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**MAHA 1992/93
DIVERSIFICATION
&
CULTIVATION CENSUS
REPORT**

by

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**MARD PROJECT
PIMBURATTAWA**

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MAHA 1992/93 DIVERSIFICATION AND
CULTIVATION CENSUS REPORT

SUMMARY

The report for Maha 1992/93 crop diversification and cultivation census is divided into three sections. Part I provides details on the costs and returns to crop production on the irrigable lands in System B. This includes information on cultivation of both paddy and other crops (OCs). The data presented in Part I are routinely collected from 75 farmers as part of the farm record keeping program.

Part II gives the details of the Maha 1992/93 cultivation census on irrigable lands. This is the fifth in a series of reports on the cultivation census. Part III of this report provides the results of the first census of cultivation of homestead lands. Homestead lands are an important source of nutrition and income for farm families in System B during the Maha season. Cultivation on homestead lands is therefore critical for tracking project progress.

Project progress during Maha 1992/93 is summarized by the following points:

1. Net returns to OC production during Maha 1992/93 were in general higher than paddy. Crop diversification in the irrigable fields resulted in significant increases in income over production of paddy only.
2. The area cultivated to OCs in the irrigable lands increased four fold over that of Maha 1990/91, the last time a Maha census was done. The increase was from 43 to over 160 hectares. Almost 2000 farmers cultivated OCs on irrigable lands.
3. Total income from System B crop cultivation in irrigable lands for Maha 1992/93 was almost double that of Maha 1990/91.
4. Diversification of crop production in the irrigable lands increased income Rs 3 million over production of paddy only. This increase was four times that of Maha 1990/91.
5. The average increase in income per family from crop diversification was Rs 1,608, or almost 10 percent over production of paddy only.

6. Almost 500 hectares of homestead land were cultivated to annual crops during Maha 1992/93. Over 6000 farmers cultivated annual crops on homestead lands.
7. Traditional crops dominated homestead cultivation. The most common crops were maize, chilli, and cowpea.
8. Yields of annual crops were in general higher on homestead lands than on irrigable lands, and costs of production are usually lower on homestead lands. The value of production per hectare of homestead lands is far higher than that of irrigable lands during Maha.
9. The total value of homestead production in System B is estimate at Rs 23.5 million. The average value per family was Rs 3,400, or 20 percent of the value of one hectare of paddy production.

PART I

REPORT ON CROP DIVERSIFICATION IN SYSTEM B; COST OF PRODUCTION AND RETURNS TO CROP CULTIVATION MAHA 1992/93

INTRODUCTION

The Mahaweli Agriculture and Rural Development (MARD) Project promotes crop diversification in Mahaweli System B as a means to increase incomes of System B farmers. Since 1988, MARD has worked in the areas of agriculture, horticulture, extension, water management, marketing, farmers' organizations, and training to create an environment conducive to crop diversification.

Most crop diversification in irrigable fields occurs during Yala. Maha, with its unpredictable rains, is traditionally thought to be exclusively for paddy cultivation in irrigable lands, with production of other crops (OCs) in upland areas. The Maha 1992/93 cultivation season should help to change this perception.

Seventy-five farm families in nine units in System B provided daily records on crop cultivation. These records included labor employment, both family and hired, by gender; costs of inputs, including seed, fertilizer and chemicals; costs involved with land preparation, harvesting and threshing; and incidental cultivation costs. Farmers also provided information on yields and prices. From these data, gross and net returns were estimated for each crop.

In addition, it was possible to determine from these data the increases in income resulting from crop diversification over production of paddy only. The increase in income was calculated as the difference between actual income farmers received from cultivation of a diversified crop combination and the amount farmers would have received had they grown paddy on their entire of irrigable land.

Cultivation of OCs in irrigable fields provided high increases in incomes. Crop diversification benefitted most farmers (65 of 75) regardless of their income category. The increase in income was derived from improved production of chilli, red onion and vegetable crops relative to production in Maha 1991/92. Yields of most crops were higher than in Maha 1991/92, and prices were average to good. This resulted in high gross and net returns. Only grain legumes, cowpea and greengram, provided lower net returns than the previous Maha.

The main source of increased income was chilli production. MEA/MARD's chilli extension program during Maha 1992/93 contributed to an improvement in average yield of more than 25 percent and an increase in average net return of almost 50 percent.

This part of the Maha Report discusses the costs and returns to crop production in System B during Maha 1992/93. It provides information on the increases in income obtained from crop diversification. Numerous tables and charts found at the end of the discussion give specifics on individual crops.

GAINS FROM DIVERSIFICATION

Comprehensive cost of production records of both paddy and OCs were obtained from 75 farmers in 9 units in System B. From these data, it was possible to estimate the increases in income derived from including OCs in crop combinations during Maha 1992/93.

Income increases resulting from crop diversification are shown in Table 1. Total income from production of both OCs and paddy on irrigable fields was Rs 1,552,153, for an average income per farm family of Rs 20,695. Total income from production of paddy only would have been Rs 1,311,242, or Rs 17,483 per family. Total income increased by Rs 240,910 for an average of Rs 3,212 per family. This represented an average increase from crop diversification of 18.37 percent. The amount of land devoted to OCs averaged 12.6 percent.

The 75 record keeping farmers were divided into four income groups to determine the impact of crop diversification on each level. As expected, average net returns from paddy production were lowest for the lowest income group and highest for the top income level. However, even farmers in the lowest income group (who were therefore considered less capable farmers) gained from crop diversification. The income of the lowest 25 percent increased by an average of Rs 1283 from crop diversification. This increase of more than 18 percent was equivalent to the overall percentage gain for all income groups. The highest income level gained the most, over Rs 7,000 or 27 percent more than from production of paddy only. This was a remarkable increase over this group's high average net return to paddy production of almost Rs 27,000.

This indicates that cultivation of OCs is appropriate for a range of farming capabilities, and should not be promoted only for "good" farmers. As data show, even farmers with low returns to paddy benefit from crop diversification during Maha.

COSTS AND RETURNS TO CROP PRODUCTION

The gross and net returns to crop production are given in Table 2 and shown in Figures 1 and 2.¹ Gherkin had the highest returns, both gross and net, over Rs 100,000/ hectares (ha) and Rs 67,500/ha respectively. Cowpea and greengram had the lowest returns, and both were less profitable than paddy production. All other crops, chilli, red onion, okra and brinjal were more profitable than paddy.²

Net and gross returns in Maha 1992/93 were generally higher than in the previous Maha (Table 4). All crops, except for cowpea and greengram, gave higher returns, and some of the increases were significant. The average net return to chilli increased almost 50 percent over that of Maha 1991/92. This was mainly due to the MEA/MARD extension program which promoted early planting to reduce pest and disease problems, thus lowering costs and increasing yields. Red onion and gherkin also had large increases in net returns due to higher yields and good prices. Paddy's 17 percent increase in average net return was due to slightly higher prices and marginally better yields. Reduced gross and net returns from cowpea and greengram resulted from significantly lower prices and yields.

The returns to labor and capital are shown in Table 3, and illustrated in Figures 3 and 4. Paddy production had the highest return to labor, almost Rs 130/day and cowpea had the lowest, Rs 24/day. It is important to note that paddy production uses far less labor than other crops in System B, resulting in a high return to labor. Crops which require high levels of labor, for example, gherkin, red onion, chilli and okra, typically have lower returns to labor than paddy. All crops except okra, cowpea and greengram had returns to labor that were almost equal to or greater than the average wage rate in System B.³

Paddy's return to capital was one of the lowest of all crops, only Rs 1.27 per rupee spent. Only okra and brinjal had lower returns to capital. Not surprisingly, greengram and

¹ Gross and net returns do not include the value of family labor.

² Data were also collected on cabbage, snakegourd, groundnut, and butternut. The sample was not sufficiently large for meaningful comparisons, and thus have been eliminated from this section of the paper.

³ The average wage rate in System B is between Rs 65 and Rs 75 per day, depending on the type of work, and unfortunately, the gender of the worker.

cowpea, two low input crops, had high returns to capital. The returns to capital from chilli, red onion and gherkin were high, Rs 2.0, Rs 2.03, and Rs 1.76 per rupee spent, respectively, in spite of high costs of inputs.

Employment of labor in crop production is shown in Tables 5, 6 and 7. Family labor (Table 4) is employed more intensely for other crops than for paddy. This is because OC production requires a relatively even amount of labor throughout the season compared to that for paddy production. Harvesting of OCs often extends over several weeks, resulting in a labor demand pattern which families can fulfill more easily than the peak labor periods associated with paddy cultivation.

Data from the record keeping farmers show that gherkin required the greatest amount of hired labor (Table 6). This was due to the fact that gherkin must be harvested twice per day during the middle of the harvest period. Chilli, red onion, okra, brinjal and paddy required about the same amount of hired labor per hectare. Cowpea and green gram, which were grown on small sized fields, showed no employment of hired labor. However, it is realistic to assume that larger scale cultivation of these crops could require small amounts of hired labor.

Paddy required the largest amount of hired labor in percentage terms (Figure 5). Almost 45 percent of total labor employed for paddy was hired. All other crops required far less hired labor relative to total labor requirements.

Total labor employed by crop is found in Table 7 and Figure 6. Paddy was the least labor-using crop, less than one-half of all other crops. It is noteworthy that a high percentage of total labor was provided by women. Women accounted for over 40 percent of all labor for gherkin and almost 40 percent for red onion production. Women's labor is generally used more intensively for horticultural crops which require a high percentage of hand labor, such as hand harvesting, trellising, or hand weeding.

Costs of inputs⁴ are shown in Table 8. Cowpea and green gram were the least costly crops, at approximately Rs 5,000/ha. Gherkin is the most costly crop, due to its high cost of chemicals and rope for trellising. Input costs for chilli, red onion, okra, and brinjal were between Rs 19,000 and Rs 25,000/ha. Input costs for paddy were slightly more than Rs

⁴ Costs of inputs refers to seed, fertilizer, chemicals, land preparation fees, harvesting and threshing, transport, and other costs such as tea or lunch for laborers. We are not including the cost of hired labor in this section.

11,000/ha. The comparative costs of fertilizer and chemicals are shown in Figures 7 and 8, respectively.

Except for cowpea, greengram and red onion, costs were generally higher in Maha 1992/93 than in Maha 1991/92 (Figure 9). The decrease in red onion was due to significantly lowered cost of seed material.

Farmers were rewarded for higher application of inputs which resulted in higher costs of production during Maha 1992/93. Yields of all crops, except cowpea, were significantly higher than in Maha 1991/92 (Table 9 and Figure 10), resulting, as mentioned earlier, in higher net returns for most crops. Average red onion yield increased by 50 percent from Maha 1991/92 to Maha 1992/93, though it was still far below potential. Average yields for chilli, gherkin, okra, and brinjal increased between 25 and 35 percent. The increase in average yield for greengram was negligible and the average yield for paddy increased about 5 percent.

Unit costs of production⁵ are calculated in Table 10. Chilli had the highest unit cost of production, over Rs 30/kg. It is interesting to compare unit cost of production with average price. For all crops, unit costs were between 25 to 40 percent of average price, indicating that average returns to these crops were high, more than double and sometimes triple, the breakeven production point. For example, the breakeven yield for chilli was 209 kg/ha, far below the average yield of 688 kg/ha.

CONCLUSION

Crop diversification in irrigable lands during Maha 1992/93 showed progress over the previous Maha. Net returns were generally higher than those of Maha 1991/92 and yields increased in comparison to the year before. Good weather, good prices and, most important, an intensive dissemination program, especially with chilli, rewarded farmers with good incomes.

The most interesting aspect of crop diversification during Maha 1992/93 is that most farmers, whether poor or excellent benefitted from crop diversification. On a percentage basis, even those farmers with low paddy yields and returns, gained as much as those with higher than average paddy yields and returns.

⁵ Unit cost of production is the input cost as defined in footnote 4 divided by average yield.

Table 1.
Total income from crop cultivation in irrigable
fields, increase over paddy production, and average
OC area, by income quarter. 75 record keeping farmers.
Maha 1992/93

	Average income (per family)	Income if only paddy (per family)	Average increase (per family)	Percent increase	Average area in OCs (% of total area)
Lowest 25 percent	8,351	7,068	1,283	18.15	13.10
2nd lowest 25 percent	16,387	15,024	1,363	9.07	11.32
2nd highest 25 percent	24,701	21,560	3,141	14.57	12.90
Highest 25 percent	34,044	26,769	7,275	27.18	13.07
Overall average	20,695	17,483	3,212	18.37	12.60

The greatest increase in income was Rs 32,422 over production of paddy only, or 227 percent. One farm lost Rs 4,162 from diversifying crop production. This was a 9.80 percent loss relative to production of paddy only.

Total income of all 75 farmers was Rs 1,552,153. If only paddy had been produced, income would have been Rs 1,311,242. Crop diversification increased income Rs 240,910.

Table 2.
Gross and net returns to crop production;
Irrigable lands, Maha 1992/93, System B.

Crop	Gross return (Rs/ha)	Net return (Rs/ha)
Paddy	31,737	17,068
Chilli	70,297	43,329
Cowpea	13,493	8,553
Red onion	69,812	46,472
Gherkin	105,299	67,450
Okra	46,967	22,184
Brinjal	56,269	28,752
Greengram	17,160	12,444

Table 3
Return to labor and capital
Irrigable lands, Maha 1992/93, System B.

Crop	Rs/day	Rs/Rs
Paddy	129.1	1.27
Chilli	69.8	2.00
Cowpea	24.2	1.69
Red onion	80.5	2.03
Gherkin	109.1	1.76
Okra	55.1	1.06
Brinjal	77.9	1.24
Greengram	27.1	2.63

Table 4.

Gross and net returns to crop production; Maha 1991/92 and Maha 1992/93

	Gross returns			Net returns		
	Maha 1991/92	Maha 1992/93	Percent change	Maha 1991/92	Maha 1992/93	Percent change
Paddy	29,836	31,737	6.37	14,585	17,068	17.02
Chilli	49,059	70,297	43.29	29,608	43,329	46.34
Cowpea	29,795	13,493	-54.71	21,598	8,553	-60.40
Red onion	32,800	69,812	112.84	(4,752)	46,472	1077.95
Gherkin	53,007	105,299	98.65	20,847	67,450	223.55
Okra	29,200	46,967	60.85	14,607	22,184	51.87
Brinjal	38,575	56,269	45.87	21,675	28,752	32.65
Greengram	22,575	17,160	-23.99	17,287	12,444	-28.02

Table 5.
Family labor employment in crop production;
Irrigable lands, Maha 1992/93, System B

Crop	Male labor (Days/ha)	Female labor (Days/ha)	Total labor (Days/ha)	Female labor as % of total
Paddy	58	22	80	27.50
Chilli	379	200	579	34.54
Cowpea	247	103	350	29.43
Red onion	315	235	550	42.73
Gherkin	354	233	587	39.69
Okra	233	150	383	39.16
Brinjal	220	108	328	32.93
Greengram	326	133	459	28.98

Table 6.
Hired labor employment in crop production;
Irrigable lands, Maha 1992/93, System B

Crop	Male labor (Days/ha)	Female labor (Days/ha)	Total labor (Days/ha)	Female labor as % of total
Paddy	51	9	60	15.00
Chilli	58	12	70	17.14
Cowpea	0	0	0	
Red onion	53	5	58	8.62
Gherkin	53	58	111	52.25
Okra	67	0	67	0.00
Brinjal	60	0	60	0.00
Greengram	0	0	0	

Table 7.
Total labor employment in crop production;
Irrigable lands, Maha 1992/93, System B

Crop	Male labor (Days/ha)	Female labor (Days/ha)	Total labor (Days/ha)	Female labor as % of total
Paddy	109	31	140	22.14
Chilli	437	212	649	32.67
Cowpea	247	103	350	29.43
Red onion	368	240	608	39.47
Gherkin	407	291	698	41.69
Okra	300	150	450	33.33
Brinjal	280	108	388	27.84
Greengram	326	133	459	28.98

Table 8.
Cost of fertilizer, chemicals and total input cost
75 farmers; Maha 1992/93 and Maha 1991/92,
Mahaweli, System B. (Rs/ha)

Crop	Maha 1992/93			Maha 1991/92
	Fertilizer Cost	Chemical Cost	Total Cost	Total Cost
Paddy	2749	1398	11260	10985
Chilli	5349	5543	21918	14958
Cowpea	142	708	4940	5234
Red onion	4615	2975	19040	35589
Gherkin	5800	11786	30348	24208
Okra	4033	6187	19783	9742
Brinjal	6616	5104	23016	12281
Greengram	933	800	4716	4725

Total cost includes land preparation fees, seed, fertilizer, chemicals, harvest fees, transport, and purchase of food or tea for laborers. It does not include hired labor costs.

Table 9.
Average Yields; Maha 1992/93 and Maha 1991/92
75 farmers, Mahaweli, System B (kg/ha)

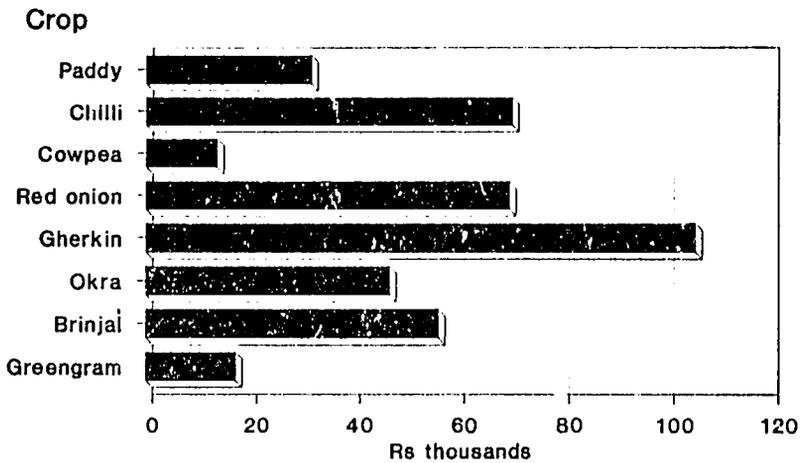
Crop	Maha 1992/93 Yield	Maha 1991/92 Yield	Percent change 92/93 vs. 91/92
Paddy	4501	4250	5.58
Chilli	688	504	26.74
Cowpea	628	1312	-108.92
Red onion	2978	1457	51.07
Gherkin	9795	7099	27.52
Okra	6973	4500	35.47
Brinjal	8423	5535	34.29
Greengram	890	375	1.69

Table 10.

Average yield, total input costs, prices and unit cost as a percent of average price. Maha 1992/93. Mahaweli, System B.

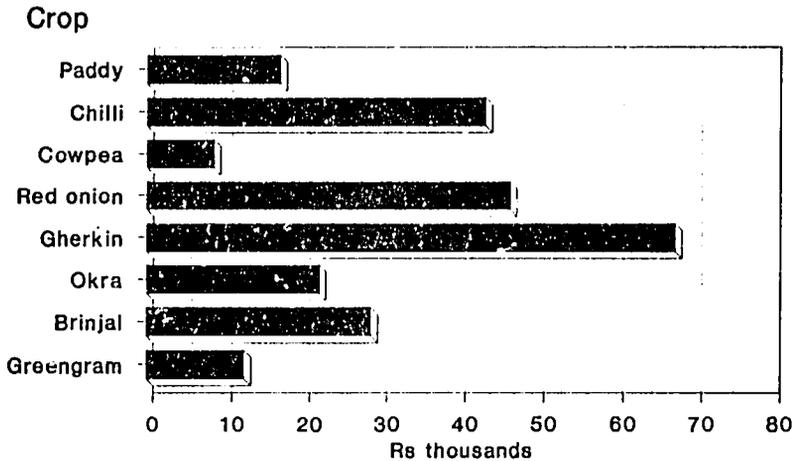
Crop	Maha 1992/93 Yield (kg/ha)	Total Cost (Rs/ha)	Unit cost (Rs/kg)	Average price	Unit cost/ price (%)
Paddy	4501	11260	2.50	7.1	35.23
Chilli	688	21918	31.86	104.7	30.43
Cowpea	628	4940	7.87	21	37.46
Red onion	2978	19040	6.39	23.8	26.86
Gherkin	9795	30348	3.10	10.8	28.69
Okra	6973	19783	2.84	6.8	41.72
Brinjal	8423	23016	2.73	6.7	40.78
Greengram	890	4716	5.30	19.3	27.46

Gross Returns to Crop Production 75 Farmers, Maha 1992/93, System B



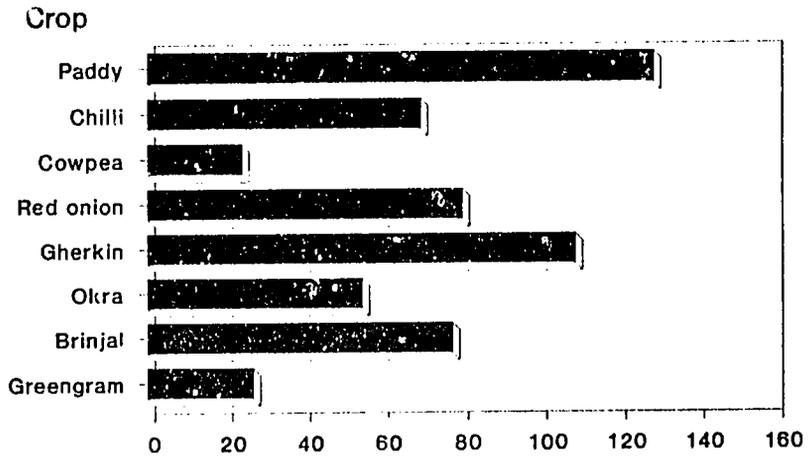
Paddy is ranked fifth of eight crops
Figure 1

Net Returns to Crop Production 75 Farmers, Maha 1992/93, System B



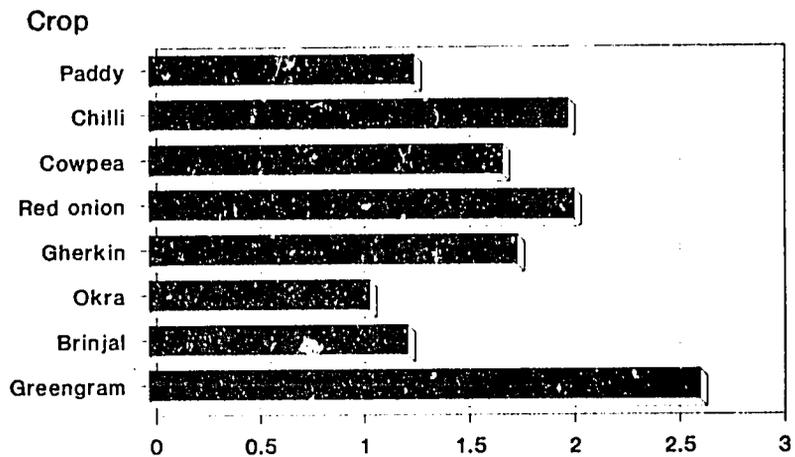
Paddy is ranked fifth of eight crops
Figure 2

Returns to Labor 75 Farmers, Maha 1992/93, System B



Paddy is ranked first of eight crops
Figure 3

Returns to capital 75 Farmers, Maha 1992/93, System B



Paddy is ranked fifth of eight crops
Figure 4

Hired Labor as Percentage of Total; 75 Farmers, Maha 1992/93, System B

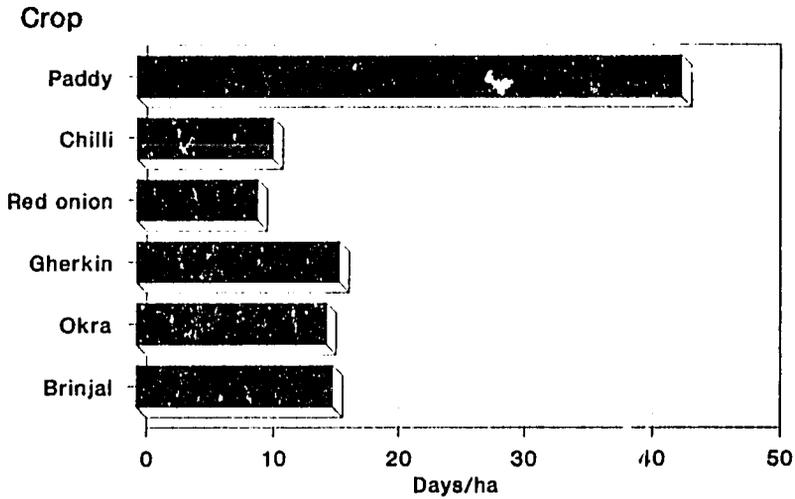


Figure 5

Total Labor by Crop 75 Farmers, Maha 1992/93, System B

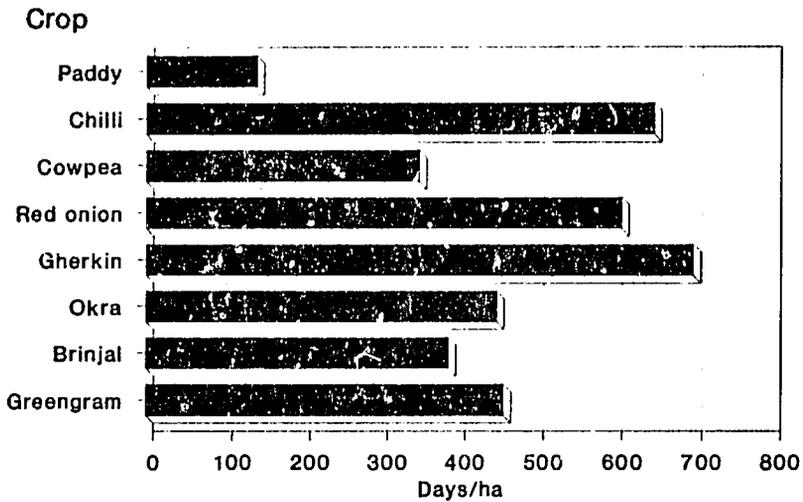


Figure 6

Cost of Fertilizer 75 Farmers, Maha 1992/93, System B

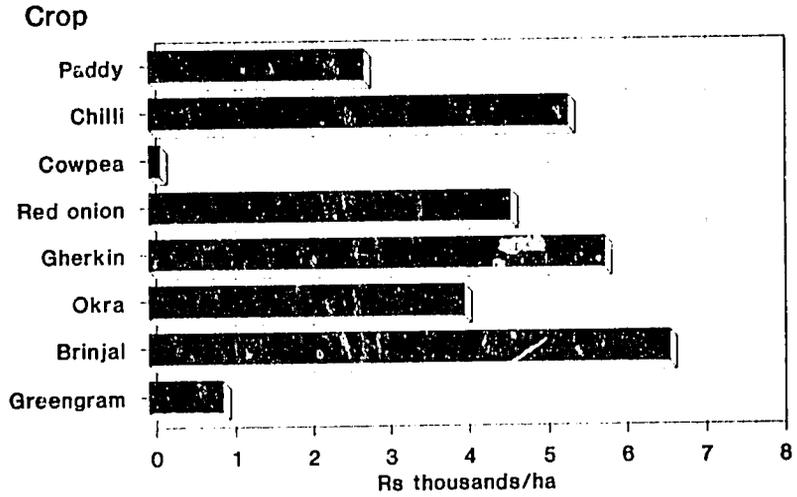


Figure 7

Cost of Chemicals 75 Farmers, Maha 1992/93, System B

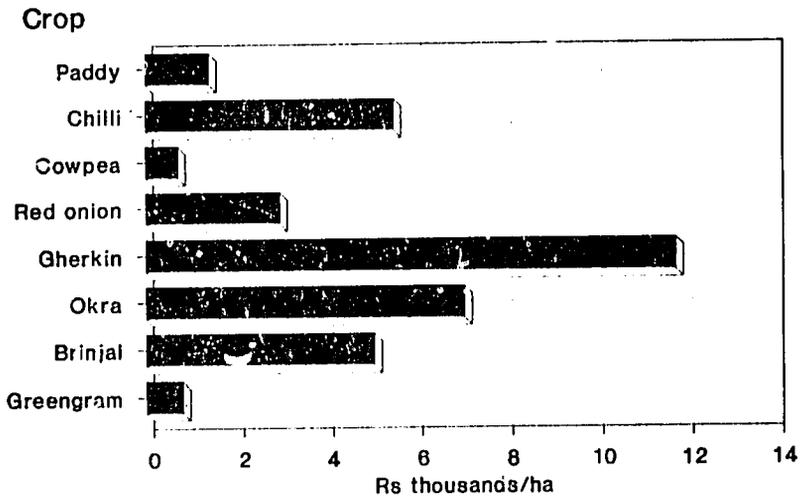


Figure 8

Input Costs, Maha 91/92 & Maha 92/93 75 Farmers, Maha 1992/93, System B

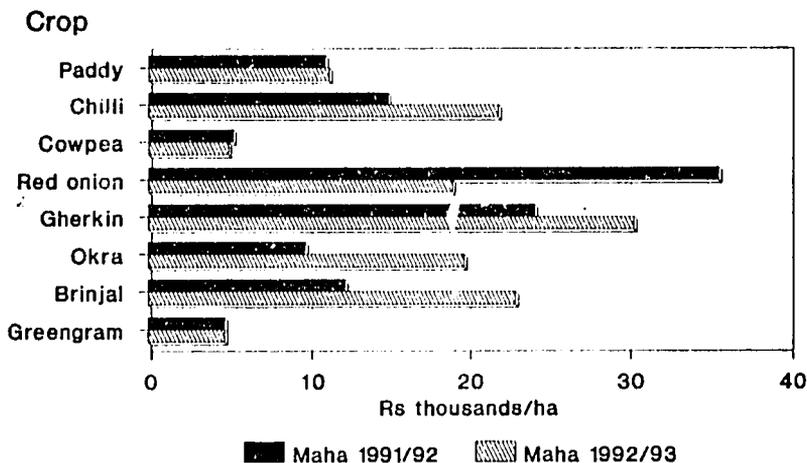


Figure 9

Average Yields, Maha 91/92 & Maha 92/93 75 Farmers, Maha 1992/93, System B

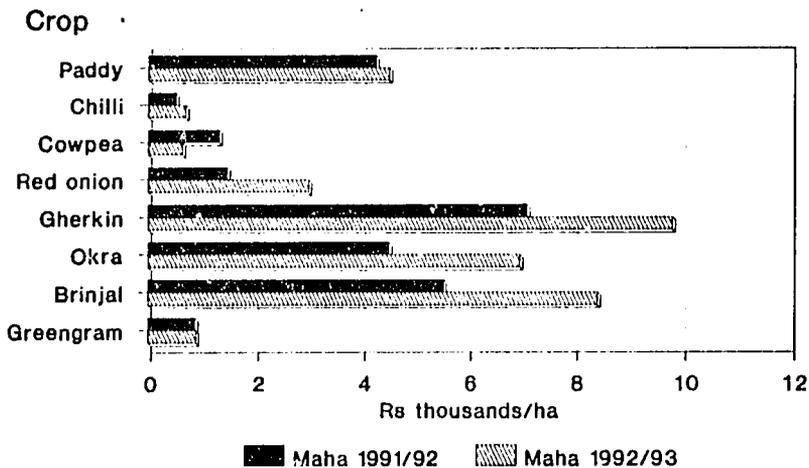


Figure 10

PART II

REPORT ON THE MAHA 1992/93 CULTIVATION CENSUS: IRRIGABLE LANDS

INTRODUCTION

The cultivation census, the most important monitoring activity of the MARD Project, is conducted each Maha and Yala season. The purpose of the census is to monitor seasonal and yearly changes in crop diversification in System B, and to track income gains resulting from diversification. Increases in income are calculated on the basis of the System, blocks, unit and individual farmers.

