Acres)			305		8,044		13,014		21,363

Table 5: Number of Home Gardens and their approximate extents available in the Pachchilaipalli Divisional Secretary Division of Kilinochchi District

No	GND Name	GND No.	Category - 1 No. of Home Gardens ≤ 0.05ha. (≤20Perches)		Category - 2 No. of Home Gardens > 0.05 - ≤ 0.4 ha. (21-160 Perches)		Category - 3 No. of Home Gardens > 0.4ha. (>160Perches)		No of Home Gardens in all categories	
			No. of Home Gardens	Total extents of all Home Gardens (ha)	No. of Home Gardens	Total extents of all Home Gardens (ha)	No. of Home Gardens	Total extents of all Home Gardens (ha)	Total No. of Home Gardens	Total extents (ha)
1	Allipallai	KN/89	13	0.42	82	26.7	7	7.3	102	34
2	Arasarkeny	KN/91	10	0.42	114	77.9	19	17.6	143	96
3	Ithavil	KN/92	15	0.65	280	44.8	11	9.3	306	55
4	Iyakachchi	KN/79	7	0.20	216	48.3	16	4.7	239	53
5	Kachcharvely	KN/90	26	1.23	121	79.2	5	6.1	152	87
6	Kovilvayal	KN/78	23	0.78	235	34.5	10	128.9	268	164
7	Kilaly	KN/95	23	1.16	199	22.8	24	18.9	246	43
8	Masar	KN/81	79	0.27	273	95.6	9	7.1	327	103
9	Mugamalai	KN/93	24	1.44	227	25.9	16	10.4	267	38
10	Mugavil	KN/80	15	0.35	258	193.6	21	24.7	294	219
11	Mullaiyadi	KN/85	31	1.48	218	147.1	1	2.8	250	151
12	Pallai Town	KN/87	9	0.45	196	171.4	5	3.4	210	175
13	Pulopallai	KN/84	65	3.14	157	50.7	12	69.3	234	123
14	Pulopallai West	KN/88	33	1.54	94	60.9	5	6.2	132	69
15	Soranpatru	KN/82	1	0.04	286	23.0	21	171.1	308	194
16	Thambagamam	KN/86	71	3.28	433	84.3	4	9.1	508	97
17	Tharmakeny	KN/83	17	0.83	211	119.3	32	25.6	260	146
18	Vembodukeny	KN/94	1	0.04	205	46.5	7	8.0	213	55
	Total (Hectare)		463	18	3,805	1,353	225	530	4,459	1,901
	Total (Acres)			44		548		215		770

Table 6: Number of Home Gardens and their approximate extents available in the Poonakary Divisional Secretary Division of Kilinochchi District

No	GND Name	GND No.	Category - 1 No. of Home Gardens ≤ 0.05ha. (≤20Perches)		Category - 2 No. of Home Gardens > 0.05 - ≤ 0.4 ha. (21-160 Perches)		Category - 3 No. of Home Gardens > 0.4ha. (>160Perches)		No of Home Gardens in all categories	
			No. of Home Gardens	Total extents of all Home Gardens (ha)	No. of Home Gardens	Total extents of all Home Gardens (ha)	No. of Home Gardens	Total extents of all Home Gardens (ha)	Total No. of Home Gardens	Total extents (ha)
1	Alankerny	KN/60	1	0.05	22	2.8	61	38.4	84	41
2	Cheddiyakurichchi	KN/62	-	-	191	36.8	-	-	191	37
3	Gnanimadam	KN/63	1	0.05	11	1.8	95	59.4	107	61
4	Gowtharimunai	KN/68	-	-	121	27.2	3	1.5	124	29
5	Iranaitheevu	KN/77	-	-	152	30.7	-	-	152	31
6	Jeyapuram North	KN/69	-	-	11	3.7	228	149.7	239	153
7	Jeyapuram South	KN/70	-	-	10	3.8	235	195.3	245	199
8	Kariyalainagapaduvan	KN/71	-	-	11	4.5	571	383.2	582	388
9	Kiranchi	KN/75	-	-	-	-	506	864.0	506	864
10	Kollakurichchi	KN/61	-	-	298	30.1	-	-	298	30
11	Madduvilnadu East	KN/64	-	-	13	1.9	130	55.9	143	58
12	Madduvilnadu West	KN/66	-	-	123	99.5	1	0.9	124	100
13	Mulankavil + Iranaimathanagar	KN/73	-	-	45	13.4	808	442.3	853	456
14	Nachchikkudah	KN/74	-	-	11	0.8	648	431.8	659	433
15	Nallur	KN/59	2	0.10	525	105.1	31	15.0	558	120
16	Pallavarajankaddu	KN/72	-	-	12	4.8	308	447.3	320	452
17	Pallikudah	KN/65	-	-	819	331.4	11	4.4	830	336
18	Paramankirai	KN/67	-	-	167	135.2	-	-	167	135
19	Ponaveli	KN/76	-	-	15	5.5	442	508.0	457	514
	Total (Hectare)		4	0.20	2,557	839	4,078	3,597	6,639	4,436
	Total (Acres)			0.49		2,072		8,885		10,958