During Maha 1992/93, MARD for the first time conducted a census of both irrigable and homestead lands. This section of the Maha report presents the results of the census of irrigable lands; Part III presents homestead cultivation. Thus, it is important to be mindful of the fact that the following discussion paints only a partial picture of cultivation of OCs during Maha 1992/93, and that a large portion of OC cultivation was conducted on homestead lands.

Cultivation of OCs in irrigable lands during Maha 1992/93 far exceeded that of the previous two Maha seasons. Income derived from OCs also increased greatly over that of past seasons, and the income resulting from OC cultivation relative to income from paddy production was also comparatively higher than in past seasons. The following discusses the details of Maha 1992/93 cultivation and compares them with Maha 1990/91.¹ There is a one page discussion of the cultivation in each block followed by a series of charts and tables which provide all details on a unit basis.

¹ MARD did not conduct a Maha 1991/92 cultivation census. Monitoring of diversification used MEA data. While we are confident about the quality of those data, we are reluctant to make strict comparisons of Maha 1992/93 cultivation with Maha 1991/92 because the data were not collected in a similar manner. Hence most comparisons with past cultivation will use Maha 1990/91 figures.

SUMMARY OF SYSTEM B CULTIVATION

Diversification of agricultural production during Maha 1992/93 far exceeded that of Maha 1990/91 and Maha 1991/92. Almost 2,000 farmers, close to 20 percent of System B, diversified crop production in irrigable allotments during Maha 1992/93. In Maha 1990/91, only about 1,200 farmers cultivated OCs in irrigable lands, or 11 percent of the total.

Dimbulagala had the highest percentage of farmers cultivating OCs in irrigable lands, more than 33 percent. Ellewewa Block was a close second with 31 percent of the total cultivating OCs. These two blocks were followed by Damminna, with slightly more than 15 percent, Senapura with 10 percent, Wijayabapura with 8.5 percent, and Sevanapitya with 7.6 percent.²

The area cultivated to OCs increased almost four fold from Maha 1990/91 to Maha 1992/93, from 43 to 161 ha. A large portion of the increase in area cultivated to OCs was accounted for by area in chilli. The area devoted to chilli was almost 85 ha compared with only 14 two years before. There was also a large increase in the area allocated to vegetable crops. Ellewewa had the most land allocated to OCs, 77 ha, followed by Dimbulagala, Wijayabapura and Damminna.

In addition to increases in the number of farmers cultivating OCs and an increase in total area, individual farmers on average allocated a much larger percentage of their allotments to OCs in comparison to Maha 1990/91. Two years ago, farmers who diversified crop production in their irrigable fields allocated under 400 square meters to OCs. In Maha 1992/93, the average allocation was 840 square meters, or almost a quarter acre.

Our estimates for total net income from System B crop cultivation in irrigable lands was almost double that of Maha 1990/91 and about 45 percent higher than Maha 1991/92, according to MEA statistics.^{3,4} Total net income was Rs 180 million, compared with Rs 97 million in Maha 1990/91 and Rs 156 million in Maha 1991/92. This large increase was attributable to: 1) higher paddy prices; 2) good paddy yields; 3) the large increase

² The cultivation census was not conducted in Aselapura or Sinhapura Blocks for security reasons.

³ This includes Damminna, Dimbulagala, Ellewewa, Senapura, Sevanapitya, and Wijayabapura Blocks only.

⁴ All income figures are given in current rupees.

in production of chilli; and 4) increased net income from chilli compared with past seasons.

It is noteworthy that the MEA/MARD chilli extension program was an important factor in increasing farm income during Maha 1992/93. The program, which greatly increased chilli production in certain units, extended early planting of chilli (October and November planting) as a means to avoid pests and disease and to increase yields. This program should be further expanded throughout System B in Maha 1993/94.

The net income effect of diversification was over Rs 3.0 million. That is, net income to System B farmers was Rs 3.0 million higher than if they had cultivated paddy only. This was about 4 times the increase in income obtained from diversification during Maha 1990/91 (Rs 740,000). The greatest increase in income from diversification was in Ellewewa, Rs 1.65 million. Dimbulagala benefitted from diversification by almost Rs 600,000, with other blocks gaining lesser amounts.

The average increase in income over production of paddy only per farm family was Rs 1,608, or an increase in 9.4 percent. This was more than double the increase of Maha 1990/91, when farmers gained an average of Rs 637 from diversification. Ellewewa, with its larger hectarage of chilli, obtained the highest per family income increases, Rs 2,655, Wijayabapura and Damminna followed.

Crop Cultivation Census; Maha 1992/93
System B (Irrigable lands)

Unit	Total area (ha)	Paddy	Chilli	B'onion	G'gram	L'been	R'onion	C'pea	Okra	B'rijal	G'herkin	B'nut	Tomato	Luffa	Soya	B'gourd	S'gourd	Banana	Beet
Damminra	1232.000	1216.640	10.238	0.000	0.473	0.549	0.325	1.395	0.492	0.213	0.000	0.117	0.110	0.000	0.000	0.090	0.027	0.000	0.019
Dimbulgala	2014.000	1981.311	17.232	0.000	2.329	1.393	3.518	2.584	0.302	0.524	0.000	0.056	0.642	0.590	0.000	0.255	0.065	0.000	0.003
Ellawewa	1990.000	1911.248	38.257	0.009	2.757	2.571	0.856	9.853	0.116	0.643	9.826	0.424	1.050	0.155	0.044	0.185	0.094	1.044	0.037
Senapura	1572.000	1560.242	5.257	0.000	0.225	2.191	0.365	1.083	0.342	0.652	0.000	0.000	0.208	0.175	0.000	0.073	0.020	0.000	0.000
Sevanapitya	1860.000	1852.620	4.404	0.000	0.310	0.247	0.433	0.578	0.038	0.203	0.000	0.033	0.093	0.072	0.000	0.014	0.023	0.000	0.008
Wijayabapura	1700.000	1683.802	9.221	0.000	0.693	0.209	0.215	3.401	0.208	0.432	0.000	0.000	0.165	0.054	0.000	0.000	0.000	0.000	0.020
Total	10368.000	10205.861	84.609	0.009	6.797	7.160	5.712	18.894	1.468	2.667	9.826	0.630	2.268	1.154	0.044	0.617	0.229	1.044	0.087
Percent of total		98.436	0.816	0.000	0.065	0.069	0.055	0.182	0.014	0.026	0.093	0.006	0.022	0.011	0.000	0.006	0.002	0.010	0.001
Percent of OCs			52.548	0.005	4.215	4.447	3.548	11.735	0.912	1.656	5.978	0.391	1.421	0.717	0.027	0.383	0.142	0.648	0.054

Unit	Cabbage	Koikhol	Pumpkin	Maize	G'nut	Capsicum	C'melon	Bean	Potato	Radish	W'bean	Yam	Mac crops	Total OCs	% OCs	Total farmers	OC farmers	% OC farmers	OC ha/farmers	
Damminra	0.417	0.000	0.105	0.100	0.010	0.024	0.000	0.048	0.418	0.150	0.000	0.000	0.065	15.342	1.245	1232	188	15.250	0.082	
Dimbulgala	0.025	0.000	0.193	0.244	0.278	0.113	0.000	0.208	0.576	0.149	0.000	0.373	0.939	32.588	1.623	2014	671	33.317	0.049	
Ellawewa	0.291	0.044	0.198	4.548	0.038	0.125	5.186	0.285	0.000	0.063	0.053	0.192	0.043	77.673	3.903	2010	623	30.995	0.125	
Senapura	0.014	0.000	0.590	0.000	0.000	0.309	0.000	0.020	0.010	0.000	0.000	0.220	0.006	11.760	0.748	1572	158	10.05	0.074	
Sevanapitya	0.130	0.000	0.050	0.015	0.338	0.121	0.000	0.048	0.087	0.041	0.000	0.025	0.070	7.371	0.396	1860	142	7.634	0.052	
Wijayabapura	0.282	0.000	0.000	0.000	0.532	0.000	0.000	0.075	0.003	0.000	0.000	0.000	0.669	16.179	0.952	1700	142	8.353	0.114	
Total	1.159	0.044	1.136	4.905	1.196	0.692	5.186	0.662	1.092	0.393	0.053	0.810	1.792	161.013	1.553	10368	1924	18.521	0.084	
Percent of total	0.011	0.000	0.011	0.047	0.012	0.007	0.050	0.006	0.011	0.004	0.001	0.008	0.017	1.553						
Percent of OCs	0.720	0.027	0.705	3.047	0.742	0.430	3.221	0.411	0.678	0.244	0.033	0.503	1.113							

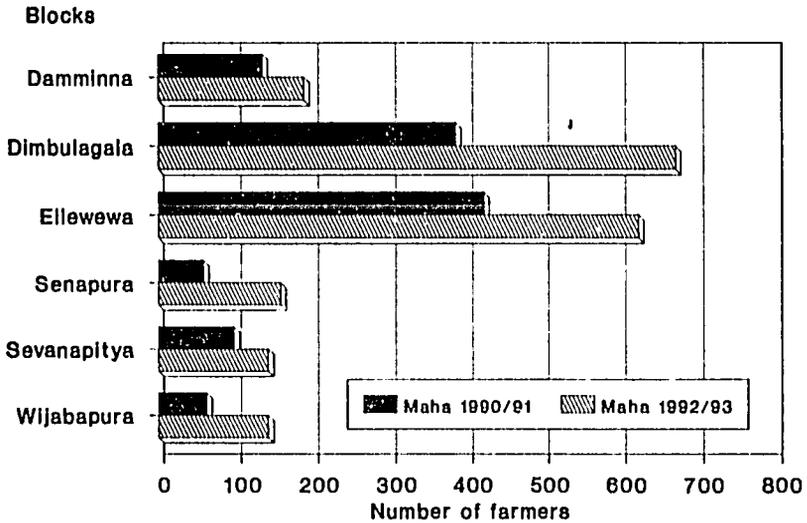
Crop Cultivation Census; Maha 1992/93; Income from paddy and OC cultivation
System B (Irrigable lands)

Block	Paddy	Chilli	B'onion	G'gram	L'bean	R'onion	C'pea	Okra	Birjal	Gherkin	B'nut	Tomato	Luffa	Soya	B'pourd
Damminna	20,755,611.52	443,602.30	0.00	3,125.53	13,725.00	15,103.73	11,931.44	10,249.01	5,124.18	0.00	4,345.38	2,750.00	200.00	0.00	2,250.00
Dimbulagala	33,617,015.15	746,645.33	0.00	15,394.69	34,625.00	163,492.01	22,100.95	6,699.57	15,006.05	0.00	2,079.84	16,050.00	17,250.00	0.00	6,375.00
Eilawewa	32,521,148.73	1,657,654.88	297.50	18,221.79	84,282.50	39,794.83	84,276.13	2,580.00	18,476.04	649,276.58	15,751.07	26,245.00	3,887.50	1,090.00	4,622.50
Senapura	26,530,210.45	227,780.55	0.00	1,487.25	54,775.00	16,962.55	9,262.90	7,585.93	18,746.30	0.00	0.00	5,200.00	4,375.00	0.00	1,825.00
Sevanapitya	31,520,516.15	190,820.92	0.00	2,049.10	6,175.00	20,122.81	4,943.53	842.99	5,636.66	0.00	1,225.62	2,325.00	1,600.00	0.00	350.00
Wijayabapura	26,739,132.54	399,536.71	0.00	4,580.73	5,225.00	9,991.70	29,086.75	4,614.27	12,420.66	0.00	0.00	4,625.00	1,350.00	0.00	0.00
Total	174,193,635.55	3,666,040.69	297.50	44,860.09	179,007.50	265,467.72	161,603.80	32,572.77	76,670.06	649,276.58	23,401.91	57,195.00	28,842.50	1,090.00	15,422.50

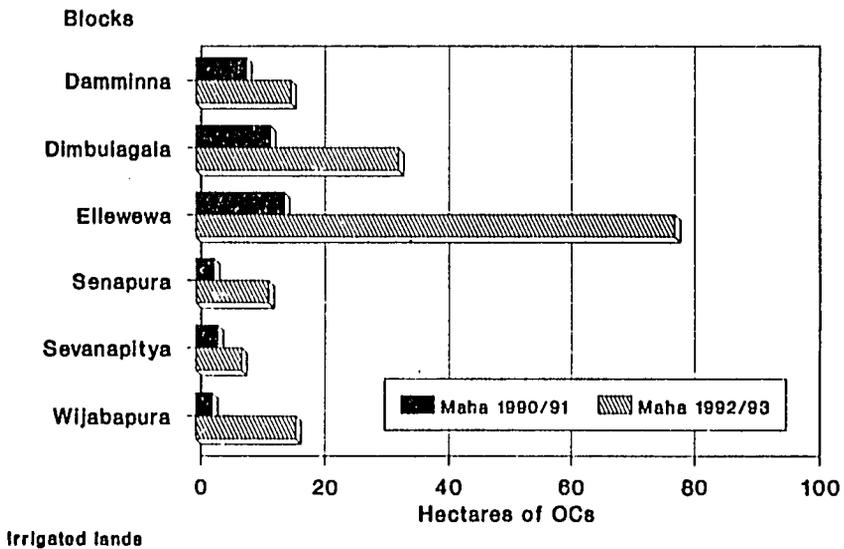
Block	Cabbage	Knoikhol	Pumpkin	Maize	G'nut	Capsicum	C'melon	Bean	Potato	Racsh	W'bean	Yam	Misc crops	S'gourd	Banana	Beet
Damminna	2,598.33	0.00	2,625.00	1,000.00	436.58	600.00	0.00	1,200.00	27,040.00	3,750.00	0.00	0.00	1,625.00	233.66	0.00	475.00
Dimbulagala	155.76	0.00	4,625.00	2,440.00	12,136.92	2,825.00	0.00	5,200.00	37,440.00	3,725.00	0.00	9,325.00	23,475.00	562.51	0.00	75.00
Eilawewa	1,611.97	1,102.50	4,942.50	45,464.00	1,637.16	3,127.50	311,142.00	6,620.00	0.00	1,317.50	1,325.00	4,610.00	1,082.50	816.07	26,092.50	925.00
Senapura	87.23	0.00	14,750.00	0.00	0.00	7,725.00	0.00	500.00	650.00	0.00	0.00	5,500.00	150.00	173.06	0.00	0.00
Sevanapitya	810.03	0.00	1,250.00	150.00	14,756.40	3,025.00	0.00	1,150.00	5,655.00	1,025.00	0.00	625.00	1,750.00	199.04	0.00	200.00
Wijayabapura	1,757.14	0.00	0.00	0.00	23,226.06	0.00	0.00	1,675.00	195.00	0.00	0.00	0.00	16,725.00	0.00	0.00	500.00
Total	7,220.46	1,102.50	28,392.50	49,054.00	52,193.14	17,302.50	311,142.00	18,545.00	70,980.00	9,817.50	1,325.00	20,290.00	44,807.50	1,984.38	26,092.50	2,175.00

Block	Total income	Total income if only paddy	Increase in income	% increase in income	Increase in income per farmer	% increase per farmer
Damminna	21,320,602.54	21,027,776.00	292,826.54	1.393	1,557.59	9.126
Dimbulagala	34,965,179.80	34,374,952.00	590,227.80	1.717	879.62	5.154
Eilawewa	35,619,799.27	33,965,320.00	1,654,479.27	4.871	2,655.66	15.559
Senapura	27,007,747.35	25,830,896.00	1,176,851.35	0.659	1,119.31	6.558
Sevanapitya	31,887,605.38	31,746,480.00	141,125.38	0.445	993.84	5.823
Wijayabapura	29,254,843.76	29,015,500.00	239,343.76	0.825	1,684.82	9.671
Total	180,055,778.18	176,961,024.00	3,094,754.18	1.749	1,602.50	9.424

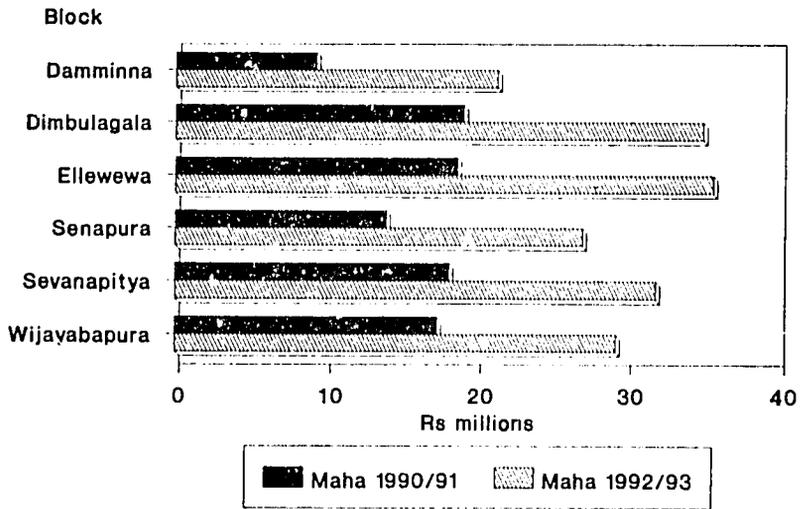
Crop Diversification; Number of Farmers Maha 1990/91 and Maha 1992/93



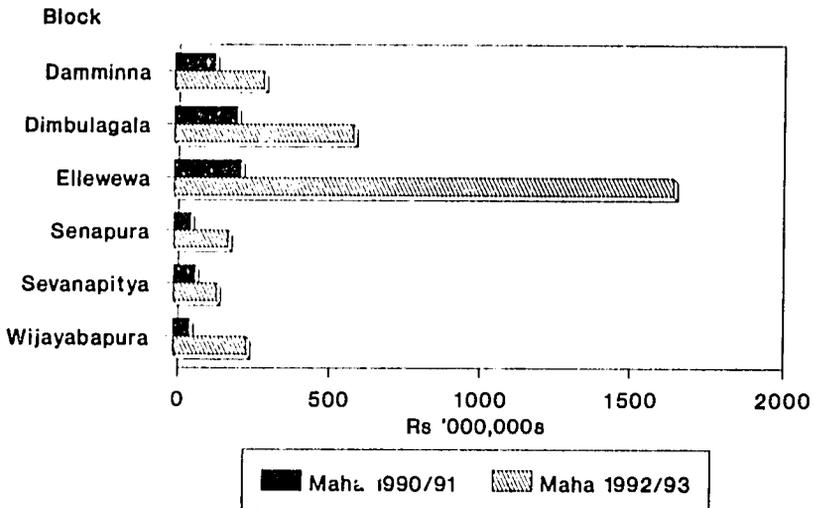
Crop Diversification; Hectares of OCs Maha 1990/91 and Maha 1992/93



Income from Crop Production; System B Maha 1990/91 and Maha 1992/93



Increase in Income from Diversification Maha 1990/91 and Maha 1992/93



SUMMARY OF DAMMINNA BLOCK

The total area devoted to OCs in Damminna Block in Maha 1992/93 was 15.5 ha. Though this seems small, it is almost double that of Maha 1990/91 and just slightly more than that reported by MEA for Maha 1991/92. Chilli was cultivated on 10.25 ha and was the most common crop.

Ihalawewa Unit had the largest hectarage of OCs, over 7 ha or about 3.5 percent of the total irrigable area. Kandegama had almost 4 ha of OCs, Nidanwela had about 2.6 ha, and Damminna Unit about 1.7 ha. Two units in Damminna Block, Aluthoya and Arunapura, did not grow OCs, and in one unit, Divuldamana, only one farmer cultivated 0.17 ha in the irrigated fields.

The number of farmers cultivating OCs increased to 188 in Maha 1992/93 from 135 in Maha 1990/91. The greatest increase was in Damminna Unit, where in Maha 1990/91, only 5 farmers cultivated OCs in irrigable lands, compared to 59 farmers, or over 40 percent of the total, cultivated OCs in Maha 1992/93. Kandegama and Nidanwela Units also witnessed large increases in farmers cultivating OCs. Overall, over 15 percent of the farmers diversified crop production in the irrigable lands in Damminna Block. The average area devoted to OCs was 820 square meters per farmer, an increase of 200 square meters over that of two years ago.

Total net income from crop production in irrigable lands was over 21 million. This was a large increase over Maha 1990/91 when Damminna Block received Rs 9.2 million from irrigated crop production. The increase in income obtained from diversification rather than from production of paddy only was Rs 317.5 thousand, more than double that of Maha 1990/91. The largest increase in income from diversification was in Ihalawewa because of its concentration of chilli production.

The average increase in income from diversification was Rs 1,689 per family. This was almost a 10 percent increase over production of paddy only. Ihalawewa and Divuldamana had increases over paddy only of almost Rs 4,000, or nearly 20 percent. The average increase in income for families diversifying crop production in the irrigable fields in Maha 1990/91 was Rs 970.

Crop Cultivation Census; Maha 1992/93
Damminna Block (Irrigable lands)

Unit	Total area (ha)	Paddy	Chili	G'gram	L'bean	R'onion	C'pea	Okra	Brinjal	B'nut	Pumpkin	Tomato	Luffa	C'nut	Capsicum	Radish
Aluthoya	178.000	178.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Arunapura	245.000	245.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Damminna	143.000	141.281	1.252	0.007	0.068	0.023	0.123	0.005	0.003	0.117	0.056	0.004	0.003	0.010	0.004	0.011
Divuldamana	197.000	196.825	0.175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ihalawewa	198.000	190.915	6.011	0.050	0.104	0.282	0.170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014
Kandegama	135.000	131.176	1.140	0.239	0.280	0.016	1.031	0.065	0.062	0.000	0.000	0.095	0.000	0.000	0.020	0.128
Nidanwela	136.000	132.441	1.660	0.177	0.067	0.025	0.071	0.392	0.148	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	1232.000	1216.640	10.238	0.473	0.549	0.325	1.395	0.462	0.213	0.117	0.105	0.110	0.008	0.010	0.024	0.150
Percent of total		98.753	0.831	0.038	0.045	0.026	0.113	0.037	0.017	0.009	0.009	0.009	0.001	0.001	0.002	0.012
Percent of OCs			66.654	3.077	3.571	2.118	9.734	3.005	1.387	0.759	0.683	0.715	0.049	0.065	0.158	0.979

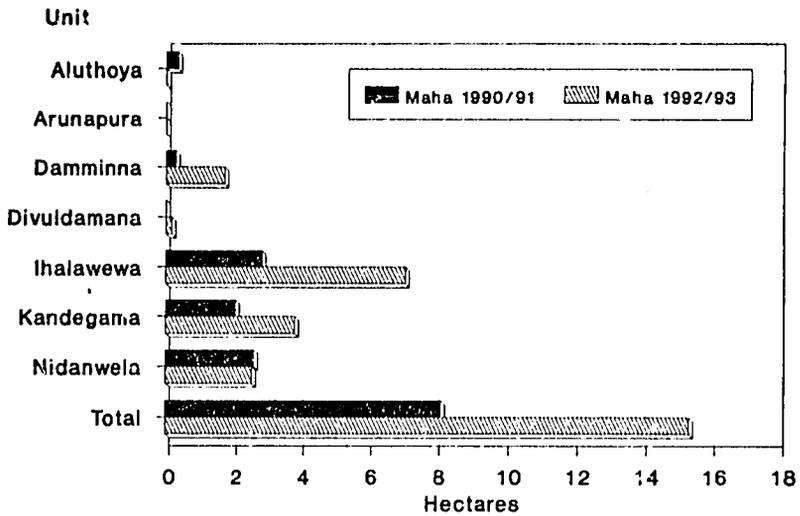
Unit	B'gourd	Cabbage	Potato	S'gourd	Bean	Beet	Maize	Misc. crops	Total OCs	% OCs	Total farmers	OC farmers	% Farmers	OC ha/ farmer
Aluthoya	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	178	0	0.000	
Arunapura	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	245	0	0.000	
Damminna	0.000	0.700	0.000	0.000	0.000	0.000	0.000	0.000	1.719	1.202	143	59	41.259	0.029
Divuldamana	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.175	0.089	197	1	0.508	0.175
Ihalawewa	0.090	0.281	0.028	0.027	0.048	0.000	0.000	0.000	7.085	3.578	198	35	17.677	0.202
Kandegama	0.000	0.136	0.388	0.000	0.000	0.017	0.100	0.058	3.821	2.831	135	59	43.704	0.065
Nidanwela	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.007	2.559	1.881	136	34	25.000	0.075
Total	0.090	0.417	0.416	0.027	0.048	0.019	0.100	0.065	15.360	1.247	1232	188	15.260	0.082
Percent of total	0.007	0.034	0.034	0.002	0.004	0.002	0.008	0.005	1.247					
Percent of OCs	0.585	2.718	2.705	0.178	0.313	0.121	0.651	0.424	100.000					

Crop Cultivation Census; Maha 1992/93; Income from paddy and OC cultivation
Damminna Block (Irrigable lands)

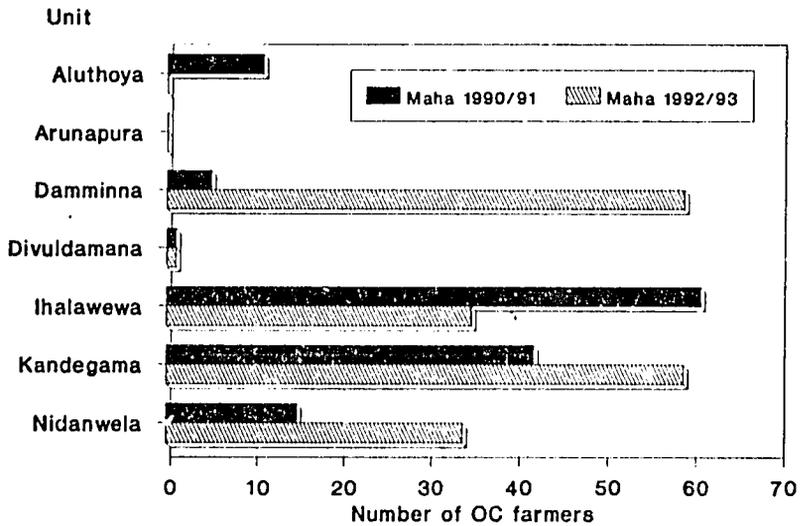
Unit	Paddy	Chill	G'gram	L'bean	R'onion	C'pea	Okra	Brinjal	B'nut	Pumpkin	Tomato	Luffa	G'nut	Capaicum	Radish
Aluthoy	3,038,104.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arunapura	4,181,660.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damminna	2,411,377.28	54,247.91	44.29	2,168.49	1,059.58	1,053.73	99.83	83.38	4,330.52	3,002.40	184.63	187.50	436.58	107.50	275.00
Divuldamana	3,359,409.10	7,582.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ihalawewa	3,258,530.39	260,450.62	330.50	2,301.39	12,175.93	1,457.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	340.00
Kandegama	2,238,959.76	49,377.73	1,577.15	6,206.43	720.33	8,819.85	1,435.30	1,785.50	0.00	2,662.20	4,003.17	0.00	0.00	500.00	3,145.00
Nidanwela	2,277,576.11	71,934.81	1,171.95	1,472.98	1,161.83	602.99	8,705.00	4,255.30	0.00	0.00	419.62	0.00	0.00	0.00	0.00
Total	20,765,616.64	443,593.64	3,123.89	12,149.28	15,117.67	11,934.00	10,240.13	6,124.18	4,330.52	5,664.60	4,607.43	187.50	436.58	607.50	3,760.00

Unit	B'gourd	Cabbage	Potato	S'gourd	Bean	Beet	Maize	Misc. crops	Total Income	Total income if only paddy	Increase in income	% increase in income	Increase in income per OC farmer	% increase per OC farmer
Aluthoya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,038,104.00	3,038,104.00	0.00	0		
Arunapura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,181,660.00	4,181,660.00	0.00	0		
Damminna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,478,658.62	2,440,724.00	37,934.62	1.5542	642.960	3.767
Divuldamana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,366,991.68	3,362,396.00	4,595.67	0.1367	4595.675	26.926
Ihalawewa	2,247.50	1,751.53	3,231.20	237.12	1,202.50	0.00	0.00	0.00	3,544,256.11	3,379,464.00	164,792.11	4.8763	4708.346	27.586
Kandegama	0.00	849.29	44,717.50	0.00	0.00	425.00	1,500.00	1,450.00	2,368,134.21	2,304,180.00	63,954.21	2.7759	1083.970	6.351
Nidanwela	0.00	0.00	0.00	0.00	0.00	40.00	0.00	180.00	2,367,520.57	2,321,248.00	46,272.57	1.9934	1360.958	7.974
Total	2,247.50	2,600.82	47,948.70	237.12	1,202.50	465.00	1,500.00	1,830.00	21,345,325.19	21,027,776.00	317,549.19	1.5101	1689.091	9.896

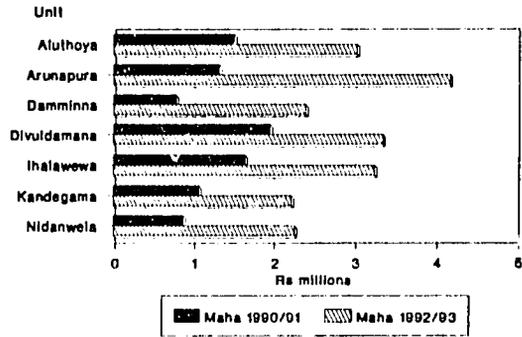
OC Production; Damminna Block Maha 90/91 and Maha 92/93



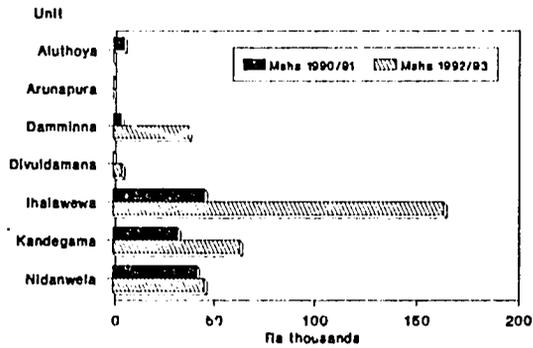
Number of farmers cultivating OCs; Damminna Block; Maha 90/91 & Maha 92/9



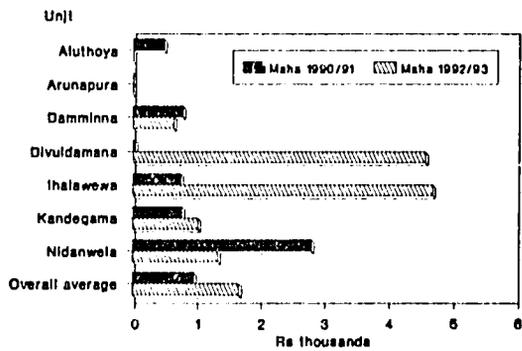
Income from Crop Production; Damminna Maha 90/91 and Maha 92/93



Increase in Income from Diversification Damminna Block, Maha 90/91 and Maha 92/93



Increase in Income from Diversification Damminna Block, Per Farm Family



SUMMARY OF DIMBULAGALA BLOCK

Total cultivation of OCs in Dimbulagala tripled in Maha 1992/93 in comparison with Maha 1990/91. OCs were cultivated on 33 ha of irrigable land, up from 11 ha two years before. As in other blocks, chilli accounted for a large portion of OC cultivation, over 50 percent, whereas in Maha 1990/91, it accounted for less than one-third of OC cultivation. Cultivation of OCs was greatest in Weheragama and Millana.

The program for extending OCs in Dimbulagala Block has been very successful. For the block as a whole, the number of farmers cultivating OCs in irrigable lands rose to 671 from 336 in Maha 1990/91. All units had significant numbers of farmers cultivating OCs, and two units, Dalukana and Millana had over 50 percent of farm families producing OCs in irrigable lands. Increases were especially pronounced in Dimbulagala Unit, which had no OC cultivation in irrigable lands two years ago, and more than 50 families cultivated OCs in Maha 1992/93. The percentage of farmers cultivating OCs in irrigable lands in Dimbulagala Block increased from 17.5 in Maha 1990/91 to 33 in Maha 1992/93. The average area cultivated per farm family was 400 square meters, lower than Damminna, but an increase over Maha 1990/91 when the average was slightly more than 300 square meters.

Similar to Damminna, net income from crop production in irrigable fields rose substantially in Maha 1992/93 relative to Maha 1990/91: Net income was Rs 35 million, up from Rs 17.5 million two years ago. The increase in income over production of paddy only was Rs 1.2 million, up six times from the increase in net income estimated for Maha 1990/91. All units in Dimbulagala Block benefitted from crop diversification in irrigable lands. Weheragama Unit had the largest increase, Rs 258 thousand, and Manampitya had the smallest increase, almost Rs 43 thousand.

Average increase in income per farm family was almost Rs 1,800, or 10.4 percent. Average increases in income per family in five units, Bimpokuna, Bogaswewa, Millana, Thispanagama and Weheragama exceeded 10 percent. These figures are very high in comparison to Maha 1990/91 when the average increase in income was only Rs 568.

Crop Cultivation Census; Maha 1992/93
Dimbulgala Block (Irrigable lands)

Unit	Total area (ha)	Paddy	Chilli	G'gram	L'bean	R'onion	C'pccs	Otra	Brinjal	B'nut	Pumpkin	Tomato	Luffa	G'nut	Capsicum	Radish	Yam
Bimpokuna	215.000	212.181	2.271	0.104	0.023	0.056	0.123	0.085	0.000	0.000	0.000	0.604	0.003	0.025	0.000	0.000	0.000
Bogaswewa	200.000	196.193	2.428	0.178	0.002	0.555	0.210	0.000	0.024	0.000	0.002	0.092	0.000	0.000	0.000	0.007	0.000
Dalukana	138.000	138.594	0.389	2.239	0.068	0.145	0.223	0.004	0.012	0.000	0.000	0.021	0.020	0.043	0.000	0.014	0.085
Dimbulgala	224.000	221.052	0.752	0.437	0.879	0.071	0.127	0.020	0.118	0.000	0.000	0.070	0.350	0.012	0.004	0.000	0.000
Kudawewa	200.000	197.673	1.389	0.028	0.116	0.068	0.130	0.064	0.093	0.000	0.004	0.060	0.003	0.000	0.000	0.007	0.152
Mahaulpotta	175.000	173.580	0.830	0.000	0.063	0.019	0.302	0.012	0.062	0.012	0.016	0.000	0.014	0.000	0.000	0.000	0.018
Manampitya	201.000	199.623	0.751	0.114	0.126	0.000	0.198	0.059	0.031	0.000	0.000	0.036	0.014	0.000	0.000	0.000	0.021
Millana	208.000	202.523	3.358	0.098	0.311	0.163	0.024	0.038	0.014	0.101	0.172	0.028	0.054	0.002	0.004	0.000	0.096
Thispanagama	196.000	192.220	2.443	0.118	0.008	0.068	0.100	0.005	0.007	0.000	0.000	0.654	0.000	0.120	0.107	0.019	0.000
Weheragama	257.000	249.671	2.623	0.438	0.210	2.226	1.008	0.022	0.139	0.030	0.040	0.124	0.179	0.025	0.000	0.098	0.000
Total	2014.000	1981.311	17.232	2.329	1.393	3.518	2.584	0.302	0.524	0.056	0.193	0.642	0.690	0.278	0.113	0.149	0.373
Percent of total		98.377	0.856	0.116	0.069	0.175	0.128	0.015	0.026	0.003	0.010	0.032	0.034	0.014	0.006	0.007	0.019
Percent of OCs		52.716	7.124	4.260	10.762	7.904	0.924	1.603	0.171	0.591	1.964	2.111	0.851	0.344	0.455	1.140	

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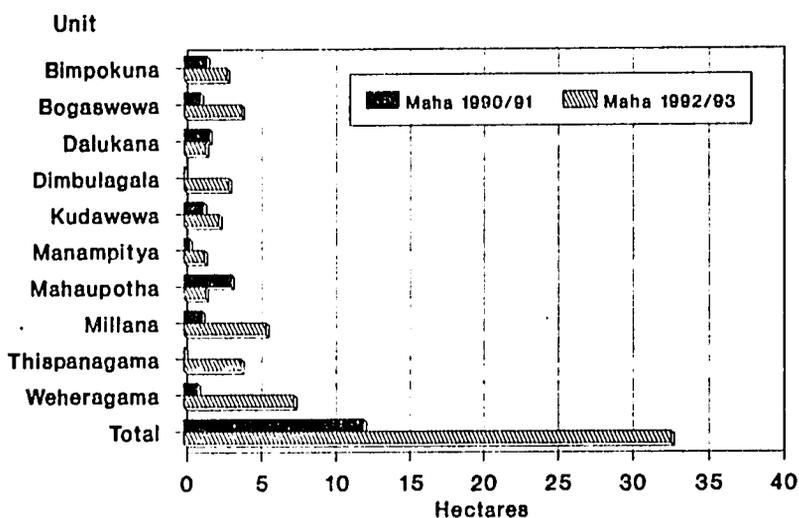
Unit	B'gourd	Cabbage	Potato	S'gourd	Bean	Beet	Maize	Misc. crops	Total OCs	% OCs	Total farmers	OC farmers	% Farmers	OC ha/ farmer
Bimpokuna	0.010	0.000	0.116	0.000	0.000	0.000	0.000	0.000	2.819	1.311	215.000	57.000	26.512	0.049
Bogaswewa	0.010	0.008	0.185	0.048	0.012	0.002	0.000	0.047	3.807	1.903	200.000	71.000	35.500	0.054
Dalukana	0.048	0.000	0.028	0.000	0.060	0.000	0.007	0.000	1.406	1.019	138.000	81.000	58.696	0.017
Dimbulgala	0.021	0.000	0.000	0.000	0.000	0.000	0.235	0.036	2.948	1.316	224.000	56.000	25.000	0.053
Kudawewa	0.071	0.000	0.000	0.006	0.000	0.000	0.000	0.056	2.327	1.163	200.000	66.000	34.000	0.034
Mahaulpotta	0.008	0.000	0.017	0.000	0.000	0.000	0.000	0.348	1.421	0.812	175.000	32.000	18.286	0.044
Manampitya	0.022	0.000	0.000	0.006	0.000	0.000	0.000	0.000	1.377	0.685	201.000	49.000	24.378	0.028
Millana	0.005	0.017	0.099	0.007	0.041	0.000	0.002	0.143	5.477	2.633	208.000	105.000	50.481	0.052
Thispanagama	0.000	0.000	0.132	0.000	0.019	0.001	0.000	0.579	3.780	1.928	196.000	56.000	28.571	0.067
Weheragama	0.062	0.000	0.000	0.000	0.076	0.000	0.000	0.030	7.329	2.652	257.000	96.000	37.354	0.076
Total	0.255	0.025	0.576	0.065	0.208	0.003	0.244	0.939	32.669	1.623	2014	671	33.317	0.049
Percent of total	0.013	0.001	0.029	0.003	0.010	0.000	0.012	0.047	1.623					
Percent of OCs	0.781	0.075	1.762	0.199	0.636	0.009	0.746	2.872	100.000					

Crop Cultivation Census; Maha 1992/93; Income from paddy and OC cultivation
Dimbulagala Block (Irrigable lands)

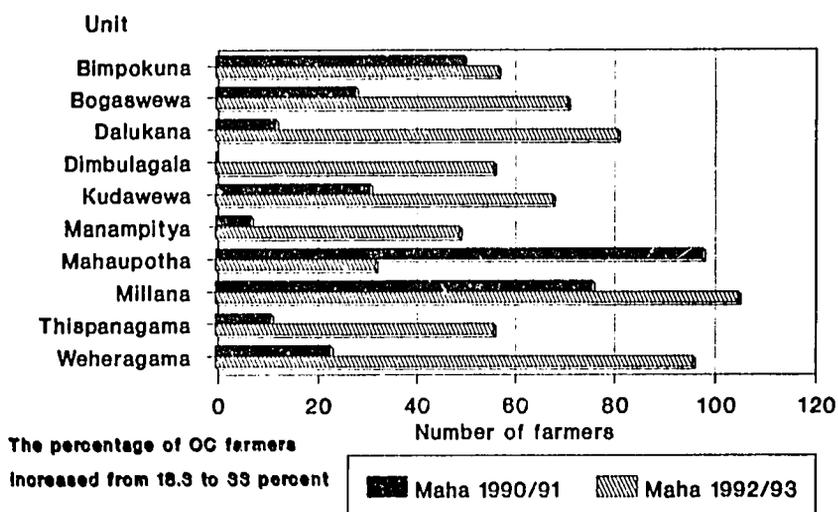
Unit	Paddy	Chili	Gram	L'bean	Onion	C'pea	Okra	Brinjal	B'nut	Pumpkin	Tomato	Luffa	G'nut	Capsicum	Radish	Yam
Bimpokuna	3,621,505.31	98,400.16	689.42	511.67	2,602.49	1,047.74	1,865.64	0.00	0.00	0.00	176.24	62.50	1,091.45	0.00	0.00	0.00
Bogaswewa	3,348,628.95	105,185.48	1,175.25	53.23	25,787.87	1,793.56	0.00	695.80	0.00	113.40	3,864.70	0.00	0.00	0.00	175.00	0.00
Dalukana	2,331,388.10	16,859.31	1,582.43	1,510.63	6,738.59	1,907.32	79.66	345.02	0.00	0.00	897.99	510.00	1,659.83	0.00	340.00	2,125.00
Dimbulagala	3,772,918.95	32,600.74	2,689.23	15,028.76	3,299.58	1,066.23	632.24	3,392.74	0.00	0.00	3,289.82	8,766.00	502.07	87.50	0.00	0.00
Kudawewa	3,373,867.88	60,175.32	185.08	2,573.83	3,150.67	1,115.31	1,417.56	2,671.06	0.00	189.00	2,521.92	2,062.50	0.00	0.00	175.00	3,810.00
Mahaulpotha	2,962,654.91	35,945.74	0.00	1,399.66	864.40	2,584.72	268.21	1,782.62	445.66	669.40	0.00	350.00	0.00	0.00	0.00	450.00
Matampiya	3,407,172.19	32,527.08	754.86	2,790.90	0.00	1,691.78	1,297.78	891.31	0.00	0.00	1,510.63	340.00	0.00	0.00	0.00	525.00
Millana	3,456,659.15	145,481.45	4,444.56	2,161.64	14,453.10	1,395.85	521.32	1,061.08	516.25	7,095.60	7,209.07	695.00	2,344.43	50.00	107.50	2,410.00
Thispanagama	3,280,817.79	105,831.08	778.66	181.63	3,165.45	656.16	108.70	264.14	0.00	0.00	2,792.73	0.00	5,247.69	2,675.00	470.00	0.00
Weneragama	4,261,377.60	113,656.30	2,693.86	4,653.72	103,433.31	8,620.57	488.05	3,299.40	1,114.20	2,160.00	5,190.70	4,475.00	1,100.18	0.00	2,452.50	0.00
Total	33,817,011.03	745,662.66	15,393.37	32,846.09	153,496.66	22,099.24	6,697.35	15,063.17	2,076.13	10,427.40	26,943.80	17,255.00	12,145.66	2,612.50	3,720.00	9,320.00

Unit	B'gourd	Cabbage	Potato	S'gourd	Bean	Beet	Maize	Misc crops	Total income	Total income if only paddy	Increase in income	% increase in income	Increase in income per OC farmer	% increase per OC farmer
Bimpokuna	237.50	0.00	13,374.86	0.00	0.00	0.00	0.00	0.00	3,741,564.96	3,621,505.31	120,079.67	3.31%	2106.661	12.343
Bogaswewa	250.00	46.73	21,325.92	397.22	300.00	52.50	0.00	1,185.00	3,511,010.62	3,348,628.95	162,381.66	4.64%	2267.366	13.400
Dalukana	1,167.50	0.00	3,231.20	0.00	1,502.50	0.00	70.00	0.00	2,372,135.28	2,331,368.10	40,747.19	1.74%	503.052	2.947
Dimbulagala	525.00	0.00	0.00	0.00	0.00	0.00	2,345.00	900.00	3,846,257.66	3,772,918.95	75,338.93	1.99%	1345.336	7.882
Kudawewa	1,770.00	0.00	0.00	51.92	0.00	0.00	0.00	1,410.00	3,457,167.25	3,373,867.88	83,279.36	2.45%	1224.697	7.175
Mahaulpotha	200.00	0.00	1,938.72	0.00	0.00	0.00	0.00	1,200.00	3,010,952.27	2,962,654.91	48,297.36	1.63%	1509.293	8.843
Matampiya	545.00	0.00	0.00	51.92	0.00	0.00	0.00	0.00	3,450,098.45	3,407,172.19	42,926.26	1.26%	876.046	5.133
Millana	112.50	105.93	11,389.98	60.58	1,025.00	0.00	22.00	3,565.00	3,662,907.19	3,456,659.15	206,248.04	5.95%	1964.267	11.506
Thispanagama	0.00	0.00	15,221.26	0.00	457.50	25.00	0.00	14,470.00	3,432,606.60	3,280,817.79	151,989.01	4.63%	2714.089	15.902
Weneragama	1,552.50	0.00	0.00	0.00	1,900.00	0.00	0.00	742.50	4,519,607.58	4,261,377.60	258,429.76	6.06%	2651.977	15.772
Total	6,380.00	152.66	60,481.94	561.64	5,195.00	77.50	2,437.00	23,472.50	35,006,728.30	33,517,011.03	1,189,717.27	3.51%	1773.051	10.366

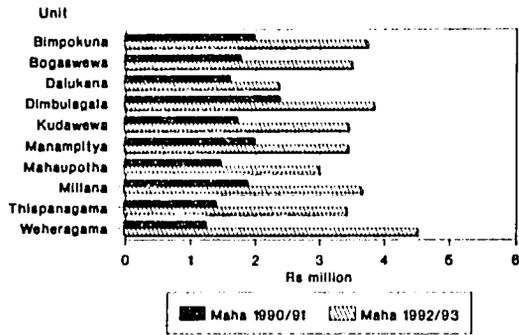
OC Production; Dimbulagala Block Maha 90/91 and Maha 92/93



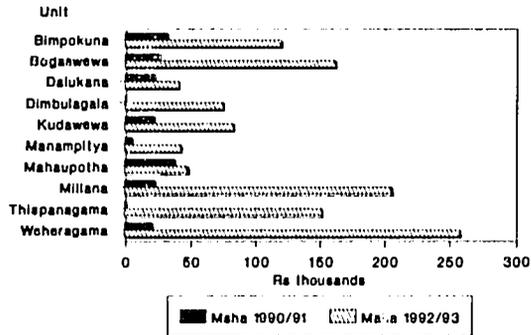
Number of OC farmers; Dimbulagala Block Maha 90/91 and Maha 92/93



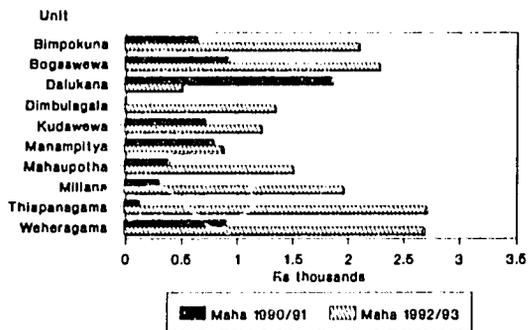
Income from Crop Production; Dimbulagala Maha 90/91 and Maha 92/93



Increase in Income from Diversification Dimbulagala; Maha 90/91 and Maha 92/93



Increase in Income from Diversification Dimbulagala; Per Farm Family



SUMMARY OF ELLEWEWA BLOCK

Extension efforts have paid off handsomely for farmers in Ellewewa Block. Numerous extension programs, including contract farming for production of export crops, have had a significant impact on crop production. Diversification is high, and incomes have increased substantially.

Almost 80 ha of OCs were cultivated in Ellewewa Block during Maha 1992/93. This is more than five times the amount grown in Maha 1990/91 and about double that reported by the MEA in Maha 1991/92. The farmers in Kalukele cultivated over 27 ha, almost 10 percent of the total cultivated irrigable area. Ellewewa, Ihala Ellewewa, and Pahala Ellewewa Units each had about 10 ha of OCs in the irrigable fields. Overall, Ellewewa farmers devoted 4 percent of their irrigable fields to OCs in Maha 1992/93.

Chilli was the most common crop in Ellewewa, accounting for almost 50 percent of total OC hectareage. Cowpea and gherkin were also important with about 10 ha each.

Thirty-one percent of the farmers in Ellewewa Block diversified crop production in the irrigable fields in Maha 1992/93. The increase over Maha 1990/91 was 200 farmers, from 422 to 623. Kalukele had the greatest number (185) of farmers cultivating OCs in irrigable lands. All units had at least 15 percent of the farmers diversifying crop production in irrigable lands. The average area devoted to OC production was 0.126 ha, a large increase over the average area during Maha 1990/91. Two years ago the average cultivated OC area was 340 square meters.

Total net income from crop production in irrigable fields in the block was Rs 35.6 million, also a large increase over Maha 1990/91. The increase in income due to crop diversification was Rs 1.67 million. Compared with just Rs 216.5 thousand in Maha 1990/91, this increase clearly shows the value of crop diversification and the importance of extension activities to improve production and farm income. The largest increase in income was in Kalukele. Kalukele farmers increased total net income by Rs 772 thousand, or 16 percent.

The average increase in income per farm family was Rs 2,681, or 15.7 percent. Ellewewa Unit had the greatest increase in income, over Rs 5,166 per family. Kalukele and Malgudamana also had large increases in income.

Crop Cultivation Census; Maha 1992/93
Ellewewa Block (Irrigable lands)

Unit	Total area (ha)	Paddy	Chilli	B'onion	G'gram	L'bean	R'onion	C'pea	Okra	Brinjal	Gherkin	B'nut	Tomato	Luffa	Soya	B'gourd	B'gourd	Banana	Beet
Bandenagala	230.000	228.876	0.417	0.000	0.093	0.093	0.009	0.132	0.028	0.048	0.000	0.000	0.021	0.011	0.044	0.000	0.013	0.000	0.000
Ellewewa	225.000	215.010	5.730	0.000	0.010	0.505	0.000	1.508	0.000	0.101	0.713	0.000	0.310	0.008	0.000	0.000	0.000	0.000	0.000
Ihala Ellewewa	303.000	292.316	4.513	0.000	0.715	0.012	0.023	5.274	0.000	0.045	0.000	0.000	0.037	0.000	0.000	0.000	0.000	0.000	0.000
Kalukale	282.000	254.185	10.365	0.000	0.275	0.130	0.021	0.402	0.016	0.053	8.120	0.234	0.217	0.027	0.000	0.185	0.041	0.000	0.000
Malgudemana	242.000	235.236	5.186	0.000	0.408	0.183	0.098	0.227	0.033	0.000	0.081	0.000	0.017	0.000	0.000	0.000	0.025	0.000	0.000
Mahademana	227.000	220.680	2.661	0.000	0.582	0.316	0.225	0.361	0.017	0.138	0.000	0.190	0.089	0.102	0.000	0.000	0.015	1.044	0.037
Patrala Ellewewa	225.000	215.010	5.730	0.000	0.010	0.505	0.000	1.508	0.000	0.101	0.713	0.000	0.310	0.008	0.000	0.000	0.000	0.000	0.000
Palatiyawa	256.000	249.775	3.625	0.000	0.683	0.829	0.410	0.442	0.023	0.157	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.000
Total	1990.000	1911.245	38.2574	0.0085	2.7567	2.5713	0.8563	9.8534	0.1163	0.6426	9.8259	0.4241	1.0498	0.1547	0.0436	0.1849	0.0943	1.0437	0.037
Percent of total		96.043	1.922	0.000	0.139	0.129	0.043	0.495	0.006	0.032	0.484	0.021	0.053	0.008	0.002	0.009	0.005	0.052	0.002
Percent of OCs			48.578	0.011	3.500	3.255	1.087	12.512	0.148	0.818	12.223	0.539	1.333	0.196	0.055	0.235	0.120	1.325	0.047

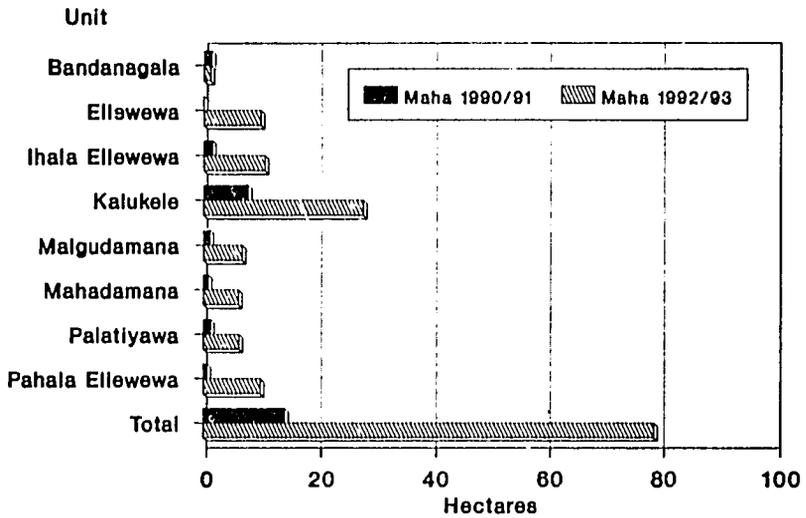
Unit	Cabbage	Knoikhol	Pumpkin	Maize	G'nut	Capsicum	C melon	Bean	Cucumber	Radish	W'bean	Yam	Total OCs	% OCs	Total farmers	OC farmers	% OC farmers	OC ha/farmers	
Bandenagala	0.000	0.000	0.052	0.000	0.000	0.002	0.000	0.054	0.043	0.005	0.053	0.007	1.125	0.489	230	49	21.304	0.023	
Ellewewa	0.000	0.000	0.000	0.000	0.000	0.000	1.108	0.000	0.000	0.000	0.000	0.000	9.991	4.440	242	45	18.595	0.222	
Ihala Ellewewa	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.664	3.525	303	71	23.432	0.150	
Kalukale	0.168	0.044	0.090	4.494	0.018	0.093	2.521	0.211	0.000	0.005	0.000	0.006	27.835	9.871	282	185	65.603	0.150	
Malgudemana	0.000	0.000	0.055	0.000	0.000	0.000	0.450	0.000	0.000	0.000	0.000	0.000	6.764	2.795	245	45	18.367	0.150	
Mahademana	0.057	0.000	0.060	0.052	0.020	0.030	0.000	0.000	0.000	0.035	0.000	0.180	6.140	2.705	227	97	42.731	0.063	
Patrala Ellewewa	0.000	0.000	0.000	0.000	0.000	0.000	1.108	0.000	0.000	0.000	0.000	0.000	9.991	4.440	225	89	39.556	0.112	
Palatiyawa	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	6.226	2.432	256	42	16.406	0.148	
Total	0.2908	0.0441	0.1977	4.5464	0.0375	0.1251	5.1857	0.2648	0.0433	0.0527	0.053	0.1924	78.754	3.957	2010	623	30.995	0.126	
Percent of total	0.015	0.002	0.010	0.228	0.002	0.006	0.081	0.013	0.002	0.003	0.003	0.010	3.957						
Percent of OCs	0.369	0.056	0.251	5.773	0.048	0.159	6.585	0.336	0.065	0.067	0.067	0.244							

Crop Cultivation Census; Maha 1992/93; Income from paddy and OC cultivation
Ellewewa Block (Irrigable lands)

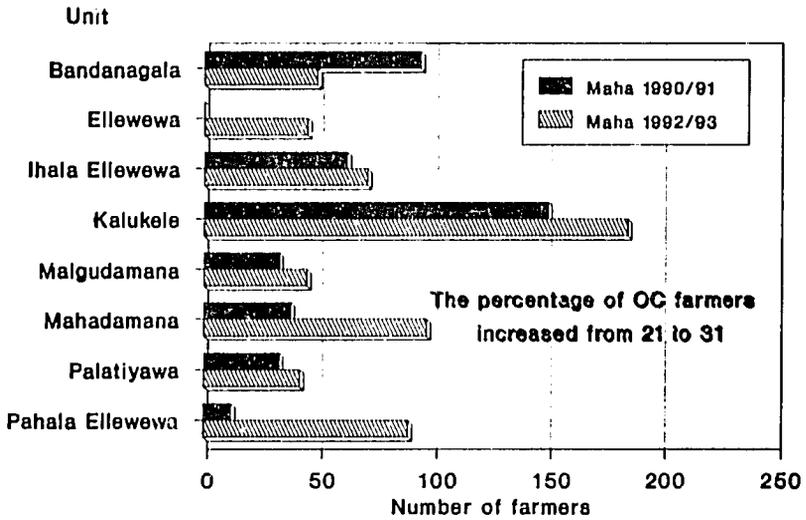
Unit	Paddy	Chilli	B'onion	G'gram	L'bean	R'onion	C'pea	Okra	Brinjal	Gharion	B'nut	Tomato	Luffa	Soya	B'gourd	S'gourd	Banana	Beet
Bandanagala	3,906,447.03	18,065.52	0.00	613.41	2,062.17	399.67	1,130.71	612.28	1,382.97	0.00	0.00	897.99	267.50	1,090.00	0.00	111.64	0.00	0.00
Ellewewa	3,659,792.15	248,275.17	0.00	66.10	11,174.68	0.00	12,893.65	0.00	2,903.95	46,058.84	0.00	13,008.22	187.50	0.00	0.00	0.00	0.00	0.00
IhalaEllewewa	4,589,244.37	195,539.44	0.00	4,728.79	254.73	1,045.64	45,108.52	0.00	1,293.84	0.00	0.00	1,552.59	0.00	0.00	0.00	0.00	0.00	0.00
Kalukale	4,338,091.63	450,417.95	0.00	1,819.73	2,868.43	4,219.75	3,441.73	359.38	1,509.48	547,663.39	8,694.47	9,093.17	675.00	0.00	4,622.50	355.68	0.00	0.00
Malgudamana	4,015,011.45	224,708.53	0.00	2,997.54	4,053.45	4,554.35	1,938.97	732.07	0.00	5,490.51	0.00	713.35	0.00	0.00	0.00	218.95	0.00	0.00
Mahadamana	3,759,640.19	115,285.47	255.00	3,715.48	7,003.83	10,521.49	3,088.49	366.04	3,967.78	0.00	7,055.90	3,722.03	2,550.00	0.00	0.00	129.81	25,092.50	925.00
PahalaEllewewa	3,659,792.15	248,275.17	0.00	66.10	11,174.68	0.00	12,893.65	0.00	2,903.95	46,058.84	0.00	13,008.22	187.50	0.00	0.00	0.00	0.00	0.00
Palayyawa	4,253,151.17	157,057.63	0.00	4,514.83	18,362.35	19,053.93	3,780.43	510.23	4,514.06	0.00	0.00	2,056.14	0.00	0.00	0.00	0.00	0.00	0.00
Total	32,821,150.14	1,657,664.88	255.00	18,221.79	56,954.30	39,794.83	84,276.13	2,580.00	18,475.04	649,276.58	15,751.07	44,051.71	3,967.50	1,090.00	4,622.50	816.07	25,092.50	925.00

Unit	Cabbage	Kokkol	Pumpkin	Maze	G'nut	Capsicum	C'melon	Bean	Cucumber	Raddish	W'bean	Yam	Total income	Total income if only paddy	Increase in income	% increase in income	Increase in income per farmer	% increase per farmer
Bandanagala	0.00	0.00	2,829.80	0.00	0.00	59.00	0.00	1,342.50	1,082.50	127.50	1,325.00	155.00	3,940,022.98	3,925,640.00	14,382.98	0.366385	293.550	1.720
Ellewewa	0.00	0.00	0.00	0.00	0.00	0.00	66,450.00	0.00	0.00	0.00	0.00	0.00	4,072,800.25	3,840,300.00	232,500.25	5.054220	5136.672	30.271
IhalaEllewewa	411.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,239,175.16	5,171,604.00	67,571.16	1.306557	951.763	5.576
Kalukale	1,045.95	1,102.50	4,876.20	44,944.00	784.00	2,327.50	151,290.00	5,277.50	0.00	127.50	0.00	145.00	5,585,577.07	4,813,179.41	772,497.66	16.04963	4175.693	24.485
Malgudamana	0.00	0.00	2,970.00	0.00	0.00	0.00	27,012.00	0.00	0.00	0.00	0.00	0.00	4,290,101.13	4,130,456.00	159,645.13	3.865074	3547.671	20.786
Mahadamana	355.17	0.00	0.00	520.00	873.16	750.00	0.00	0.00	0.00	375.00	0.00	4,500.00	3,962,193.02	3,674,436.00	287,757.02	2.265027	904.712	5.301
PahalaEllewewa	0.00	0.00	0.00	0.00	0.00	0.00	66,450.00	0.00	0.00	0.00	0.00	0.00	4,072,800.25	3,840,300.00	232,500.25	5.054220	2612.362	15.306
Palayyawa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.50	0.00	0.00	4,473,198.06	4,369,405.00	103,793.06	2.375380	2471.192	14.479
Total	1,811.97	1,102.50	12,675.80	45,464.00	1,637.16	3,127.50	311,142.00	6,620.00	1,082.50	1,317.50	1,325.00	4,810.00	35,635,971.99	33,965,323.41	1,670,648.57	4.919686	2581.619	15.711

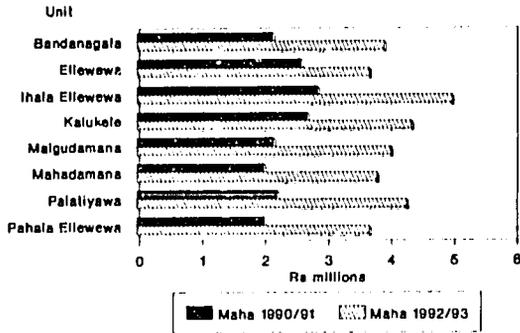
OC Production; Ellewewa Block Maha 90/91 and Maha 92/93



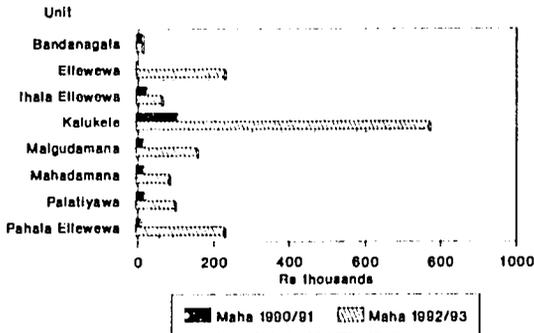
Number of OC farmers; Ellewewa Block Maha 90/91 and Maha 92/93



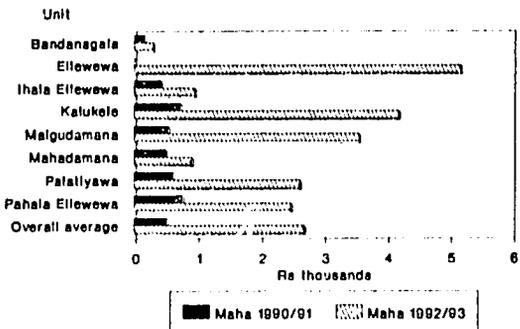
Income from Crop Production; Ellewewa Maha 90/91 and Maha 92/93



Increase in Income from Diversification Ellewewa; Maha 90/91 and Maha 92/93



Increase in Income from Diversification Ellewewa; Per Farm Family



SUMMARY OF SENAPURA BLOCK

Senapura Block is located in Zone 3 of System B, a more newly settled area than the blocks discussed thus far. Diversification of crop production in this area is constrained more seriously than the blocks discussed earlier in this report. Constraints include a lack of security which prevents some marketing agents or outgrowers' programs to work with farmers in the area, and more severe drainage problems.

Nonetheless, Senapura Block has expanded its cultivation of OCs in the past two years. During Maha 1990/91 only 58 settlers cultivated OCs on the irrigable lands, a mere 3.75 percent of the total. During Maha 1992/93, over 150 farmers, or 10 percent of the total, cultivated OCs. Two units in particular, Malwila and Magulpokua, had large increases in the number of farmers cultivating OCs in irrigable fields. About 35 percent of the farmers in both units diversified crop production, up from less than 10 percent in Maha 1990/91.

In Maha 1992/93, almost 12 ha of irrigable fields were devoted to OC production, up from only 3 ha in Maha 1990/91. The average area cultivated per farm family rose to 740 square meters, from 500 square meters.

Total net income from crop production in irrigable fields doubled from Maha 1990/91 to Maha 1992/93. Total net income for Maha 1992/93 was Rs 27 million, up from Rs 13.9 million two years earlier. The increase in income resulting from diversification was Rs 191.7 thousand. This was a large increase over Maha 1990/91 when the added income from diversification was only Rs 52.6 thousand.

The increase in income per farm family was smaller than for other areas. Senapura farmers who diversified crop production in Maha 1992/93 increased their income an average of Rs 932. Two years before the increase was Rs 907.

Crop Cultivation Census; Maha 1992/93
Senapura Block (Irrigable lands)

Unit	Total area (ha)	Paddy	Chilli	G'gram	L'bean	R'onion	C'pea	Okra	Brinjal	B'nut	Pumpkin	Tomato	Luffa	G'nut	Capsicum	Yam
Boaththa	175.000	175.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Katuwanwila	259.000	258.475	1.375	0.000	0.950	0.000	0.000	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mahwila	182.000	179.757	1.705	0.000	0.000	0.195	0.057	0.000	0.022	0.000	0.000	0.000	0.000	0.000	0.264	0.000
Malgupokuna	165.000	159.729	1.478	0.225	1.069	0.065	0.664	0.140	0.330	0.000	0.590	0.200	0.155	0.000	0.025	0.220
Monaratanna	173.000	173.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ruhunuketha	122.000	121.504	0.228	0.000	0.000	0.022	0.225	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sandunpitya	148.000	145.965	0.035	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Senapura	153.000	152.830	0.120	0.000	0.000	0.030	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Susrigama	197.000	195.982	0.318	0.000	0.172	0.053	0.128	0.002	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	1572.000	1560.242	5.257	0.225	2.191	0.365	1.083	0.342	0.652	0.000	0.590	0.208	0.175	0.000	0.309	0.220
Percent of total		99.252	0.334	0.014	0.139	0.023	0.069	0.022	0.042	0.000	0.038	0.013	0.011	0.000	0.020	0.014
Percent of OCs			44.712	1.914	18.632	3.101	9.210	2.905	5.548	0.000	5.018	1.765	1.487	0.000	2.630	1.871

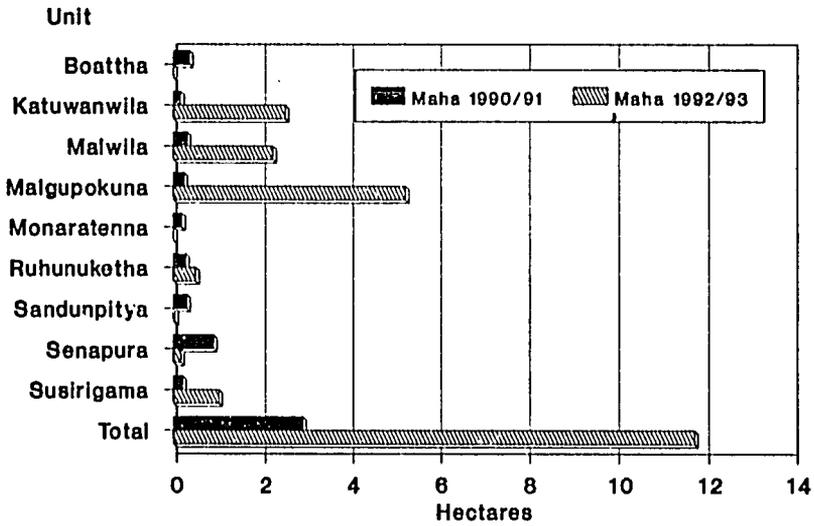
Unit	B'gourd	Cabbage	Potato	S'gourd	Bean	Beet	Maize	Misc. crops	Total OCs	% OCs	Total farmers	OC farmers	% Farmers	OC ha/ farmer
Boaththa	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	175	0	0.000	
Katuwanwila	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.525	0.975	259	7	2.703	0.361
Mahwila	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.243	1.232	182	67	36.813	0.033
Malgupokuna	0.073	0.000	0.000	0.020	0.020	0.000	0.000	0.000	5.271	3.195	165	57	34.545	0.092
Monaratanna	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	173	0	0.000	
Ruhunuketha	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.498	0.408	122	11	9.016	0.045
Sandunpitya	0.000	0.000	0.300	0.000	0.000	0.000	0.000	0.000	0.035	0.024	148	1	0.685	0.035
Senapura	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.170	0.111	153	5	3.268	0.034
Susrigama	0.000	0.014	0.000	0.300	0.000	0.000	0.000	0.000	1.019	0.517	197	10	5.076	0.102
Total	0.073	0.014	0.010	0.020	0.020	0.000	0.000	0.008	11.758	0.748	1572	158	10.051	0.074
Percent of total	0.005	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.748					
Percent of OCs	0.617	0.119	0.085	0.170	0.170	0.000	0.000	0.048	100.000					

Crop Cultivation Census; Maha 1992/93; Income from paddy and OC cultivation
Senapura Block (Irrigable lands)

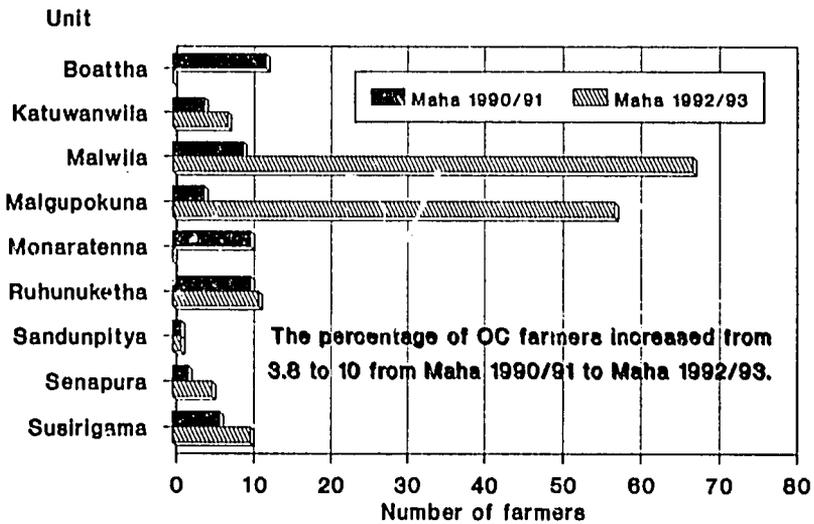
Unit	Paddy	Chill	G'gram	L'bean	R'onion	C'pea	Okra	Brinjal	B'nut	Pumpkin	Tomato	Luffa	G'nut	Capsicum	Yam
Boaththa	2,988,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Katuwanwila	4,377,515.30	59,577.38	0.00	21,042.50	0.00	0.00	4,438.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mahwila	3,068,090.77	73,884.81	0.00	0.00	9,043.85	490.84	0.00	644.04	0.00	0.00	0.00	0.00	0.00	6,587.50	0.00
Malgupokuna	2,728,254.57	63,953.60	1,487.25	23,667.28	3,020.75	5,679.19	3,105.78	9,488.18	0.00	31,860.00	8,385.20	3,875.00	0.00	625.00	5,500.00
Monaratenna	2,952,784.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ruhunuketha	2,073,833.69	9,887.68	0.00	0.00	1,003.82	1,926.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sandunpitya	2,491,330.62	1,518.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Senapura	2,608,502.44	5,199.48	0.00	0.00	1,394.19	85.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Susirigama	3,345,012.24	13,778.62	0.00	3,818.45	2,481.66	1,080.24	35.49	3,625.60	0.00	0.00	314.45	495.00	0.00	0.00	0.00
Total	26,630,203.63	227,797.88	1,487.25	48,526.22	16,944.06	9,262.04	7,578.05	18,757.80	0.00	31,860.00	8,899.65	4,370.00	0.00	7,732.50	5,500.00

Unit	B'gourd	Cabbage	Potato	S'gourd	Bean	Beet	Maize	Misc. crops	Total income	Income if only paddy	Increase in income	% increase in income	Increase in income per farmer	% increase per OC farmer
Boaththa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,988,900.00	2,988,900.00	0.00			
Katuwanwila	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,452,571.98	4,420,612.00	41,959.98	0.949	5994.282	35.120
Mahwila	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,158,741.51	3,106,378.00	52,365.51	1.686	781.575	4.579
Malgupokuna	1,812.50	0.00	0.00	173.08	500.00	0.00	0.00	0.00	2,849,387.34	2,816,220.00	73,167.34	2.598	1283.638	7.521
Monaratenna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,952,784.00	2,952,784.00	0.00	0.000	0.000	0.000
Ruhunuketha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,087,171.32	2,082,296.00	4,875.32	0.234	443.211	2.597
Sandunpitya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,492,847.14	2,491,928.00	919.14	0.037	919.135	5.365
Senapura	0.00	0.00	1,154.00	0.00	0.00	0.00	0.00	0.00	2,616,335.64	2,611,404.00	4,931.64	0.189	986.328	5.779
Susirigama	0.00	87.23	0.00	0.00	0.00	0.00	0.00	140.00	3,375,866.98	3,362,398.00	13,470.98	0.401	1347.098	7.893
Total	1,812.50	87.23	1,154.00	173.08	500.00	0.00	0.00	140.00	27,022,585.90	26,830,898.00	191,689.90	0.714	1213.227	7.708

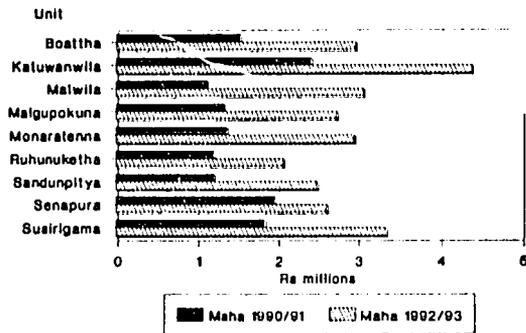
OC Production; Senapura Block Maha 90/91 and Maha 92/93



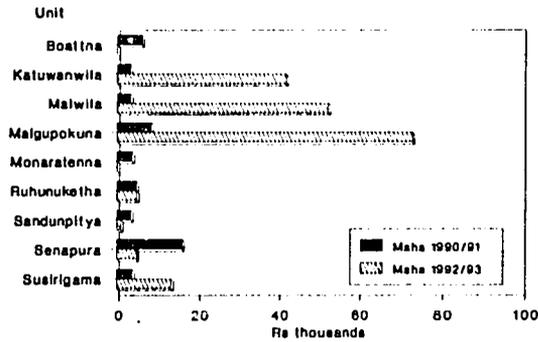
Number of OC farmers; Senapura Block Maha 90/91 and Maha 92/93



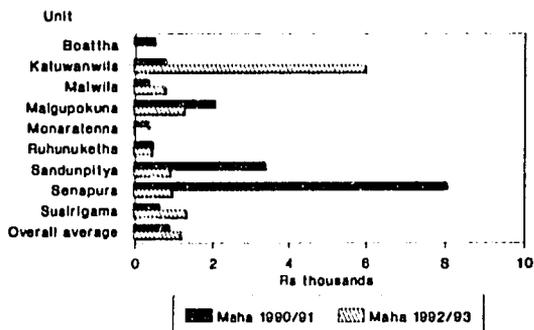
Income from Crop Production; Senapura Maha 90/91 and Maha 92/93



Increase in Income from Diversification Senapura; Maha 90/91 and Maha 92/93



Increase in Income from Diversification Senapura; Per farm Family



SUMMARY OF SEVANAPITYA BLOCK

Sevanapitya Block has many of the same problems constraining its development as Senapura Block. Also located in Zone 3, diversification is constrained by security problems, and the reluctance of exporters to set up outgrowers' programs in that area. It is also handicapped by poorly drained areas that make diversification in irrigable lands, especially in Maha, difficult.

Diversification of irrigable fields expanded in Maha 1992/93 in comparison to Maha 1990/91, but not as greatly as in other blocks.⁵ Total land devoted to OCs increased to 7.38 ha from 4.5 ha two years before. This is the smallest percentage increase of all blocks.

The number of farmers who engaged in crop diversification during Maha 1992/93 decreased to 142 from 147 in Maha 1990/91. This was 7.6 percent of the total number of farmers, a reduction of about one percent from two years previous.

Similar to all other blocks, total net income from crop production in irrigable fields increased substantially, to Rs 31.9 million from only Rs 15.9 million. Most of the increase can be attributed to higher net returns to paddy and chilli. The increase in income over production of paddy only was Rs 147 thousand, up from Rs 85 thousand in Maha 1990/91.

The average increase in income per farm family over production of paddy only was Rs 1035, an increase of 6 percent. The largest average increase was in Manikwela, where farmers who cultivated OCs gained over Rs 5,265 or 31 percent more than from production of paddy only.

⁵ The cultivation census for Maha 1990/91 reports on 11 units in Sevanapitya, whereas Maha 1992/93 reports on only 10 units. Karapola and Muthugala are no longer included in the Sevanapitya census due to lack of security, but Mahawewa, formerly in Dimbulagala Block is now included as a Sevanapitya Unit. Maha 1990/91 figures are adjusted to reflect the current set of units in Sevanapitya Blocks so that proper comparisons with Maha 1992/93 can be made.

Crop Cultivation Census; Maha 1992/93
Sevanapitya Block (Irrigable lands)

Unit	Total area (ha)	Paddy	Chilli	G'gram	L'bean	R'onion	C'pea	Okra	Brinjal	B'nut	Pumpkin	Tomato	Luffa	G'nut	Capsicum	Radish	Yam
Aluthwewa	239.000	237.175	0.603	0.286	0.074	0.048	0.222	0.011	0.048	0.033	0.046	0.042	0.009	0.240	0.012	0.025	0.000
Borawewa	178.000	178.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ginidamena	200.000	190.188	0.267	0.002	0.019	0.019	0.160	0.003	0.157	0.000	0.003	0.010	0.011	0.008	0.000	0.000	0.025
Madurangala	218.000	217.735	0.014	0.000	0.000	0.043	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.109	0.000	0.000
Mahawewa	199.000	198.565	1.979	0.022	0.127	0.008	0.126	0.024	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Malinda	158.000	157.927	0.050	0.000	0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manikwela	201.000	199.985	0.652	0.000	0.000	0.308	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nelumwewa	180.000	180.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Rideepokuna	153.000	153.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sevanapitya	134.000	133.045	0.840	0.000	0.005	0.007	0.070	0.000	0.000	0.000	0.002	0.017	0.000	0.000	0.000	0.000	0.000
Total	1860.000	1852.620	4.404	0.310	0.247	0.433	0.578	0.038	0.203	0.033	0.050	0.093	0.072	0.338	0.121	0.041	0.025
Percent of total		99.603	0.237	0.017	0.013	0.023	0.031	0.002	0.011	0.002	0.003	0.005	0.004	0.018	0.007	0.002	0.001
Percent of OCs			59.675	4.199	3.348	5.672	7.828	0.518	2.756	0.449	0.679	1.253	0.972	4.577	1.641	0.554	0.344

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Unit	B'gourd	Cabbage	Potato	S'gourd	Beas	Beet	Maize	Misc. crops	Total OCs	% OCs	Total farmers	OC farmers	% Farmers	OC ha/ farmer
Aluthwewa	0.011	0.016	0.020	0.021	0.031	0.000	0.015	0.015	1.825	0.763	239	30	12.552	0.061
Borawewa	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	178	0	0.000	
Ginidamena	0.003	0.003	0.000	0.000	0.015	0.008	0.000	0.010	0.813	0.406	200	39	19.500	0.021
Madurangala	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.285	0.121	218	4	1.835	0.006
Mahawewa	0.000	0.000	0.010	0.002	0.000	0.000	0.000	0.044	2.435	1.224	199	44	22.111	0.055
Malinda	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.073	0.046	158	2	1.266	0.036
Manikwela	0.000	0.000	0.053	0.000	0.000	0.000	0.000	0.000	1.015	0.505	201	6	2.985	0.160
Nelumwewa	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	180	0	0.000	
Rideepokuna	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	153	0	0.000	
Sevanapitya	0.000	0.012	0.001	0.000	0.000	0.000	0.000	0.001	0.955	0.713	134	17	12.687	0.056
Total	0.014	0.130	0.087	0.023	0.046	0.008	0.015	0.070	7.380	0.397	1860	142	7.634	0.052
Percent of total	0.001	0.007	0.005	0.001	0.002	0.000	0.001	0.004	0.397					
Percent of OCs	0.191	1.766	1.179	0.317	0.617	0.108	0.203	0.953	100.000					

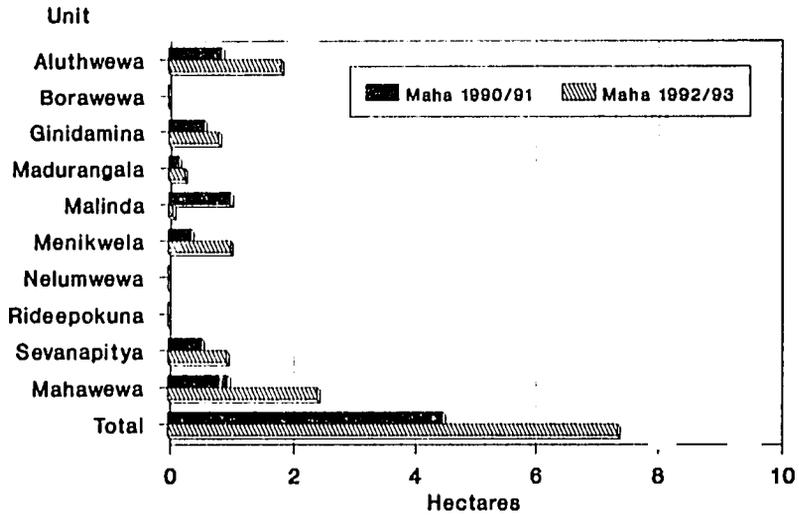
Crop Cultivation Census; Maha 1992/93; Income from paddy and OC cultivation
Sevanapitya Block (Irrigable lands)

Unit	Paddy	Chilli	G'gram	L'bean	R'onion	C'pea	Okra	Brinjal	B'nut	Pumkin	Tomato	Luffa	G'nut	Capsicum	Radish	Yam
Aluthwewa	4,048,109.73	28,105.72	1,889.14	1,645.75	2,249.29	1,897.91	239.59	1,331.22	1,229.33	2,482.40	1,741.42	217.50	10,477.92	254.31	512.79	0.00
Borawewa	3,038,104.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ginidamana	3,399,732.25	11,560.18	15.98	414.21	864.40	1,367.82	66.55	4,516.94	0.00	135.00	407.03	285.00	4,289.75	0.00	0.00	529.48
Madurangala	3,716,307.81	589.27	0.00	0.00	2,002.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,270.02	0.00	0.00
Mahawewa	3,354,971.42	85,748.09	143.44	2,815.27	371.78	1,078.82	541.29	0.00	0.00	0.00	1,015.48	1,290.00	0.00	0.00	339.77	0.00
Malinda	2,695,503.18	2,175.12	0.00	498.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manikwela	3,413,343.98	28,250.51	0.00	0.00	14,313.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nelumwewa	3,072,240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rideepokuna	2,811,404.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sevanapitya	2,270,808.65	38,383.36	0.00	99.68	334.61	598.71	0.00	0.00	0.00	108.00	717.55	0.00	0.00	0.00	0.00	0.00
Total	31,620,524.99	190,812.25	2,048.44	5,473.27	20,138.75	4,941.07	847.43	5,848.18	1,229.33	2,705.40	3,881.49	1,792.50	14,747.67	2,524.33	852.56	529.46

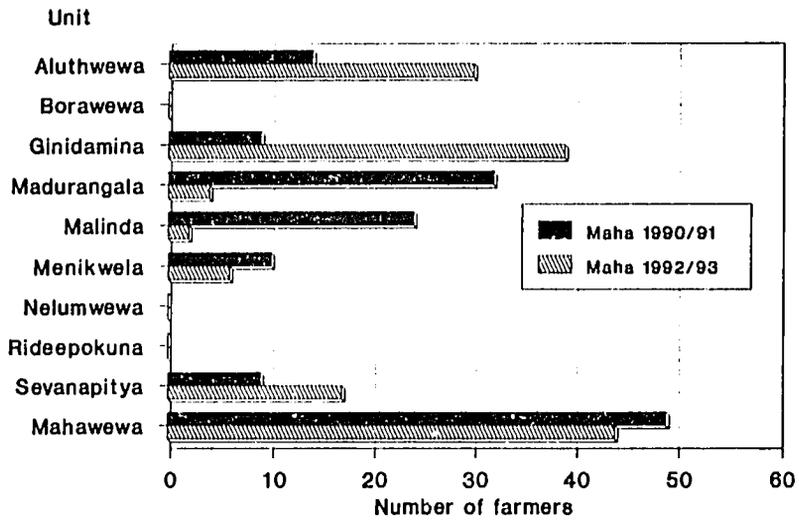
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Unit	B'gourd	Cabbage	Potato	S'gourd	Bean	Beet	Maize	Misc. crops	Total income	Income if only paddy	Increase in income	% increase in income	Increase in income per farmer	% increase per OC farmer
Aluthwewa	277.50	100.32	2,354.18	181.73	762.50	0.00	150.00	370.00	4,104,560.23	4,079,252.00	25,308.23	0.620	843.608	4.943
Borawewa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,038,104.00	3,038,104.00	0.00	0.000	0.000	0.000
Ginidamana	75.00	19.94	0.00	0.00	375.00	200.00	0.00	250.00	3,425,084.20	3,413,600.00	11,484.20	0.336	294.467	1.725
Madurangala	0.00	618.87	0.00	0.00	0.00	0.00	0.00	0.00	3,721,788.96	3,720,824.00	964.96	0.026	240.739	1.410
Mahawewa	0.00	0.00	1,177.08	20.77	0.00	0.00	0.00	1,105.00	3,450,616.21	3,398,532.00	54,084.21	1.592	1229.187	7.202
Malinda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,698,178.65	2,696,744.00	1,432.65	0.053	716.324	4.197
Manikwela	0.00	0.00	8,347.00	0.00	0.00	0.00	0.00	0.00	3,482,255.17	3,430,668.00	31,587.17	0.921	5284.529	30.844
Nelumwewa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,072,240.00	3,072,240.00	0.00	0.000	0.000	0.000
Rideepokuna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,811,404.00	2,811,404.00	0.00	0.000	0.000	0.000
Sevanapitya	0.00	74.77	161.56	0.00	0.00	0.00	0.00	32.50	2,309,319.38	2,287,112.00	22,207.38	0.971	1306.316	7.654
Total	352.50	811.90	10,039.80	202.50	1,137.50	200.00	150.00	1,757.50	31,893,546.79	31,746,480.00	147,066.79	0.463	1035.682	6.068

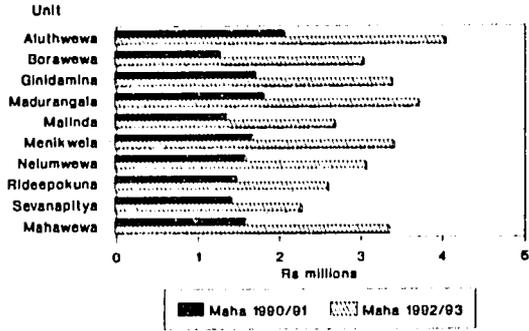
OC Production; Sevanapitya Block Maha 90/91 and Maha 92/93



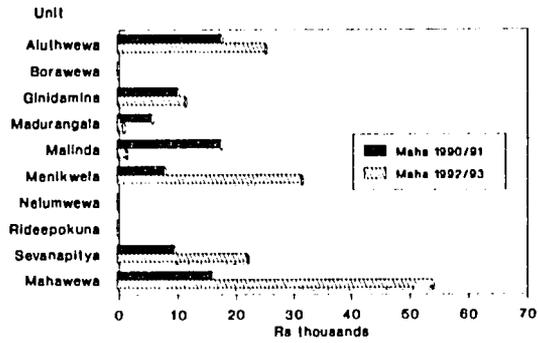
Number of OC farmers; Sevanapitya Block Maha 90/91 and Maha 92/93



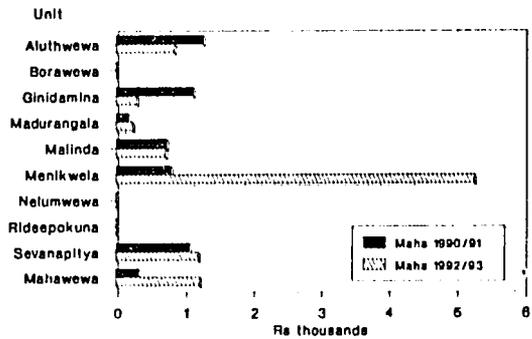
Income from Crop Production; Sevanapitya Maha 90/91 and Maha 92/93



Increase in Income from Diversification Sevanapitya; Maha 90/91 and Maha 92/93



Increase in Income from Diversification Sevanapitya; Per Farm Family



SUMMARY OF WIJAYABAPURA BLOCK

A large increase in crop diversification in irrigable lands occurred in Wijayabapura Block. This block, which contains six units, some of which were part of old pre-Mahaweli settlement schemes, increased cultivation of OCs in to 16.2 ha, from 2.7 ha in Maha 1990/91. The number of farmers who engaged in crop diversification in irrigable lands more than doubled during those two years.

The largest increase in OCs occurred in Medagama Unit, where 9.5 ha were cultivated in Maha 1992/93, an increase of 9 ha over Maha 1990/91. Devagama also had a significant increase, as did Pimburattewa. The average area devoted to OCs per farm family increased nearly three fold to 1,140 square meters from 435 square meters.

Net income from crop production increased substantially, to Rs 29 million from Rs 17.3 million, from Maha 1990/91 to Maha 1992/93. The increase in income from crop diversification more than quadrupled. In Maha 1992/93, the increase in income over production of paddy only was Rs 241.8 thousand, up from Rs 51 thousand in Maha 1990/91. The largest increase in income occurred in Medagama which benefitted from a large scale chilli extension program.

Farm families who diversified crop production increased their incomes by an average of Rs 1703 over production of paddy only. This was a 10 percent increase. The average increase in income per farm family during Maha 1990/91 was Rs 828.

Crop Cultivation Census; Maha 1992/93
Wijabapura Block (Irrigable lands)

Unit	Total area (ha)	Paddy	Chilli	G'gram	L'bean	R'onion	C'pea	Okra	Brinjal	G'nut	Luffa	Tomato
Aralaganwila	305.000	304.361	0.219	0.071	0.028	0.090	0.070	0.006	0.000	0.000	0.000	0.000
Dewagama	261.000	257.623	1.449	0.227	0.000	0.000	1.701	0.000	0.000	0.000	0.000	0.000
Galthalawa	332.000	332.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Madurathenna	242.000	240.982	0.372	0.000	0.014	0.008	0.000	0.002	0.007	0.000	0.000	0.007
Medagama	279.000	269.483	6.655	0.195	0.058	0.105	1.381	0.200	0.236	0.000	0.000	0.113
Pimburuttawa	281.000	279.354	0.527	0.200	0.109	0.012	0.249	0.000	0.189	0.032	0.054	0.065
Total	1700.000	1683.802	9.221	0.693	0.209	0.215	3.401	0.208	0.432	0.532	0.054	0.185
Percent of total		99.047	0.542	0.041	0.012	0.013	0.200	0.012	0.025	0.031	0.003	0.011
Percent of OCs			56.930	4.277	1.229	1.325	20.996	1.284	2.667	3.264	0.333	1.140

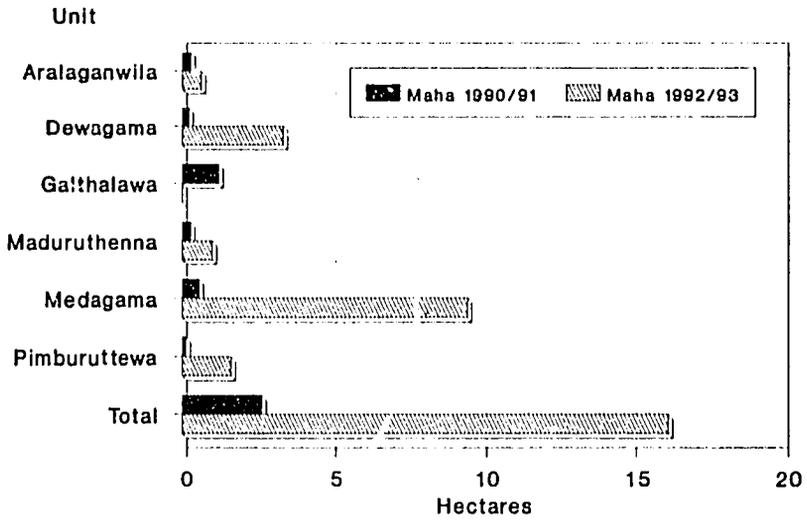
Unit	B'gourd	Cabbage	Potato	S'gourd	Bean	Beet	Maize	Misc. crops	Total OCs	% OCs	Total farmers	OC farmers	% Farmers	OC ha/ farmer
Aralaganwila	0.000	0.068	0.000	0.000	0.000	0.020	0.000	0.067	0.639	0.210	305	27	8.852	0.024
Dewagama	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.377	1.294	261	20	7.663	0.169
Galthalawa	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	332	0	0.000	
Madurathenna	0.000	0.004	0.003	0.000	0.000	0.000	0.000	0.602	1.019	0.421	242	14	5.785	0.073
Medagama	0.000	0.000	0.000	0.000	0.075	0.000	0.000	0.000	9.517	3.411	279	64	22.939	0.149
Pimburuttawa	0.000	0.210	0.000	0.000	0.000	0.000	0.000	0.000	1.648	0.586	281	17	6.050	0.097
Total	0.000	0.282	0.003	0.000	0.075	0.020	0.000	0.669	16.198	0.953	1700	142	8.353	0.114
Percent of total	0.000	0.017	0.000	0.000	0.004	0.001	0.000	0.039	0.953					
Percent of OCs	0.000	1.740	0.016	0.000	0.463	0.123	0.000	4.132	100.000					

Crop Cultivation Census; Maha 1992/93; Income from paddy and OC cultivation
Wijayabapura Block (Irrigable lands)

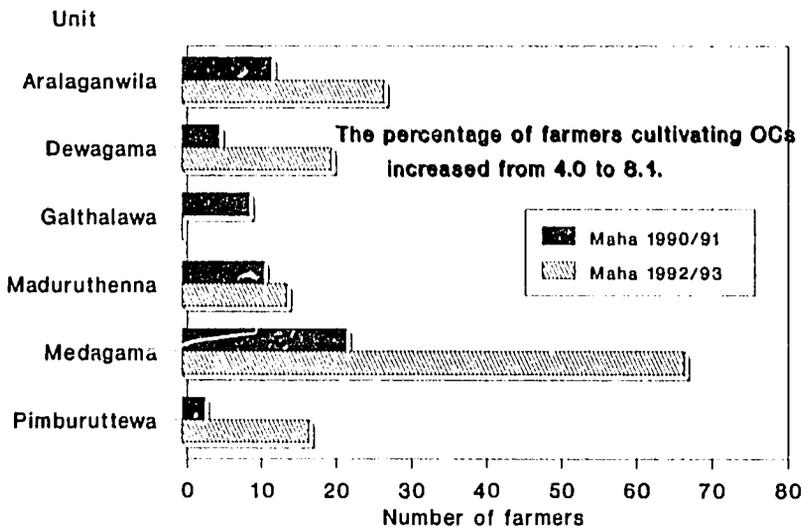
Unit	Paddy	Chili	G'gram	L'bean	R'onion	C'pea	Okra	Brinjal	G'nut	Luffa	Tomato
Aralaganwila	5,194,833.55	9,484.72	487.99	622.42	4,182.57	599.57	133.10	0.00	0.00	0.00	0.00
Dewagama	4,397,111.07	82,768.39	1,500.47	0.00	0.00	14,551.22	0.00	0.00	0.00	0.00	0.00
Galthalawa	5,666,578.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maduruthenna	4,113,072.24	16,101.08	0.00	305.67	378.43	0.00	42.15	201.28	0.00	0.00	297.93
Medagama	4,599,537.55	288,354.50	1,288.95	1,273.63	4,879.67	11,810.84	4,438.80	6,785.47	21,829.00	0.00	4,720.73
Pimburuttewa	1,788,008.95	22,843.05	1,322.00	2,423.21	534.44	2,129.28	0.00	5,434.13	1,397.08	1,350.00	2,727.53
Total	28,739,139.36	399,549.71	4,579.41	4,624.62	9,973.11	29,087.90	4,512.05	12,420.86	23,228.08	1,350.00	7,748.19

Unit	Cabbage	Potato	Bean	Beet	Misc. crops	Total income	Total income of only paddy	Increase in income	% increase in income	Increase in income per farmer	% increase per OC farmer
Aralaganwila	423.71	0.00	0.00	500.00	1,677.50	5,212,925.12	5,205,740.00	7,135.12	0.138	266.12	1.559
Dewagama	0.00	0.00	0.00	0.00	0.00	4,475,929.15	4,454,748.00	21,181.15	0.475	1059.08	6.265
Galthalawa	0.00	0.00	0.00	0.00	0.00	5,666,578.00	5,666,578.00			0.000	0.000
Maduruthenna	28.17	300.04	0.00	0.00	15,055.00	4,145,777.95	4,130,458.00	15,321.95	0.371	1094.43	6.412
Medagama	0.00	0.00	1,875.00	0.00	0.00	4,946,792.12	4,781,972.00	184,820.12	3.881	2887.81	18.919
Pimburuttewa	1,308.02	0.00	0.00	0.00	0.00	4,809,472.66	4,798,108.00	13,364.66	0.279	788.16	4.608
Total	1,755.90	300.04	1,875.00	500.00	16,732.50	29,257,473.00	29,015,600.00	241,873.00	0.834	1703.33	9.980

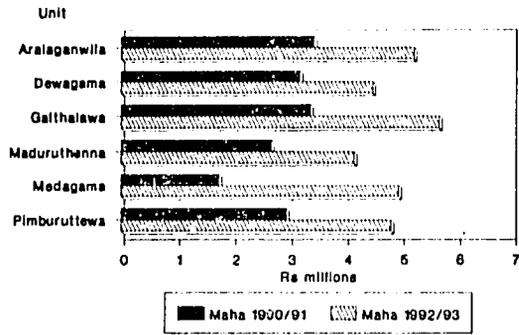
OC Production; Wijayabapura Block Maha 90/91 and Maha 92/93



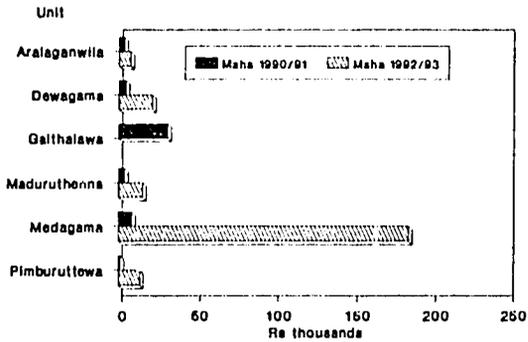
Number of OC farmers; Wijayabapura Block Maha 90/91 and Maha 92/93



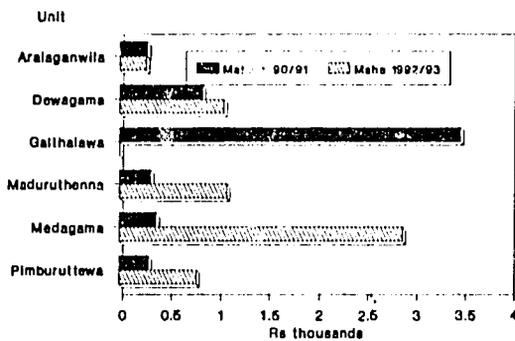
Income from Crop Production; Wijayabapura; Maha 90/91 and Maha 92/93



Increase in Income from Diversification Wijayabapura; Maha 90/91 and Maha 92/93



Increase in Income from Diversification Wijayabapura; Per Farm Family



PART III

REPORT ON THE MAHA 1992/93 CULTIVATION CENSUS: HOMESTEAD LANDS

INTRODUCTION

Homestead cultivation in System B is an important source of income and food for settlers during the Maha season. While MARD devoted resources to homestead development, working especially with women's groups, crop diversification in irrigable lands has been the yardstick for measuring project progress. In the past two years, however, it has become apparent that homesteads are indeed important to settlers during Maha as valuable sources of food, especially vegetables and fruits, and income, as surplus food production is often marketed. This realization led the agricultural economics component of MARD, which is in charge of monitoring project progress, to look into the extent of homestead production occurring in System B. This part of the Maha 1992/93 report gives the details on the first census of homestead cultivation in System B.

Conducting a cultivation census of homesteads is a major endeavor. Most fields are small, sometimes only a few square meters. In addition to actual homesteads, there is a considerable amount of upland non-irrigated cultivation on reserve areas and along irrigation channels. The placement of these fields is not systematic, as irrigable fields are, and data collectors are thus required to sometimes walk long distances through jungle areas in order to measure such fields.

A definition of "homestead lands" is needed before proceeding with the results of the census. The first and most obvious definition of homestead is the area surrounding a home. In Zones 1, 5 and 3, most homesteads are 0.2 ha (one-half) acre in size, including the house. In some settlements in Zone 5 and all of Zone 4a, homesteads are 1 acre. The area not taken up by the house can be used for cultivation of annuals or perennials. The cultivation of annuals such as chilli, greengram, brinjal or okra is most likely to occur in Maha season when rain is usually sufficient for cultivation. This definition of homestead pertains to both original settlers, who also have irrigated allotments, and second generation settlers who may not have other land for cultivation.

Rainfed homestead-like cultivation occurs in other areas of System B, and are included in our definition of "homestead". Most people familiar with the Mahaweli areas know that settlers often build small huts at the top of slopes or beside field canals. Farmers sleep in these huts in order to watch their fields at night, and the huts also provide shade during the day.

These farmers often cultivate small patches of annual crops such as chilli and vegetables, which are included in our census as homestead lands. Many farmers also cultivate annuals around threshing fields. This is also included in the census as homestead.

Settlers also commonly encroach on reserve land during Maha, growing rainfed crops. In Zones 1, 5 and 3, this cultivation is done by settlers. In Zone 3, Senapura and Sevanapitya Blocks, in addition to settler encroachment, refugees cultivate large areas of reserve land. While it was difficult to include all cultivation of encroached land in the census, because of its ambiguous legality, we are confident that our data collectors were able to measure and tabulate a high percentage of the total cultivation on reserve lands in System B.

There are several characteristics common to most "homestead" cultivation. First, people usually live in close proximity to cultivated areas, and crops are thus grown as a garden. Second, family labor is employed for homestead cultivation, and seldom, if ever, is outside labor hired. Third, most homestead cultivation depends on rain, or sometimes the family will draw water from wells. Finally, few purchased inputs are used for homestead cultivation. Sometimes inputs leftover from irrigated plots are applied to homestead crops. Because of a low level of inputs, costs of production are also very low. Production levels are often high, however, due to the careful tending of plants, and a low incidence of pests and diseases, especially compared with irrigated fields.

This part of the Maha 1992/93 report gives details on the extent of homestead cultivation and the value of that cultivation on a System, block, unit and family basis. Similar to Part II of this report, each block is treated separately with a one-page summary of the important features regarding homestead cultivation, followed by tables with all relevant details and charts to illustrate notable points.

SUMMARY OF SYSTEM B HOMESTEAD CULTIVATION

Cultivation of homestead areas in System B during Maha 1992/93 was extensive. Almost 500has of homestead were cultivated with annual crops.¹ This level of cultivation is almost identical to that reported by the Block and Unit Managers for Maha 1991/92.²

The largest area devoted to homestead cultivation was in Ellewewa Block, where almost 125 ha were cultivated. Damminna Block had almost 100 ha in homestead cultivation, and Dimbulagala, Senapura and Wijayabapura each had over 70 ha. Sevanapitya had the lowest total with about 40 ha.

In every block except Wijayabapura and Senapura, over 50 percent of the families engaged in homestead cultivation. Wijayabapura Block, because it contains some older settlement areas, has a large number of commercial families (as opposed to farm families) who are less likely to engage in crop cultivation.

Traditional crops dominated homestead cultivation. Maize, chilli and cowpea were the three most common homestead crops, accounting for over 60 percent of the cultivated area. Cultivated areas of yam, greengram, longbean and brinjal comprised almost 25 percent of the cultivated area, and all other crops accounted for small amounts of the remainder.

What is very surprising to the MARD staff is the extent of homestead production per family. The average cultivated area per family in System B was over 700 square meters (an area approximately 26 meters square). A field of this size has the potential to produce a fairly large marketable surplus of vegetables and fruits, and be an important factor in generating income for farm families.

This paper also reports on the estimated value of homestead production in System B. Value of homestead production refers to the amount of money a farm family would receive if it sold all the produce from the homestead less the costs of production (family labor is not included as a cost). Simply stated, the value of homestead production is: (price * quantity) - cost of production. To estimate this value, over forty homesteads in

¹ The census of homestead cultivation only took place in Damminna, Dimbulagala, Ellewewa, Sevanapitya, Senapura and Wijayabapura. Singhapura and Aselapura were not include because of security reasons.

² Tree crops were not included in the cultivation census. This oversight is being corrected during the Yala 1993 census.

System B were surveyed on costs of production and yields of various crops.

The survey of crop production on homesteads showed that for most crops, and especially for chilli and capsicum, yields were far higher in homesteads than in irrigable areas during Maha. For example, chilli had an average yield of approximately 1.4 tons/ha (the national average), but in irrigable allotments, the average chilli yield is only about 700 kg/ha. Costs were also low, due to low incidence of diseases and pests. The net value of production was therefore much higher than equivalent crops in irrigable lands. The following table gives the net value of homestead production of major crops.

Average net value of homestead crops; Mahaweli System B; Maha 1992/93

Crop	Net value per ha (Rs/ha)
Chilli	103,008
Capsicum	108,211
Cowpea	33,436
Greengram	32,799
Maize	22,633
Brinjal	15,316
Long bean	42,277
Pumpkin	21,000
Red onion	135,477

Using these estimates, the value of homestead production was estimated for all System B. Total value is estimated at Rs 23.5 million, with almost one-half, over Rs 11 million, accounted for by chilli production.³ Damminna Block, with its concentration of homestead chilli had the highest value of production, Rs 5.15 million, and followed by Ellewewa at a value of Rs 5.11 million.

The value of homestead production increased the value of total crop production in System B by 13 percent (total income from crop production in the irrigable fields is valued at over Rs 180 million, see Part II of this report).

The average value of production for individual families was high, Rs 3,400. This figure is approximately 20 percent of the

³ Chillis are consumed or marketed as both green and dried. The value of chilli production in this paper is on a dried red basis.

value of one ha of paddy production in System B. Families in Damminna and Wijayabapura Blocks benefitted the most from homestead production, which had a value of more than Rs 5,000 per family. The value of production was lowest in Sevanapitya, approximately Rs 2,000 per family.

The Maha 1992/93 investigation into homestead cultivation did not attempt to estimate the percentage of homestead production that is marketed for increased income. This will be a priority question for the Maha 1993/94 investigation.

Crop Cultivation Census; Maha 1992/93
System B (Homestead)

Block	Chili	B'onion	R'onion	C'pea	L'bean	Okra	Brinjal	B'nut	Pumpkin	Tomato	G'nut	Luffa	S'gourd	B'gourd	Bean	Carrot	Capsicum
Damminna	31.009	0.072	1.225	12.133	2.150	2.196	1.103	0.219	0.138	0.574	0.147	0.138	0.035	0.053	0.079	0.002	0.174
Dimbilagala	16.662	0.012	1.879	12.469	3.743	0.467	3.065	0.105	0.725	1.958	3.174	0.900	0.603	0.644	0.311	0.029	0.079
Elleewewa	18.956	0.170	1.054	17.778	5.868	1.276	5.366	0.027	3.155	3.153	0.394	2.839	0.987	2.371	0.314	0.192	0.046
Senapura	13.995	0.060	0.685	6.240	1.434	0.509	1.842	0.024	0.168	1.136	4.119	0.204	0.218	0.146	0.036	0.010	0.015
Sevanapitiya	6.759	0.007	0.304	14.121	1.567	0.092	0.623	0.046	0.576	0.519	1.182	0.216	0.081	0.130	0.104	0.001	0.065
Wijayabapura	22.007	0.000	1.154	24.085	2.050	0.223	1.354	0.086	0.264	0.876	1.176	0.130	0.147	0.143	0.225	0.007	0.234
Total	109.367	0.321	6.301	86.824	16.822	4.763	13.352	0.506	5.024	8.220	10.192	4.427	2.070	3.487	1.068	0.241	0.613

Block	Soya	W'bean	Radish	G'leaves	Yam	Gherkin	Maize	G'gram	Cabbage	Knowkhol	Banana	Bee: and other vegetables	Total cultivated area	Total # of homesteads	# of cultivated homesteads	% of cultivated homesteads	Average * cultivated area
Damminna	0.003	0.067	0.953	0.001	10.176	0.317	25.900	4.967	0.569	0.005	1.079	0.000	95.512	1861	1023	54.970%	933.64
Dimbilagala	0.063	0.501	0.265	0.046	9.473	0.006	10.235	6.390	0.252	0.029	5.511	0.028	79.627	2270	1453	64.009%	548.01
Elleewewa	0.128	0.879	0.314	0.039	11.598	0.262	35.775	5.227	0.055	0.020	4.523	0.010	123.792	2824	1859	67.245%	651.88
Senapura	0.000	0.060	0.053	0.037	19.501	0.000	25.747	1.743	0.088	0.003	0.034	0.006	76.113	2113	646	40.133%	921.15
Sevanapitiya	0.056	0.055	0.067	0.042	7.153	0.010	3.240	2.625	0.158	0.033	0.005	0.001	36.837	1744	909	52.122%	438.25
Wijayabapura	0.000	0.140	0.051	0.000	0.362	0.449	9.235	4.171	0.356	0.017	0.260	4.790	74.004	2313	793	34.284%	933.21
Total	0.250	1.701	1.716	0.165	58.264	1.064	111.132	25.142	1.478	0.107	11.411	4.835	490.884	13.125	6.925	52.762%	706.66

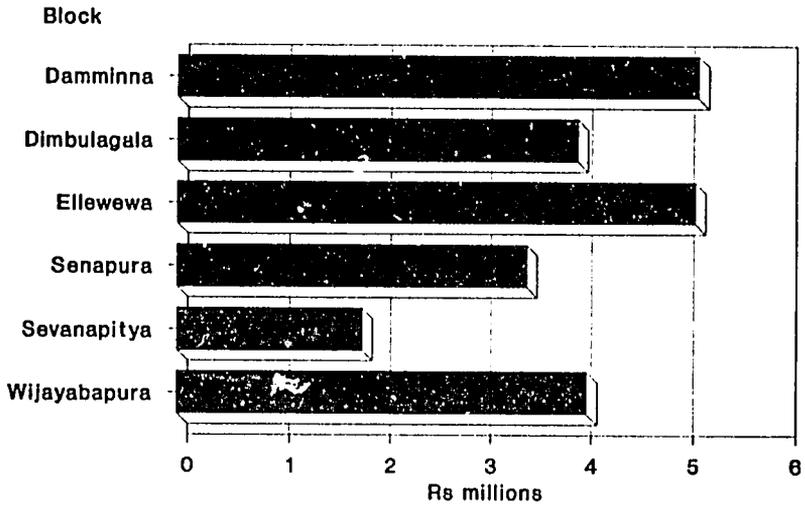
* Within cultivated homestead

Crop Cultivation Census; Maha 1992/93; Value of crop production
System B (Homestead)

Block	Chili	B'onion	R'onion	C'pea	L'bean	Okra	Brinjal	B'nut	Pumpkin	Tomato	G'nut	Luffa	S'gourd	B'gourd	Bean	Carrot	Capsicum
Damminna	3,194,175	1,083	165,959	495,679	90,912	92,720	16,894	8,115	2,856	18,850	12,002	3,307	828	3,264	1,158	69	18,861
Dimbiligala	1,716,340	176	254,494	416,913	158,260	19,722	46,942	3,889	15,250	64,264	259,316	21,598	14,479	39,796	4,658	864	8,549
Eliwewa	1,952,568	2,556	142,820	594,358	248,069	53,854	82,178	1,006	66,245	103,520	32,157	68,134	23,676	146,582	4,707	5,760	4,924
Senapura	1,441,545	900	92,802	206,631	60,621	21,495	28,207	880	3,524	37,365	336,539	4,903	5,225	9,019	540	288	1,602
Sevanapitiya	656,252	104	41,158	472,150	66,248	3,880	9,536	1,716	12,088	17,034	96,569	5,174	1,942	8,042	1,565	30	7,164
Wijayabapura	2,266,897	0	156,340	805,306	87,091	9,420	20,744	3,194	5,538	28,813	96,079	3,120	3,533	8,833	3,369	219	25,267
Total	11,267,777	4,818	853,573	2,903,037	711,201	201,091	204,501	18,600	105,500	269,846	832,662	106,236	49,682	215,537	16,026	7,230	66,366

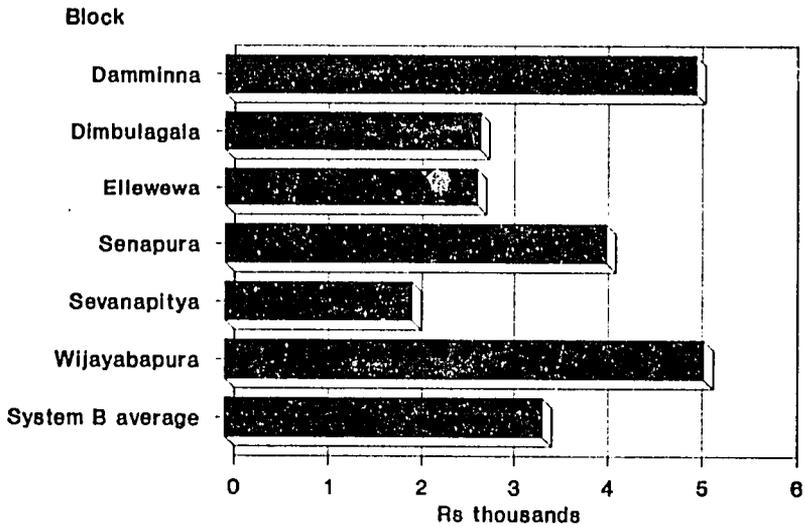
Block	Soya	W'bean	Radish	G'leaves	Yam	Gherkin	Maize	G'gram	Cabbage	Knowkhol	Banana	Beet	Total income	# of cultivated homesteads	Average income per homestead
Damminna	60	8,545	10,837	10	269,554	21,402	586,195	163,569	3,985	100	26,953	0	5,147,981	1,023	5,032
Dimbiligala	1,256	64,340	3,013	922	269,553	418	231,846	209,582	1,766	572	137,778	705	3,967,060	1,453	2,730
Eliwewa	2,568	112,977	3,528	788	330,004	19,034	832,329	171,434	384	408	113,075	250	5,119,892	1,899	2,696
Senapura	0	7,671	594	746	554,881	0	582,732	57,169	619	62	843	150	3,459,552	848	4,080
Sevanapitiya	1,114	7,003	756	840	203,537	675	73,331	88,084	1,103	652	125	25	1,815,895	909	1,998
Wijayabapura	0	17,990	576	0	10,300	30,255	209,016	136,605	2,493	348	6,500	119,750	4,057,806	793	5,117
Total	4,998	218,527	19,304	3,306	1,657,830	71,794	2,515,248	824,642	10,349	2,142	285,283	120,880	23,588,185	6,925	3,403

Maha 92/93; System B Homestead Cultivation; Total Value

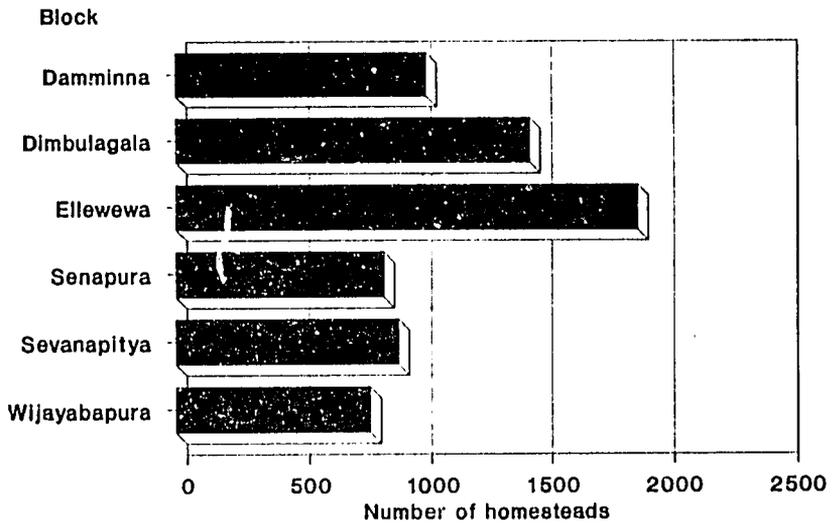


Total System B value of homestead cultivation was Rs 23.5 million

Maha 92/93; System B Homestead Cultivation; Value per Family

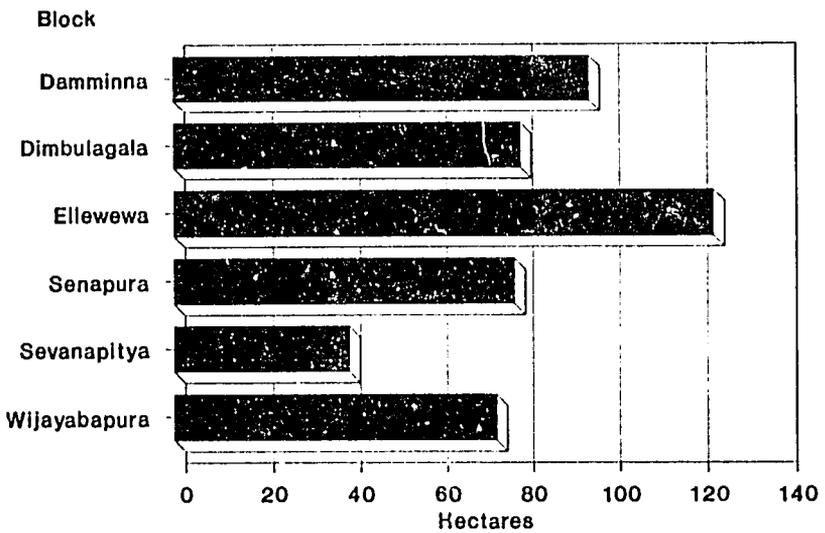


Maha 92/93; System B Homestead Cultivation; Number of Homesteads



(A total of 6,925 homesteads)

Maha 92/93; System B Homestead Cultivation; Cultivated Area



SUMMARY OF DAMMINNA BLOCK HOMESTEAD CULTIVATION

Damminna Block had a very successful homestead cultivation program during Maha 1992/93. Extensive chilli production in Ihalawewa and Kandegama Units was highly valuable in terms of consumption and marketable surplus. Overall 95 ha of homestead lands were cultivated in Damminna Block, with the highest concentration in Kandegama (51 hectares). Chilli accounted for over 13 hectares of the total.

Fifty-five percent of Damminna Block's farm families cultivated homestead areas. In Kandegama, 100 percent of the farmers reported homestead cultivation. The percentage of farmers cultivating in Aluthoya, Damminna, and Nidanwela Units was also high. Divuldamana and Arunapura, two units with flat lands and poor drainage, had relatively lower percentages of farmers cultivating homestead lands. It appears from this information, that drainage problems may affect homestead production as well as production of OCS in irrigable lands.

The average area of homestead cultivation was 933 square meters. In Kandegama Unit, where a number of farmers cultivated reserve lands, the average cultivated area was almost 0.20 hectares, or 0.5 acre. Ihalawewa also had a large average area devoted to homestead cultivation. Aluthoya had the lowest average cultivated homestead area, 136 square meters.

The value of homestead production was very high, over Rs 5000 per family. Homestead production in Kandegama and Ihalawewa Units, which had a high proportion of chilli, was valued at Rs 10,000 per family. The value of cultivation in Damminna, Divuldamana and Nidanwela Units was over Rs 3,000 per family. The total value of production was Rs 5.12 million, or about 25 percent of the value of total crop production in the irrigable fields.

Crop Cultivation Census; Maha 1992/93 Damminna Block (Homestead)

Unit	Chilli	B'onion	R'onion	C'pea	L'bean	Okra	Brinjal	B'nut	Pumpkin	Tomato	G'nut	Luffa	S'gourd	B'gourd	Bean	Carrot	Capsicum
Aluthoya	1.753	0.000	0.084	1.075	0.000	0.000	0.003	0.000	0.000	0.011	0.005	0.000	0.000	0.000	0.000	0.000	0.000
Arunapura	0.221	0.000	0.051	0.097	0.020	0.000	0.010	0.000	0.000	0.005	0.003	0.000	0.000	0.000	0.020	0.000	0.000
Damminna	1.590	0.013	0.037	1.305	0.355	0.000	0.117	0.037	0.024	0.231	0.045	0.002	0.000	0.000	0.013	0.000	0.000
Druidamana	1.274	0.045	0.170	1.238	0.110	0.002	0.027	0.066	0.000	0.119	0.054	0.000	0.011	0.000	0.004	0.000	0.000
Ihalawewa	9.10	0.014	0.848	2.210	0.079	0.022	0.506	0.089	0.000	0.074	0.031	0.054	0.022	0.046	0.012	0.002	0.000
Kandegama*	13.824	0.000	0.032	5.726	1.584	0.049	0.354	0.026	0.112	0.112	0.000	0.071	0.000	0.006	0.029	0.000	0.174
Nidanwela	3.247	0.000	0.003	0.482	0.003	2.123	0.086	0.000	0.000	0.023	0.009	0.011	0.002	0.001	0.002	0.000	0.000
Total	31.009	0.072	1.225	12.133	2.150	2.196	1.103	0.219	0.136	0.574	0.147	0.138	0.035	0.053	0.079	0.002	0.174

Unit	Soya	W'bean	Radish	G'leaves	Yam	Gherkin	Maze	G'gram	Cabbage	Knwkhoh	Banana	Total cultivated area	Total # of homesteads	# of cultivated homesteads	% of cultivated homesteads	Average cultivated area
Aluthoya	0.000	0.004	0.000	0.000	0.000	0.000	0.474	0.103	0.000	0.000	0.000	3.511	308	258	83.77%	136.10
Arunapura	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.067	0.000	0.000	0.000	0.510	137	23	16.79%	221.61
Damminna	0.000	0.000	0.000	0.000	4.758	0.000	2.557	0.524	0.013	0.000	0.000	11.620	197	142	72.08%	818.28
Druidamana	0.000	0.020	0.008	0.000	0.083	0.000	0.000	0.395	0.034	0.005	1.079	4.744	402	76	18.91%	624.26
Ihalawewa	0.000	0.000	0.911	0.000	0.000	0.317	0.172	2.012	0.521	0.300	0.000	17.042	343	129	37.61%	1321.05
Kandegama*	0.003	0.025	0.038	0.001	5.336	0.000	22.697	1.030	0.002	0.000	0.000	51.228	264	264	100.00%	1940.47
Nidanwela	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.856	0.000	0.000	0.000	6.857	210	131	62.38%	523.40
Total	0.003	0.067	0.963	0.001	10.176	0.317	25.900	4.987	0.569	0.005	1.079	95.512	1861	1023	54.97%	933.64

* 41 farmers have cultivated as encroachers

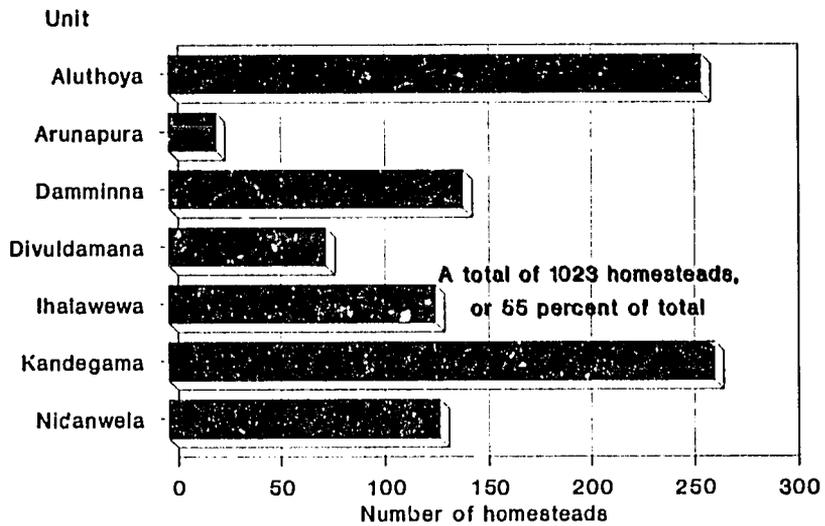
Crop Cultivation Census; Maha 1992/93; Value of crop production
Damminna Block (Homestead)

Unit	Chilli	B'onion	R'onion	C'pea	L'bean	Okra	Brinjal	B'nut	Pumpkin	Tomato	G'nut	Luffa	S'gourd	B'gourd	Carrot	Capsicum
Aluthoya	180,552	0	11,312	35,937	0	0	51	0	0	355	417	0	0	0	0	0
Arunapura	22,765	0	6,855	3,257	846	0	153	0	0	151	204	0	0	0	0	0
Damminna	163,793	192	5,067	43,627	15,008	0	1,784	1,374	468	7,577	3,677	48	0	0	0	0
Divuldamana	131,212	675	23,085	41,404	4,655	101	420	2,462	0	3,903	4,420	0	259	0	0	0
Ihalawewa	937,476	216	114,871	73,684	3,331	912	7,745	3,298	0	2,419	2,533	1,298	523	2,862	69	0
Kandegama*	1,423,952	0	4,335	191,455	66,946	2,082	5,425	980	2,358	3,683	0	1,699	0	365	0	18,861
Nidanwela	334,467	0	461	16,103	127	89,625	1,320	0	0	762	752	262	46	37	0	0
Total	3,194,216	1,083	165,986	405,666	90,912	92,720	16,898	8,115	2,856	18,850	12,002	3,307	828	3,264	69	18,861

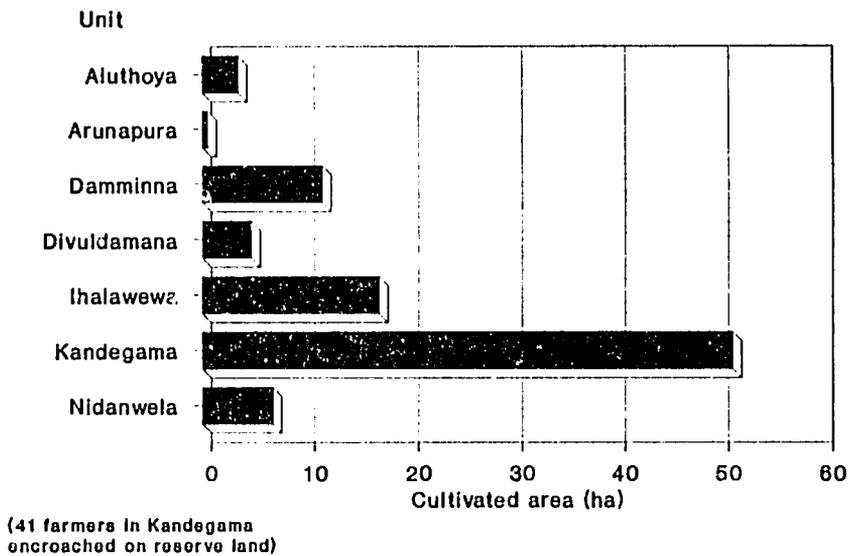
Unit	Soya	W'bean	Rudish	G'leaves	Yam	Gherkin	Maize	G'gram	Cabbage	Knowkhol	Banana	Bean	Total Income	# of cultivated H'steads	Average income per H'stead
Aluthoya	0	540	0	0	0	0	10,717	3,091	0	0	0	0	243,271	258	942.91
Arunapura	0	2,249	0	0	0	0	0	2,181	0	0	0	294	38,660	23	1680.89
Damminna	0	0	0	0	135,381	0	57,879	17,193	88	0	0	189	453,186	142	3191.45
Divuldamana	0	2,570	84	0	2,356	0	0	12,959	239	100	26,963	57	257,667	76	3392.99
Ihalawewa	0	0	10,249	0	0	21,430	3,888	65,988	3,644	0	0	177	1,255,569	129	9740.84
Kandegama*	60	3,187	407	17	151,816	0	513,703	33,770	14	0	0	435	2,406,247	264	9114.57
Nidanwela	0	0	97	0	0	0	0	28,073	0	0	0	36	472,129	131	3604.04
Total	60	8,545	10,837	10	289,554	21,430	586,188	163,555	3,985	100	26,963	1,189	5,127,931	1023	5012.64

* 41 farmers have cultivated as encroachers

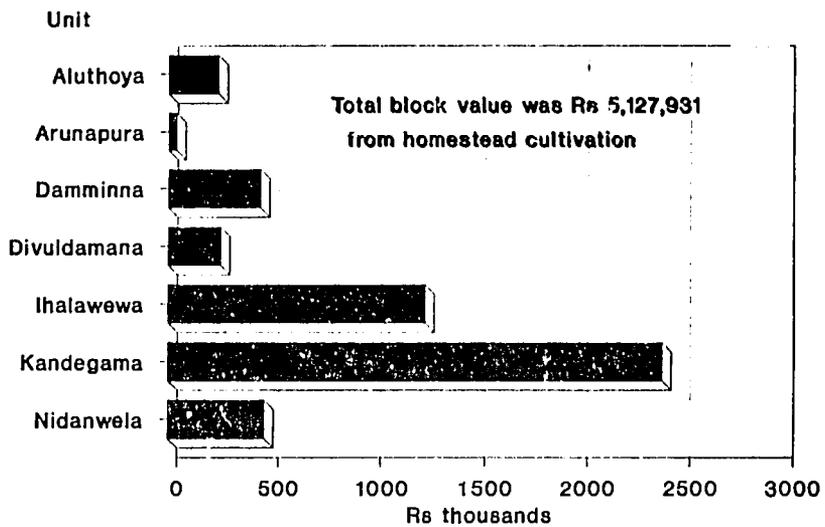
Maha 92/93; Damminna Block Homestead Cultivation; Number of Homesteads



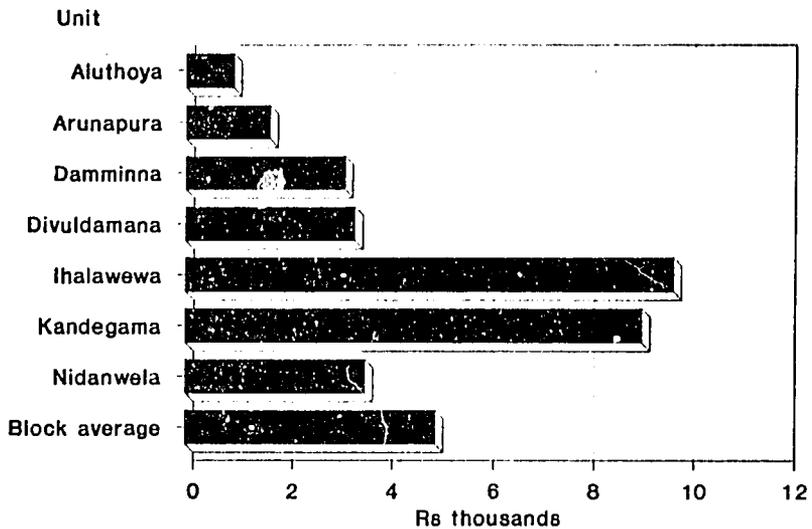
Maha 92/93; Damminna Block Homestead Cultivation; Cultivated Area



Maha 92/93; Damminna Block Homestead Cultivation; Total Value



Maha 92/93; Damminna Block Homestead Cultivation; Value per Family



SUMMARY OF DIMBULAGALA BLOCK HOMESTEAD CULTIVATION

The MEA reported only 12 hectares of homestead cultivation in Dimbulagala Block during Maha 1991/92. In Maha 1992/93, however, our census takers reported almost 80 ha. The most common homestead crop was chilli with about 17 ha, followed by cowpea with 12 ha, maize with 10 and yams with 9.5 ha. Chilli was produced on homesteads in all units, and the greatest concentration was in Dimbulagala, Weheragama and Bogaswewa Units.

Over 64 percent, or almost 1,500, of the families in Dimbulagala Block cultivated homestead lands with annual crops. Homestead lands were cultivated by almost 100 percent of families in Millana, and very high percentages in Bogaswewa, Dimbulagala, Mahaulpotha, and Weheragama. The percentage of families cultivating homesteads in Dalukana and Kudawewa Units was much lower.

The average area per family was smaller than in Damminna Unit, only 550 square meters. This is nevertheless a commercially significant area, and could produce a sizable marketable surplus. The largest area per family was in Dimbulagala Unit, where families on average cultivated 0.116 ha to homestead crops. On average, over 800 square meters were cultivated in Weheragama, and the other units had significantly smaller average areas.

The total value of homestead production in Dimbulagala Block was about Rs 4 million, or about 11 percent of the Dimbulagala's total income from irrigable fields. Chilli accounted for about Rs 1.7 million of the Rs 4 million and was by far the most valuable crop. Cowpea production was valued at more than Rs 400,000. The value of homestead production in both Dimbulagala and Weheragama was greater than Rs 1 million.

Average value of homestead cultivation was Rs 2,730 per family, less than the averages of Damminna Block and the overall System B average. Nevertheless, the value of crop production on homesteads exceeded 15 percent of the value of one hectare of paddy cultivated in the block's irrigable lands. Dimbulagala and Weheragama Units had the highest average value of homestead production, Rs 5,100 and Rs 4,355 per family respectively. Chilli production accounted for this higher than average value.

Crop Cultivation Census; Maha 1992/93
Dimbulagala Block (Homestead)

Unit	Chili (ha)	B'onion	R'onion	C'pea	L'bean	Okra	Brinjal	B'nut	Pumpkin	Tomato	G'nut	Luffa	S'gourd	B'gourd	Bean	Carrot	Capsicum
Bimpokuna	0.765	0.005	0.023	0.397	0.035	0.002	0.054	0.015	0.006	0.028	0.271	0.005	0.034	0.019	0.001	0.003	0.000
Bogaswewa	2.572	0.000	0.177	3.213	0.121	0.013	0.194	0.000	0.196	0.191	0.182	0.030	0.030	0.104	0.144	0.013	0.006
Dalukana	0.342	0.000	0.036	0.143	0.000	0.012	0.018	0.000	0.001	0.068	0.113	0.028	0.004	0.000	0.000	0.000	0.000
Dimbulagala	4.669	0.000	0.153	0.422	2.172	0.365	1.232	0.054	0.197	0.322	0.360	0.515	0.369	0.168	0.000	0.000	0.017
Kudawewa	0.233	0.000	0.015	0.183	0.009	0.000	0.015	0.008	0.000	0.030	0.041	0.048	0.048	0.000	0.032	0.000	0.000
Mahauppotha	0.902	0.000	0.034	1.942	0.250	0.018	0.151	0.006	0.057	0.367	0.012	0.171	0.055	0.109	0.036	0.000	0.000
Manampitiya	0.368	0.000	0.025	0.264	0.009	0.019	0.000	0.015	0.000	0.042	0.046	0.016	0.023	0.003	0.013	0.000	0.000
Millana	1.460	0.001	0.083	1.292	0.241	0.031	0.264	0.007	0.219	0.197	0.214	0.070	0.028	0.066	0.044	0.012	0.006
Thispanagama	1.391	0.006	0.132	1.795	0.014	0.000	0.131	0.000	0.050	0.030	1.708	0.017	0.000	0.005	0.012	0.001	0.000
Weheragama	3.961	0.000	1.202	2.819	0.893	0.008	1.007	0.000	0.000	0.684	0.227	0.000	0.015	0.170	0.030	0.000	0.050
Total	16.66	0.01	1.88	12.47	3.74	0.47	3.06	0.10	0.73	1.96	3.17	0.90	0.60	0.64	0.31	0.03	0.08

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Unit	Soya	W'bean	Radish	G'leaves	Yam	Gherkin	Maize	G'gram	Cabbage	Knowkhol	Banana	Beet	Total cultivated area	Total # of homestead	# of cultivated homesteads	% of cultivated homesteads	Average cultivated area
Bimpokuna	0.000	0.000	0.901	0.000	0.061	0.000	0.170	0.133	0.006	0.000	0.000	0.000	2.037	260	150	57.692%	135.80
Bogaswewa	0.025	0.000	0.093	0.006	1.075	0.000	1.542	0.737	0.002	0.000	0.000	0.000	10.576	233	199	85.408%	531.44
Dalukana	0.000	0.000	0.000	0.004	0.339	0.000	0.033	0.044	0.000	0.000	0.064	0.000	1.247	196	34	17.347%	366.79
Dimbulagala	0.017	0.464	0.013	0.000	6.86	0.000	7.484	1.416	0.150	0.000	0.000	0.000	26.744	264	230	87.121%	1,162.78
Kudawewa	0.000	0.000	0.022	0.004	0.375	0.000	0.033	0.000	0.000	0.000	0.239	0.000	1.332	230	39	16.957%	341.59
Mahauppotha	0.000	0.022	0.056	0.000	0.035	0.000	0.000	0.048	0.000	0.000	0.000	0.012	4.253	188	158	84.043%	269.17
Manampitiya	0.000	0.000	0.000	0.006	0.301	0.000	0.014	0.090	0.000	0.000	0.061	0.000	1.313	197	43	21.827%	305.26
Millana	0.017	0.015	0.045	0.012	0.484	0.006	0.484	1.003	0.026	0.016	0.000	0.002	6.352	214	208	97.196%	305.40
Thispanagama	0.004	0.000	0.004	0.000	0.028	0.000	0.205	0.751	0.048	0.012	0.000	0.007	6.349	231	162	70.130%	391.91
Weheragama	0.000	0.000	0.124	0.014	0.619	0.000	0.270	2.164	0.020	0.000	5.148	0.000	19.424	257	230	89.494%	844.53
Total	0.06	0.50	0.27	0.05	9.47	0.01	10.23	6.39	0.25	0.03	5.51	0.03	79.627	2270	1453	64.009%	548.01

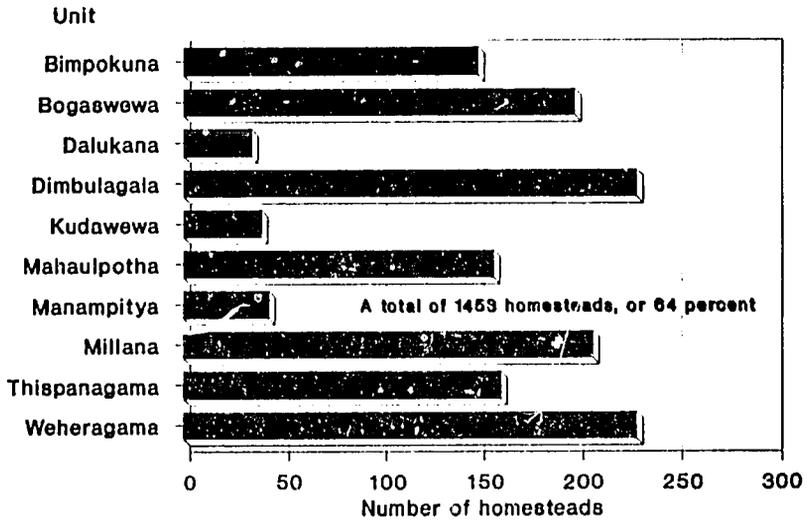
Crop Cultivation Census; Maha 1992/93; Value of crop production
Dimbulagala Block (Homestead)

Unit	Chilli	B'onion	R'onion	C'pea	L'bean	Okra	Brinjal	B'nut	Pumpkin	Tomato	G'nut	Lufa	S'gourd	B'gourd	Bean	Carrot	Capsicum
Bimpokuna	78,780	75	3,075	13,264	1,475	63	819	557	128	909	22,157	120	816	1,187	15	90	0
Bogaswewa	264,937	0	23,925	107,430	5,124	528	2,973	0	4,108	6,257	14,878	730	720	6,441	2,156	375	682
Dalukana	35,208	0	4,877	4,765	0	490	270	0	25	2,232	9,265	677	96	0	0	0	0
Dimbulagala	480,955	0	20,660	14,100	91,804	15,428	18,871	2,006	4,139	10,571	29,371	12,350	8,854	10,366	0	0	1,840
Kudawewa	23,970	0	2,032	6,119	378	0	231	297	0	995	3,350	1,132	1,106	0	477	0	0
Mahaulpotha	92,954	0	4,606	64,946	10,578	764	2,314	208	1,193	12,038	980	4,114	1,310	6,732	539	0	0
Manampitiya	37,866	0	3,319	8,810	372	802	0	557	0	1,382	3,758	379	554	185	190	0	0
Millana	150,433	15	11,204	43,193	10,189	1,309	4,039	264	4,503	6,457	17,476	1,673	662	4,067	654	369	617
Thispanegama	143,243	86	17,937	60,018	579	0	2,005	0	1,056	968	139,576	403	0	309	176	30	0
Weheragama	408,015	0	162,857	94,269	37,732	338	15,420	0	0	22,454	18,505	0	360	10,509	450	0	5,411
Total	1,716,340	176	254,494	416,913	158,260	19,722	46,942	3,889	15,250	34,264	259,316	21,598	14,479	39,796	4,658	864	8,549

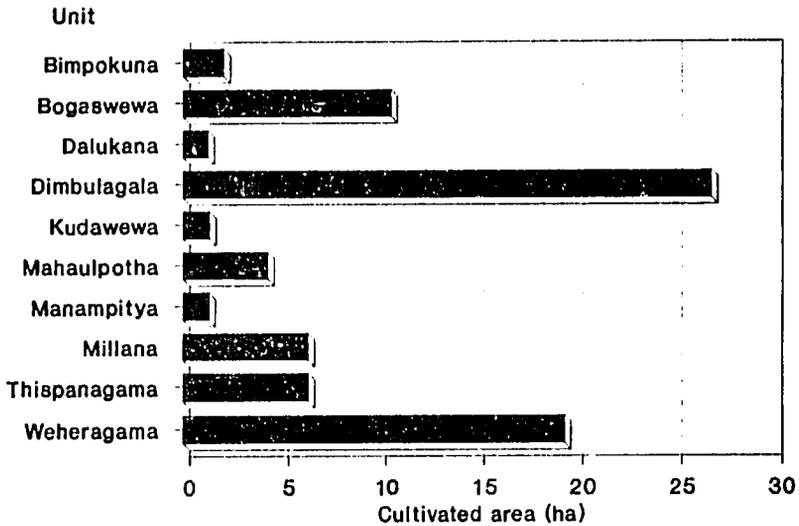
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Unit	Soya	W'bean	Radish	G'leaves	Yam	Gherkin	Maize	G'gram	Cabbage	Knowkhol	Banana	Beet	Total income	# of cultivated H'steads	Average income per homestead
Bimpokuna	0	0	11	0	1,739	0	3,848	4,523	42	0	0	0	133,672	150	891
Bogaswewa	500	0	38	126	30,594	0	34,893	24,166	17	0	0	0	531,596	199	2,671
Dalukana	0	0	0	72	9,643	0	736	1,443	0	0	1,595	0	71,393	34	2,100
Dimbulagala	340	59,585	146	0	178,019	0	169,392	46,427	1,051	0	0	0	1,174,305	230	5,106
Kudawewa	0	0	242	88	10,659	0	747	0	0	0	5,970	0	57,811	39	1,482
Mahaulpotha	0	2,801	630	0	142	0	0	1,574	0	0	0	300	208,724	158	1,321
Manampitiya	0	0	0	120	8,565	0	317	2,949	0	0	1,513	0	71,641	43	1,666
Millana	348	1,953	510	236	13,777	411	10,959	32,904	184	326	0	230	319,067	208	1,534
Thispanegama	70	0	41	0	602	0	4,644	24,619	333	246	0	175	397,316	162	2,453
Weheragama	0	0	1,395	280	17,613	0	6,111	70,977	140	0	128,700	0	1,001,536	230	4,355
Total	1,256	64,340	3,013	922	269,553	418	231,646	209,582	1,766	572	137,778	705	3,967,060	1,453	2,730

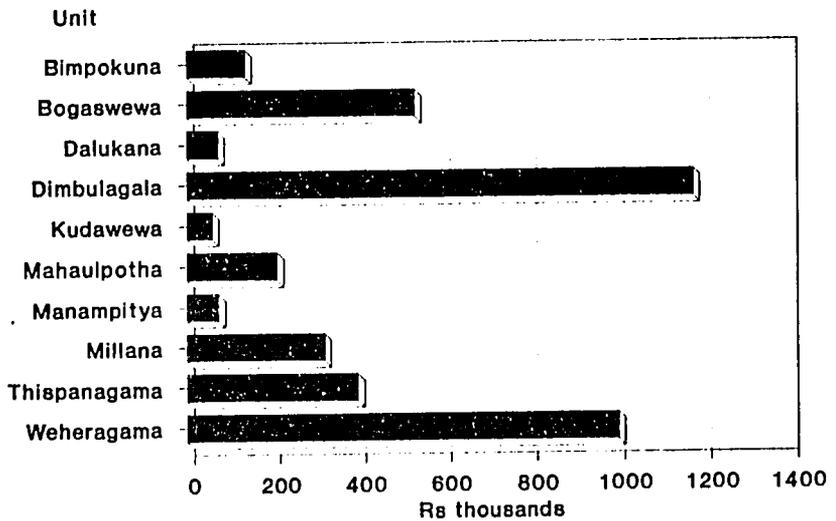
Maha 92/93; Dimbulagala Block Homestead Cultivation; Number of Homesteads



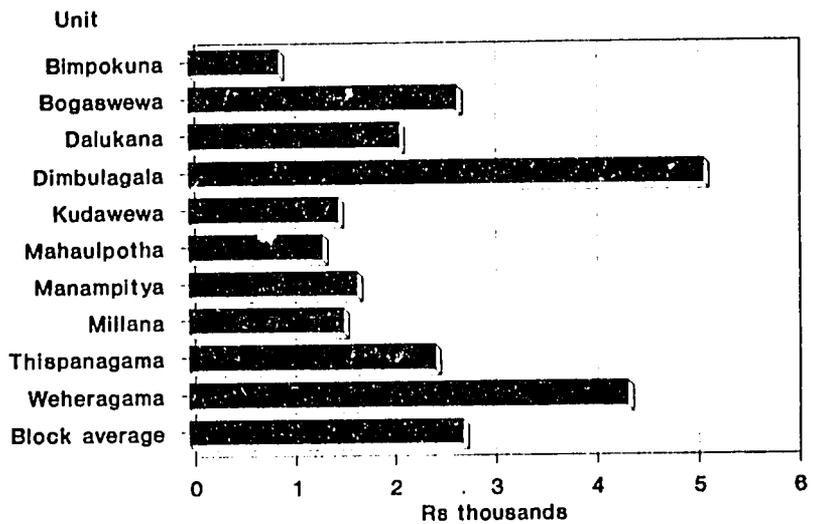
Maha 92/93; Dimbulagala Block Homestead Cultivation; Cultivated Area



Maha 92/93; Dimbulagala Block Homestead Cultivation; Total Value



Maha 92/93; Dimbulagala Block Homestead Cultivation; Value per Family



SUMMARY OF ELLEWEWA BLOCK HOMESTEAD CULTIVATION

Ellewewa Block had the largest area cultivated to homesteads of all blocks in System B. More than 125 ha of homestead lands were cultivated to annual crops. The most common crop was maize with almost 38 ha followed by chilli, 19 ha, and cowpea, 18 ha. Yam, longbean, greengram and brinjal were also important crops. Malgudamana and Palatiyawa Units each had over 20 ha of cultivated homestead area.

A high percentage, over 65 percent, of the families in Ellewewa Block cultivated homestead lands. Over 90 percent of the families in Pahala Ellewewa cultivated homesteads and over 80 percent cultivated homesteads in Bandanagala and Maguldamana Units. The lowest percentage was in Ihala Ellewewa with slightly less than 20 percent.

The average cultivated area per family was 665 square meters, slightly greater than that of Dimbulagala Block. Ihala Ellewewa had the highest average area cultivated, 0.124 ha, and Mahadamana had the lowest average, only 362 square meters.

The total value of homestead production was Rs 5.1 million, or about 14 percent of the total value of crop production in irrigable lands. Two-thirds of this was accounted for by three crops, chilli, with Rs 1.9 million, maize, with over Rs 800 thousand, and cowpea, with about Rs 600,000. Palatiyawa Unit had the highest value of homestead production, almost Rs 1 million. Malgudamana also reported a high total value of production.

The average value per family was Rs 2,700, which is almost equal to that of Dimbulagala Block, but lower than that of Dammina Block. This is equal to about 16 percent of the average value of one hectare of paddy production. Ihala Ellewewa had the highest per family homestead production value, over Rs 6,000. Palatiyawa families' production on homestead lands were greater than Rs 4,000 per family.

Crop Cultivation Census; Maha 1992/93
Ellewewa Block (Homestead)

Unit	Chili	B'onion	R'onion	C'pea	L'bean	Okra	Brinjal	B'nut	Pumpkin	Tomato	G'nut	Luffa	S'gourd	B'gourd	Bean	Carrot	Capsicum
Bandanagala	2.480	0.000	0.020	3.048	0.550	0.259	0.497	0.021	0.575	0.255	0.044	0.292	0.008	0.037	0.066	0.000	0.008
Ellewewa	2.081	0.000	0.000	0.449	1.793	0.000	1.484	0.000	0.609	0.132	0.049	0.408	0.046	0.848	0.000	0.000	0.000
Ihala Ellewewa	1.863	0.168	0.569	5.445	0.182	0.000	0.043	0.000	0.000	0.120	0.051	0.036	0.021	0.012	0.106	0.000	0.000
Kalukele	2.177	0.002	0.022	1.826	0.275	0.043	1.183	0.006	0.858	0.433	0.049	0.040	0.062	0.157	0.066	0.000	0.000
Malguldamana	1.780	0.000	0.011	1.776	0.312	0.125	0.154	0.000	0.305	0.012	0.046	0.041	0.320	0.018	0.000	0.192	0.000
Mahadamana	1.074	0.000	0.188	2.892	0.585	0.102	0.138	0.000	0.093	0.153	0.000	0.211	0.049	0.084	0.010	0.000	0.015
Pahala Ellewewa	3.466	0.000	0.003	1.103	0.977	0.605	1.620	0.000	0.257	2.049	0.026	1.544	0.473	1.361	0.053	0.000	0.023
Palatyawa	4.034	0.000	0.242	1.438	1.195	0.143	0.249	0.000	0.659	0.000	0.129	0.208	0.008	0.055	0.014	0.000	0.000
Total	18.96	0.17	1.05	17.78	5.87	1.28	5.37	0.03	3.15	3.15	0.39	2.84	0.99	2.37	0.31	0.19	0.05

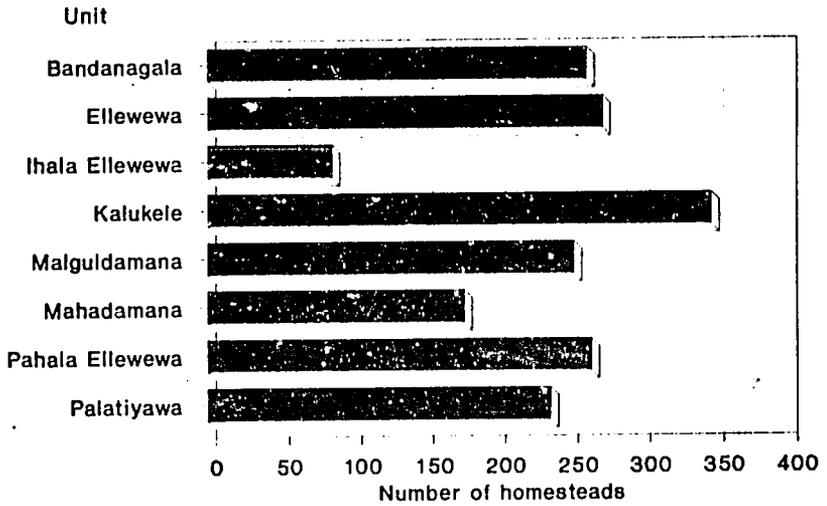
Unit	Soya	W'bean	Radish	G'leaves	Yam	Gherkin	Maize	G'gram	Cabbage	Knowkhol	Banana	Beet	Total cultivated area	Total # of homesteads	# of cultivated homesteads	% of cultivated homesteads	Average cultivated area
Bandanagala	0.049	0.024	0.030	0.006	1.023	0.000	0.856	1.744	0.009	0.000	3.900	0.000	15.80	309	262	84.79%	603.09
Ellewewa	0.000	0.000	0.000	0.000	4.350	0.000	6.141	0.000	0.000	0.009	0.623	0.000	18.88	407	273	67.08%	691.66
Ihala Ellewewa	0.000	0.000	0.000	0.000	0.812	0.000	0.312	0.798	0.000	0.000	0.000	0.000	10.54	431	85	19.72%	1239.65
Kalukele	0.031	0.030	0.016	0.015	1.311	0.282	6.594	0.207	0.000	0.000	0.000	0.000	15.48	456	347	74.46%	446.24
Malguldamana	0.000	0.053	0.038	0.000	1.531	0.000	14.915	1.083	0.046	0.011	0.000	0.000	22.77	312	253	81.09%	899.63
Mahadamana	0.000	0.000	0.000	0.000	0.175	0.000	0.055	0.781	0.000	0.000	0.000	0.010	6.41	248	177	71.37%	362.32
Pahala Ellewewa	0.040	0.000	0.230	0.018	0.115	0.000	0.093	1.287	0.000	0.000	0.000	0.000	15.34	284	265	93.31%	578.93
Palatyawa	0.008	0.773	0.000	0.000	2.281	0.000	8.409	1.071	0.000	0.000	0.000	0.000	20.91	347	237	64.58%	882.35
Total	0.13	0.86	0.31	0.04	11.60	0.28	37.38	6.97	0.05	0.02	4.52	0.01	126.14	2824.00	1899.00	67.25%	664.22

Crop Cultivation Census; Maha 1992/93; Value of crop production
Ellewewa Block (Homestead)

Unit	Chill	B'onion	R'onion	C'pea	L'bean	Okra	Brinjal	B'nut	Pumpkin	Tomato	G'nut	Luffa	S'gourd	B'gourd	Bean	Carrot	Capsicum
Bandanagala	255,470	0	2,669	101,916	23,248	10,919	7,609	75	12,065	8,371	3,603	7,006	197	2,262	989	0	822
Ellewewa	214,360	0	0	15,019	75,811	0	29,723	0	12,781	4,327	4,020	11,227	1,109	40,081	0	0	0
Ihala Ellewewa	191,925	2,520	77,032	182,069	7,594	0	651	0	0	3,923	4,167	864	504	742	1,563	0	0
Kalukele	224,207	36	2,980	61,054	11,605	1,824	18,117	212	13,810	14,224	4,028	970	1,488	9,693	984	0	0
Malgudamana	183,385	0	1,490	59,396	13,174	5,257	2,351	0	6,395	394	3,717	972	7,668	1,082	0	5,760	0
Mahadamana	110,872	0	25,470	90,016	24,711	4,286	2,107	0	1,657	5,006	0	5,052	1,176	5,174	150	0	1,623
Pahala Ellewewa	357,046	0	339	38,873	41,305	25,553	24,806	0	5,399	67,274	2,083	37,051	11,345	84,149	792	0	2,478
Palatiyawa	415,503	0	32,840	48,014	50,521	6,017	3,814	0	13,639	0	10,539	4,992	192	3,400	210	0	0
Total	1,952,568	2,556	142,822	594,358	248,069	53,854	82,178	1,005	66,245	103,520	32,157	68,134	23,676	146,582	4,707	5,769	4,924

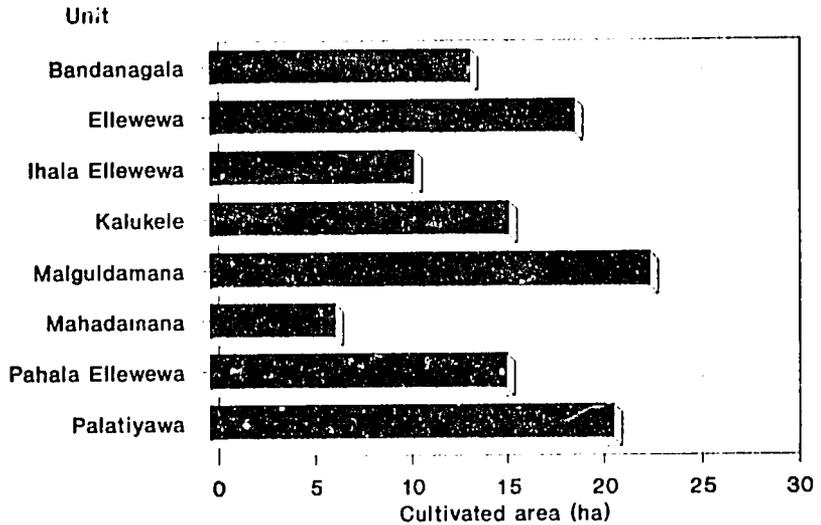
Unit	Soya	W'bean	Radish	G'leaves	Yam	Gherkin	Maize	G'gram	Cabbage	Knowkhol	Banana	Beet	Total value	# of cultivated homesteads	Average value per homestead
Bandanagala	988	3,123	339	128	29,120	0	5,799	0	62	0	97,495	0	574,992	262	2,194.6
Ellewewa	0	0	0	0	123,781	0	138,994	0	0	188	15,580	0	679,979	273	2,490.8
Ihala Ellewewa	0	0	0	0	23,110	0	7,066	26,174	0	0	0	0	530,023	35	6,235.6
Kalukele	620	3,629	180	300	37,306	19,034	149,249	6,786	0	0	0	0	582,534	347	1,678.8
Malgudamana	0	6,746	422	0	43,560	0	337,573	35,528	322	220	0	0	715,411	253	2,827.7
Mahadamana	0	0	0	0	4,979	0	1,245	25,616	0	0	0	250	309,491	177	1,748.5
Pahala Ellewewa	800	0	2,588	360	3,278	0	2,094	42,219	0	0	0	0	747,831	265	2,822.0
Palatiyawa	160	99,279	0	0	64,889	0	190,310	35,111	0	0	0	0	979,630	237	4,133.5
Total	2,568	112,977	3,528	788	330,004	19,034	832,329	171,434	384	408	113,075	250	5,119,892	1,899	2,696.1

Maha 92/93; Ellewewa Block Homestead Cultivation; Number of Homesteads

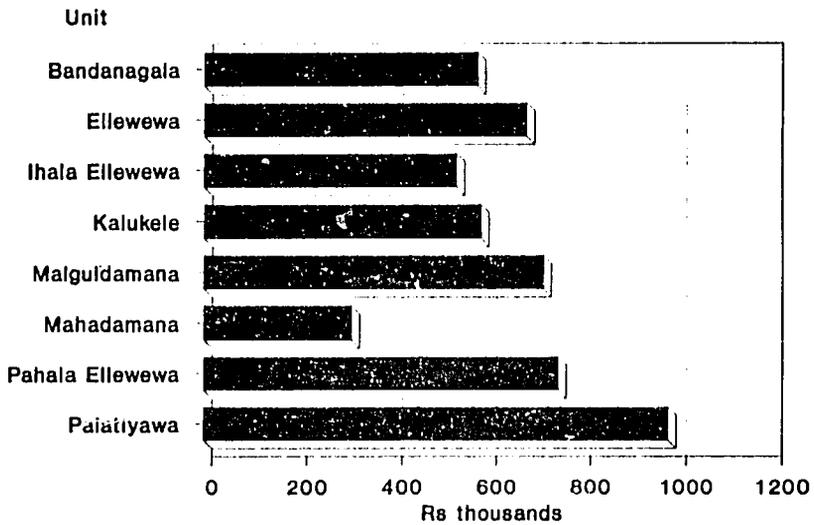


A total of 1899 homesteads or 67.25 percent

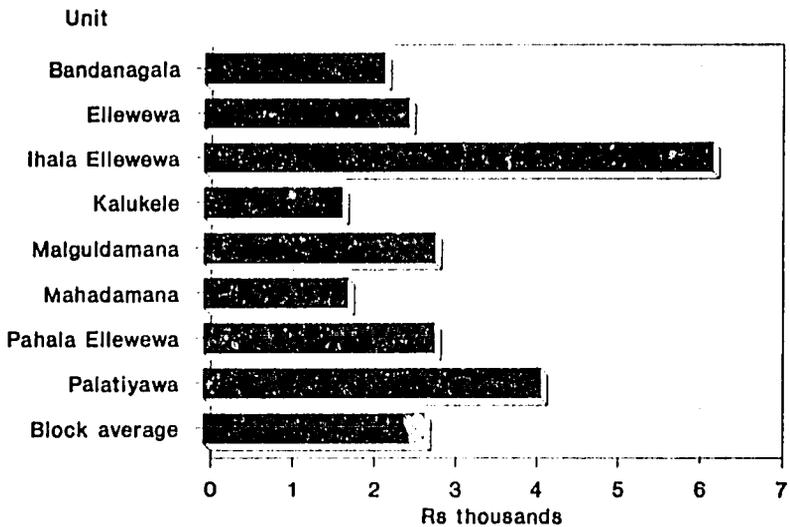
Maha 92/93; Ellewewa Block Homestead Cultivation; Cultivated Area



Maha 92/93; Ellewewa Block Homestead Cultivation; Total Value



Maha 92/93; Ellewewa Block Homestead Cultivation; Value per Family



SUMMARY OF SENAPURA BLOCK HOMESTEAD CULTIVATION

Almost 850 families in Senapura Block cultivated approximately 80 ha of homestead area during Maha 1992/93. Similar to other blocks, maize, chilli and yam accounted for a large portion of total cultivation. The largest cultivation of homestead areas occurred in Katuwanwila with 25 ha and Magulpokuna, 22 ha.

Only 40 percent of families in Senapura Block cultivated homestead areas, a lower proportion than in blocks discussed thus far. Magulpokuna and Susirigama had the highest percentages of families reporting cultivation, 67 and 64 percent respectively, while the lowest percentages were reported in Boaththa, Monaratenna, and Sandunpitya.

These low percentages imply that the average cultivated area was higher than in other blocks. Average area cultivated by Senapura families was almost 0.25 acre, or 1000 square meters. Katuwanwila and Magulpokuna had the highest average cultivated homestead areas, while Boaththa and Ruhunuketha had the lowest.

The large average homestead area resulted in greater than average value of production. The average value of production from homestead areas exceeded Rs 4,000 per family, greater than the System B average. This is almost 25 percent of the value of one hectare of paddy in System B. The average per family value of production in three units, Katuwanwila, Magulpokuna and Monaratenna exceeded Rs 5,000.

Total value of homestead production in Senapura Block was almost 3.5 million. This is approximately 11 percent of the total value of production on irrigable lands. Chilli, yam and maize accounted for more than 75 percent of this total value. Katuwanwila achieved about Rs 1 million in homestead production and Malgupokuna produced about Rs 900 thousand in homestead crops.

Crop Cultivation Census; Maha 1992/93
Senapura Block (Homestead)

Unit	Chili	B'onion	R'onion	C'pea	L'bean	Okra	Brinjal	B'nut	Pumpkin	Tomato	G'nut	Luffa	S'gourd	B'gourd	Bean	Carrot	Capsicum
Boatha	0.349	0.000	0.083	0.228	0.046	0.000	0.000	0.000	0.000	0.024	0.093	0.019	0.048	0.000	0.000	0.000	0.000
Katuwanwia	1.711	0.000	0.100	0.170	0.120	0.000	0.738	0.000	0.000	0.330	2.865	0.000	0.000	0.000	0.000	0.000	0.000
Matwila	3.266	0.000	0.035	0.973	0.040	0.025	0.152	0.000	0.038	0.133	0.063	0.000	0.012	0.002	0.000	0.000	0.000
Magulpokuna	3.097	0.060	0.002	0.780	0.347	0.015	0.220	0.000	0.035	0.103	0.990	0.032	0.006	0.024	0.000	0.000	0.005
Monaratenna	1.592	0.000	0.035	0.169	0.012	0.007	0.036	0.000	0.000	0.020	0.003	0.003	0.007	0.004	0.004	0.001	0.000
Ruhunuketha	1.249	0.000	0.043	0.683	0.039	0.119	0.133	0.021	0.000	0.157	0.021	0.028	0.000	0.015	0.008	0.000	0.009
Sandunpitya	0.906	0.000	0.025	0.255	0.022	0.078	0.079	0.002	0.015	0.033	0.026	0.000	0.022	0.006	0.003	0.004	0.001
Senapura	0.504	0.000	0.198	0.208	0.206	0.167	0.139	0.000	0.005	0.093	0.035	0.048	0.013	0.000	0.000	0.005	0.000
Susirigama	1.321	0.000	0.163	2.775	0.601	0.099	0.345	0.000	0.075	0.246	0.023	0.075	0.111	0.095	0.021	0.000	0.000
Total	13.995	0.060	0.685	6.240	1.434	0.509	1.842	0.024	0.168	1.138	4.119	0.204	0.218	0.146	0.036	0.010	0.015

Unit	W'bean	G'leaves	Radish	Yam	Maize	G'gram	Cabbage	Knowkhol	Banana	Beet	Total cultivated area	Total # of homesteads	# of cultivated homesteads	% of cultivated homesteads	Average cultivated area
Boatha	0.000	0.000	0.000	0.217	0.726	0.069	0.000	0.000	0.000	0.000	1.90	199	40	20.10%	475.18
Katuwanwia	0.000	0.000	0.000	5.935	12.772	0.000	0.050	0.000	0.000	0.000	24.79	362	155	42.82%	1599.46
Matwila	0.000	0.000	0.003	0.001	0.316	0.175	0.007	0.000	0.000	0.000	5.24	232	128	55.17%	409.41
Magulpokuna	0.000	0.002	0.000	6.720	9.098	0.516	0.021	0.000	0.000	0.000	22.07	226	151	66.81%	1461.76
Monaratenna	0.004	0.005	0.008	0.308	0.007	0.030	0.005	0.001	0.000	0.003	2.26	202	37	18.32%	612.08
Ruhunuketha	0.031	0.005	0.023	0.192	0.620	0.035	0.000	0.000	0.032	0.002	3.46	186	79	42.47%	438.39
Sandunpitya	0.000	0.005	0.002	0.358	0.383	0.029	0.006	0.002	0.002	0.001	2.26	176	32	18.18%	707.50
Senapura	0.000	0.000	0.010	1.975	1.637	0.175	0.000	0.000	0.000	0.000	5.41	278	65	23.38%	833.00
Susirigama	0.025	0.020	0.007	3.794	0.188	0.715	0.000	0.000	0.000	0.000	10.70	252	161	63.89%	664.67
Total	0.060	0.037	0.053	19.501	25.747	1.743	0.088	0.003	0.034	0.006	78.113	2113	848	40.13%	921.15

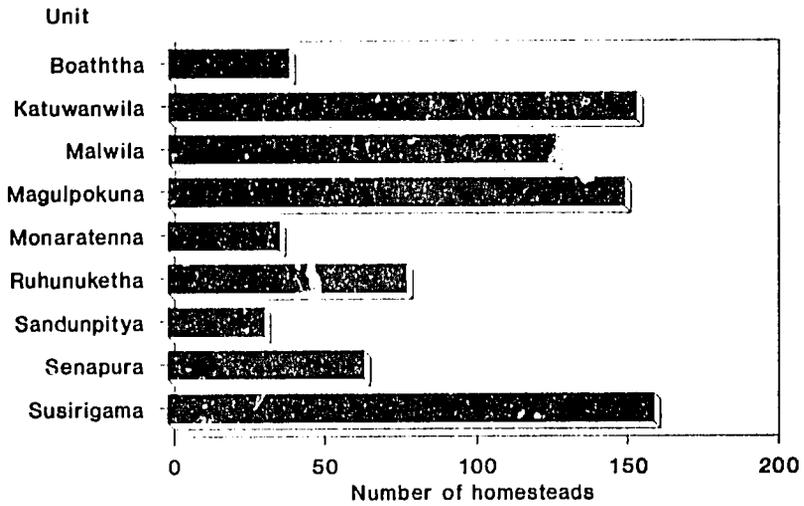
Crop Cultivation Census; Maha 1992/93; Value of crop production
Senapura Block (Homestead)

Unit	Chilli	B'onion	R'onion	C'pea	L'bean	Okra	Brinjal	B'nut	Pumpkin	Tomato	G'nut	Luffa	S'gourd	B'gourd	Bean
Boatha	35,991	0	11,177	7,627	1,941	0	0	0	0	781	7,631	468	1,097	0	0
Katurwanwila	176,278	0	13,548	5,684	5,073	0	11,296	0	0	10,833	234,071	0	0	0	0
Mahwila	336,373	0	4,796	32,517	1,704	1,051	2,331	0	792	4,356	5,131	0	288	99	0
Magulpokuna	319,005	900	203	26,082	14,657	633	3,370	0	735	3,385	80,883	768	144	1,484	0
Monaratenna	163,978	0	4,931	5,647	524	274	558	0	0	670	229	80	178	253	53
Ruhunuketha	128,605	0	5,812	22,630	1,601	5,016	2,035	791	0	5,154	1,699	650	0	940	125
Sandunpitiya	93,315	0	3,441	8,519	934	3,310	1,208	89	317	1,070	2,157	0	530	346	45
Senapura	51,895	0	26,757	6,938	8,709	7,030	2,121	0	105	3,037	2,860	1,140	317	0	0
Susirigama	136,104	0	22,137	92,785	25,417	4,160	5,269	0	1,575	8,079	1,879	1,810	2,671	5,897	318
Total	1,441,545	900	92,802	208,631	90,621	21,495	28,207	880	3,524	37,365	336,539	4,903	5,225	9,019	540

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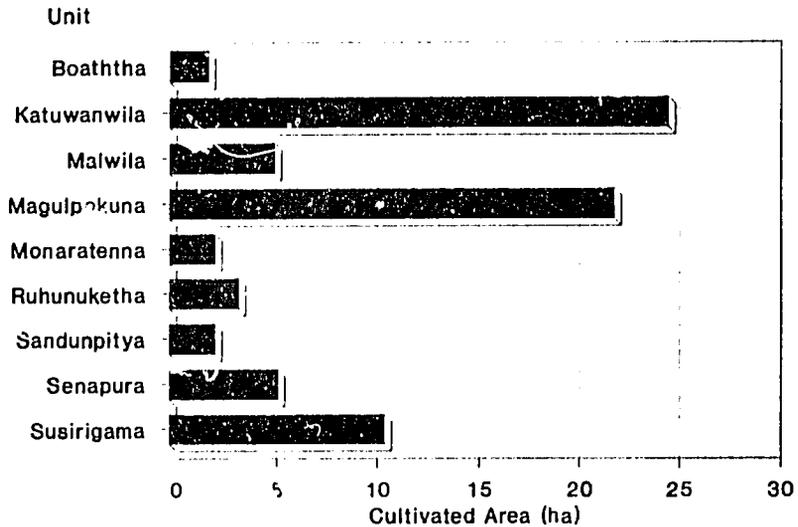
Unit	W'bean	G'leaves	Radish	Yam	Maize	G'gram	Cabbage	Knowkhol	Banana	Beet	Carrot	Capsicum	Total value	# of cultivated homestead	Average value per homesteads
Boatha	0	0	0	6,188	14,429	2,270	0	0	0	0	0	0	91,594	40	2,289.9
Katurwanwila	0	0	0	168,686	289,078	0	350	0	0	0	0	0	915,003	155	5,903.8
Mahwila	0	0	36	40	7,161	5,730	50	0	0	0	0	0	402,454	128	3,144.2
Magulpokuna	0	40	0	191,219	205,915	16,924	147	0	0	0	0	541	856,496	151	5,738.4
Monaratenna	540	104	88	8,767	163	974	32	20	0	70	30	0	188,112	37	5,084.1
Ruhunuketha	3,919	106	255	5,472	14,035	1,141	0	0	793	50	0	931	201,100	79	2,545.6
Sandunpitiya	0	96	24	10,172	8,659	935	40	42	50	30	108	130	135,331	32	4,229.1
Senapura	0	0	113	56,197	37,039	5,740	0	0	0	0	150	0	209,996	65	3,230.7
Susirigama	3,213	400	79	107,643	4,253	23,455	0	0	0	0	0	0	447,483	161	2,779.4
Total	7,671	746	594	554,881	582,732	57,169	619	62	843	150	268	1,602	3,457,663	848	4,077.4

Maha 92/93; Senapura Block Homestead Cultivation; Number of Homesteads

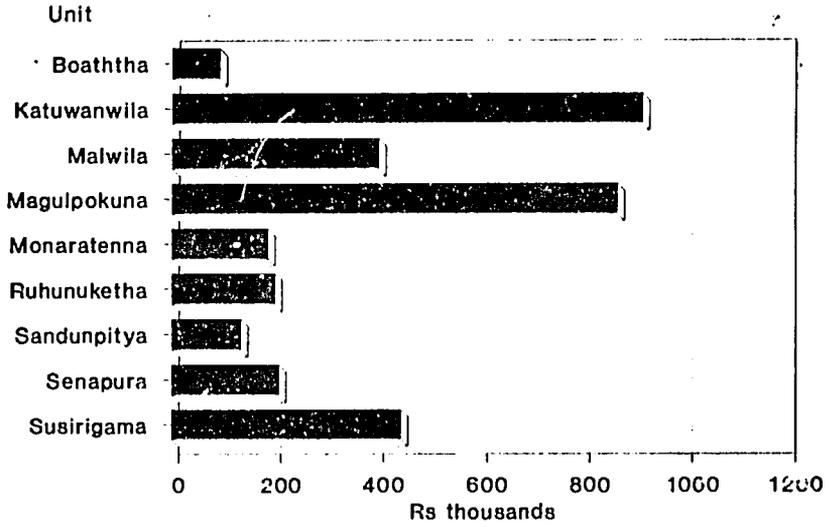


A total of 848 homesteads or 40 percent

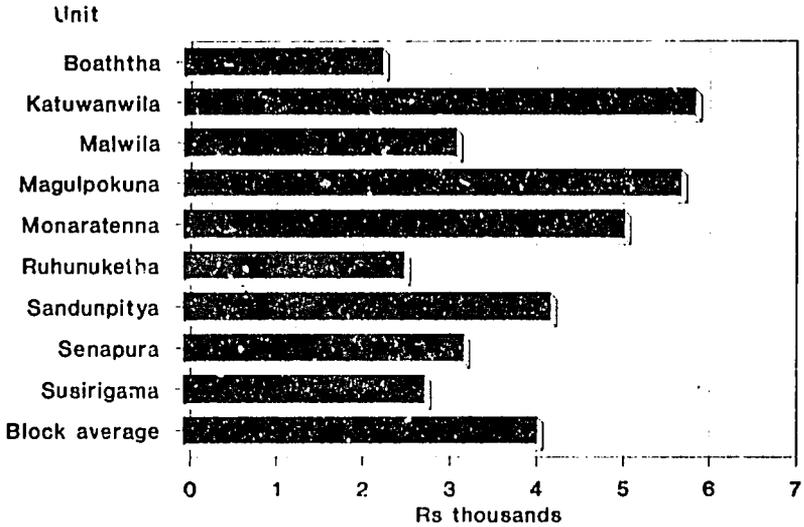
Maha 92/93; Senapura Block Homestead Cultivation; Cultivated Area



Maha 92/93; Senapura Block Homestead Cultivation; Total Value



Maha 92/93; Senapura Block Homestead Cultivation; Value per Family



SUMMARY OF SEVANAPITYA BLOCK HOMESTEAD CULTIVATION

Sevanapitya Block had the lowest area of homestead cultivation of all block in the census. Only 40 ha of homestead lands were cultivated. The maximum homestead area cultivated was 7.5 ha, and two units had no cultivation at all.

Nevertheless, more than 50 percent, or over 900 Sevanapitya families cultivated homestead lands. Mahawewa, Aluthwewa and Ginidamana had high percentages of families cultivating homestead areas, but Borawewa had only about 10 percent and two units, no families in Nelumwewa and Reedipokuna cultivated homesteads. The average per family size of cultivated homestead areas was less than 500 square meters, below the System B average.

Total value of homestead production was Rs 1.8 million, or almost 6 percent of the total value of crop production on the block's irrigable fields. Two-thirds of the total value was accounted for by chilli, cowpea and yams. The highest total value of homestead production was Rs 372.7 thousand in Madurangala Unit.

The average per family value of homestead production was Rs 2,000, below the System B average, and equal to about 11 percent of the value of one hectare of paddy. The average per family value of production exceeded Rs 3,000 in Madurangala, Malinda, and Sevanapitya, and was below Rs 2,000 in all other units.

Crop Cultivation Census; Maha 1992/93
Sevanapitiya Block (Homestead)

Unit	Chill (ha)	B'onion	P'onion	C'pea	L'bean	Okra	Brinjal	B'nut	Pumpkin	Tomato	G'nut	Luffa	S'gourd	B'gourd	Bean	Carrot	Capsicum
Aluthwewa	0.573	0.000	0.056	3.273	0.167	0.015	0.096	0.030	0.042	0.091	0.471	0.030	0.016	0.029	0.017	0.000	0.004
Borawewa	0.020	0.000	0.000	0.226	0.016	0.015	0.010	0.000	0.002	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000
Ginidamana	0.941	0.000	0.036	1.859	0.159	0.018	0.085	0.003	0.082	0.090	0.223	0.071	0.010	0.040	0.009	0.001	0.000
Madurangala	1.558	0.003	0.139	2.559	0.277	0.020	0.147	0.010	0.301	0.111	0.237	0.025	0.010	0.009	0.023	0.000	0.049
Mahawewa	0.539	0.000	0.003	2.201	0.458	0.001	0.065	0.000	0.018	0.035	0.127	0.012	0.003	0.007	0.012	0.000	0.003
Malinda	1.289	0.003	0.044	1.098	0.410	0.005	0.173	0.003	0.076	0.067	0.079	0.039	0.002	0.033	0.029	0.000	0.008
Menikwela	0.182	0.000	0.004	0.576	0.027	0.002	0.028	0.000	0.023	0.007	0.010	0.007	0.011	0.005	0.000	0.000	0.000
Nelumwewa	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Reedipokuna	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sevanapitiya	1.658	0.002	0.022	2.328	0.052	0.016	0.019	0.000	0.034	0.099	0.036	0.032	0.030	0.005	0.015	0.000	0.003
Tctal	6.759	0.007	0.304	14.121	1.567	0.092	0.623	0.046	0.576	0.519	1.182	0.216	0.081	0.130	0.104	0.001	0.066

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Unit	Soya	W'bean	Radish	G'leaves	Yam	Gherkin	Maize	G'gram	Cabbage	Knowkhol	Banana	Beet	Total cultivated area	Total # of homesteads	# of cultivated homesteads	% of cultivated homesteads	Average cultivated area
Aluthwewa	0.003	0.004	0.004	0.002	0.815	0.000	0.209	0.831	0.001	0.000	0.005	0.000	6.78	261	194	74.33%	349.54
Borawewa	0.000	0.000	0.000	0.000	0.509	0.000	0.054	0.000	0.000	0.000	0.000	0.000	0.85	226	23	10.18%	371.30
Ginidamana	0.001	0.006	0.019	0.003	0.725	0.000	0.257	0.337	0.006	0.000	0.000	0.000	4.98	233	175	75.11%	284.59
Madurangala	0.028	0.006	0.020	0.027	0.978	0.000	0.385	0.506	0.055	0.026	0.000	0.000	7.51	223	101	45.29%	743.28
Mahawewa	0.000	0.000	0.005	0.005	1.037	0.000	1.348	0.180	0.001	0.000	0.000	0.000	6.06	199	179	89.95%	338.54
Malinda	0.002	0.018	0.012	0.001	1.428	0.000	0.442	0.189	0.047	0.007	0.000	0.001	5.52	171	82	47.95%	673.56
Menikwela	0.015	0.000	0.000	0.000	1.646	0.000	0.136	0.010	0.000	0.000	0.000	0.000	2.69	230	63	27.39%	426.43
Nelumwewa	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0	0	0.00%	
Reedipokuna	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0	0	0.00%	
Sevanapitiya	0.007	0.021	0.008	0.005	0.016	0.010	0.410	0.572	0.047	0.000	0.000	0.000	5.44	201	92	45.77%	591.60
Total	0.056	0.055	0.067	0.042	7.153	0.010	3.240	2.625	0.158	0.033	0.005	0.001	19.837	1744.000	909.000	52.12%	438.25

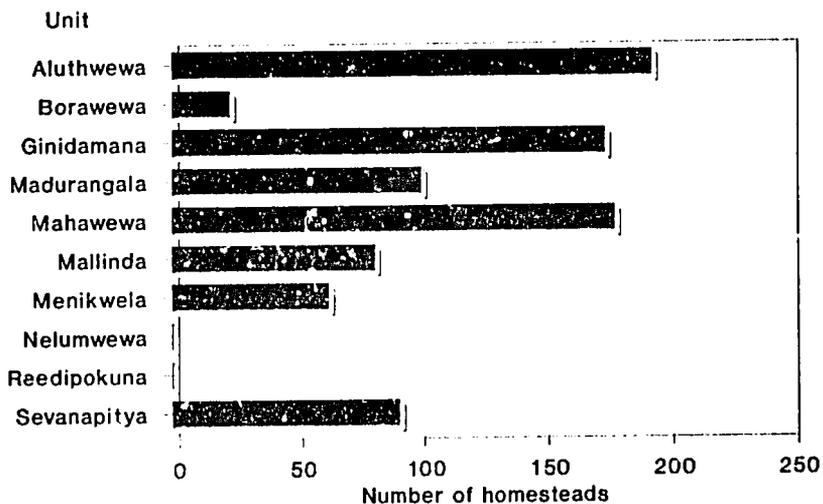
Crop Cultivation Census; Maha 1992/93; Value of crop production
Sevanapitiya Block (Homestead)

Unit	Chilli	B'onion	R'onion	C'pea	L'bean	Okra	Brinjal	B'nut	Pumpkin	Tomato	G'nut	Luffa	S'gourd	B'gourd	Bean	Carrot	Capsicum
Aluthwewa	58,972	0	7,587	109,419	7,069	650	1,473	1,125	886	2,971	38,464	710	372	1,793	330	0	390
Borawewa	2,009	0	0	7,563	685	633	147	0	34	0	0	0	0	173	0	0	0
Ginidamana	96,910	0	4,904	62,161	6,730	752	1,299	126	1,714	2,958	18,219	1,709	245	2,485	176	30	0
Madurangala	160,466	41	18,831	85,569	11,719	832	2,258	357	6,311	3,641	19,387	805	228	550	464	0	5,292
Mahawewa	55,521	0	352	73,606	19,388	59	999	0	374	1,139	10,376	283	65	414	238	0	261
Malinda	132,819	41	5,961	36,716	17,329	211	2,647	108	1,588	2,853	6,446	924	48	2,040	598	0	877
Menikwela	18,727	0	501	19,269	1,127	84	421	0	477	236	776	166	264	297	0	0	0
Nelumwewa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reedipokuna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sevanapitiya	170,828	23	3,021	77,846	2,198	659	293	0	706	3,237	2,900	775	720	291	290	0	325
Total	696,252	104	41,158	472,150	66,248	3,680	9,536	1,716	12,088	17,034	96,569	5,174	1,942	8,042	2,086	30	7,164

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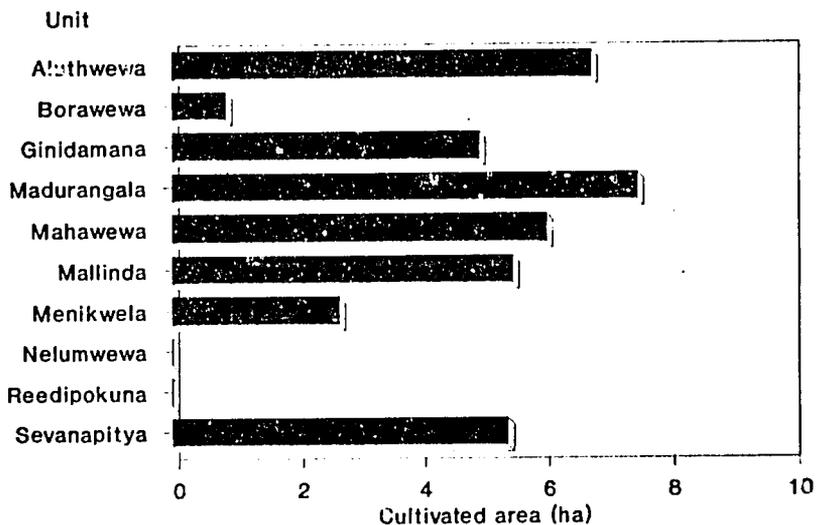
Unit	Soya	W'bean	Radish	G'leaves	Yam	Gherkin	Maize	G'gram	Cabbage	Knowkhol	Banana	Beet	Total value	# of cultivated homesteads	Average value per homestead
Aluthwewa	50	514	41	40	23,190	0	4,735	27,246	8	0	125	0	288,161	194	1,485.4
Borawewa	0	0	0	0	14,492	0	1,218	0	0	0	0	0	26,953	23	1,171.9
Ginidamana	24	771	216	52	20,618	0	5,817	11,037	41	0	0	0	238,992	175	1,365.7
Madurangala	568	797	219	532	27,822	0	8,714	16,590	386	512	0	0	372,689	101	3,690.0
Mahawewa	0	0	57	96	29,512	0	30,502	5,914	9	0	0	0	229,187	179	1,280.4
Malinda	40	2,287	129	20	40,627	0	10,002	6,212	326	140	0	25	271,002	82	3,304.9
Menikwela	300	0	0	0	48,821	0	3,074	328	0	0	0	0	92,872	63	1,474.2
Nelumwewa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reedipokuna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sevanapitiya	132	2,634	93	100	455	675	9,270	18,758	332	0	0	0	296,560	92	3,223.5
Total	1,114	7,003	756	840	203,537	675	73,331	86,084	1,103	652	125	25	1,816,416	909	1,998.3

Maha 92/93; Sevanapitya Block Homestead Cultivation; Number of Homesteads

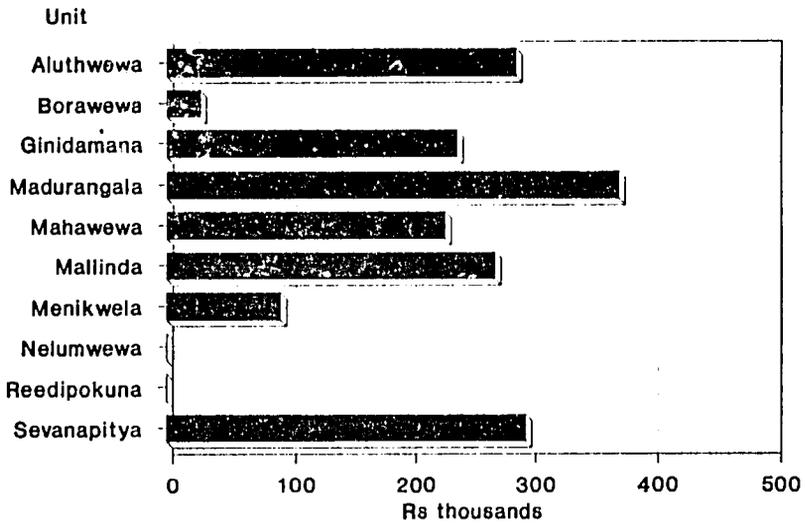


A total of 909 homesteads
or 62 percent

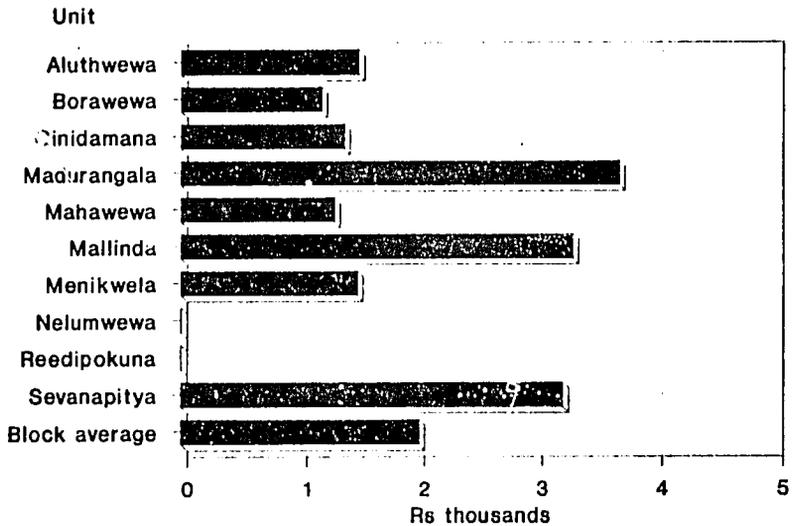
Maha 92/93; Sevanapitya Block Homestead Cultivation; Cultivated Area



Maha 92/93; Sevanapitya Block Homestead Cultivation; Total Value



Maha 92/93; Sevanapitya Block Homestead Cultivation; Value per Family



SUMMARY OF WIJAYABAPURA BLOCK HOMESTEAD CULTIVATION

Almost 800 families in Wijayabapura Block cultivated homestead areas in Maha 1992/93. While this represents a low percentage of total families, it is important to note that Wijayabapura Block has some older settlement schemes and thus a large number of families are involved in trade and services, rather than agricultural production.

Total cultivated homestead area was almost 75 ha. Devagama, with 25 ha, had the largest homestead area devoted to production of annuals. Madurutenna and Pimburuttewa also had large cultivated homestead areas, more than 15 ha in each unit. Galthalawa had the lowest cultivated homestead area, with only 2.8 ha.

Average area cultivated per family, over 900 square meters, was larger than the System B average. Pimburuttewa's average, 0.16 ha, was the highest of all units in System B. The average cultivated area per family in Devagama and Madurutenna also exceeded 1000 square meters.

The larger than average cultivated areas in Wijayabapura resulted in greater than average production. The average value of homestead production per family was over Rs 5,000. This is equal to 30 percent of the value of one hectare of paddy in System B. The value per family in Pimburuttewa and Devagama Units was particularly high, over Rs 8,000 and Rs 7,760, respectively.

Total value of homestead production in Wijayabapura was estimated at over Rs 4 million. This is nearly 14 percent of the total value of crop production on the irrigable lands in Wijayabapura Block. Chilli, cowpea, maize and greengram accounted for about 85 percent of the total value. The value of homestead production in Devagama, Rs 1.4 million, was higher than in other units. The value in Madurutenna was nearly Rs 1 million and in Pimburuttewa, over Rs 750 thousand.

Crop Cultivation Census; Maha 1992/93
Wijayabapura Block (Homestead)

Unit	Chilli	R'onion	C'pea	L'bean	Okra	Brinjal	B'nut	Pumpkin	Tomato	G'nut	Luffa	S'gourd	B'gourd	Bean	Carrot	Capsicum
Aralaganwila	1.499	0.190	2.689	0.116	0.000	0.174	0.000	0.030	0.162	0.530	0.000	0.000	0.019	0.008	0.002	0.048
Devagama	8.423	0.387	10.025	0.948	0.000	0.530	0.075	0.000	0.067	0.071	0.000	0.000	0.006	0.025	0.000	0.000
Galtalawa	1.060	0.085	0.684	0.056	0.000	0.025	0.011	0.022	0.090	0.110	0.012	0.000	0.000	0.011	0.006	0.000
Madurutenna	5.845	0.066	5.756	0.492	0.048	0.325	0.000	0.000	0.111	0.150	0.000	0.000	0.073	0.176	0.000	0.007
Medagama	1.313	0.105	1.818	0.251	0.154	0.188	0.000	0.000	0.251	0.315	0.118	0.013	0.045	0.000	0.000	0.000
Pimburattewa	3.868	0.319	3.134	0.197	0.022	0.112	0.000	0.212	0.197	0.000	0.000	0.135	0.000	0.005	0.000	0.178
Total	22.007	1.154	24.085	2.060	0.223	1.354	0.086	0.264	0.878	1.176	0.130	0.147	0.143	0.225	0.007	0.234

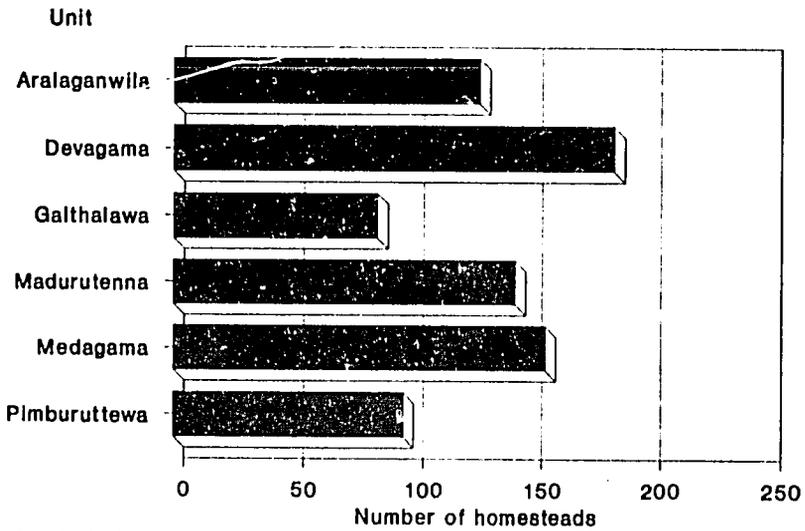
Unit	W'bean	Rac'sh	Yam	Gherkin	Maze	G'gram	Cabbage	Knowkhol	Banana	Beet	Vegetable	Total cultivated area	Total # of homesteads	# of cultivated homesteads	% of cultivated homesteads	Average cultivated area
Aralaganwila	0.000	0.019	0.000	0.449	0.999	0.491	0.006	0.000	0.000	0.008	0.040	7.48	431	128	29.70%	584.23
Devagama	0.000	0.007	0.000	0.000	0.660	2.224	0.344	0.017	0.000	0.000	1.155	24.99	448	185	41.29%	1350.98
Galtalawa	0.000	0.005	0.003	0.000	0.005	0.177	0.006	0.000	0.000	0.000	0.475	2.82	365	85	23.29%	332.28
Madurutenna	0.000	0.016	0.185	0.000	2.132	0.409	0.000	0.000	0.000	0.000		15.79	348	143	41.09%	1104.36
Medagama	0.065	0.000	0.103	0.000	0.135	0.118	0.000	0.000	0.000	0.000	2.462	7.45	383	156	40.73%	477.65
Pimburattewa	0.075	0.002	0.071	0.000	5.274	0.753	0.000	0.000	0.260	0.000	0.650	15.46	338	96	28.40%	1610.77
Total	0.140	0.051	0.362	0.449	9.235	4.171	0.356	0.017	0.260	0.008	4.782	74.003	2313	793	34.28%	933.20

Crop Cultivation Census; Maha 1992/93; Income from crop production Wijayabapura Block (Homestead)

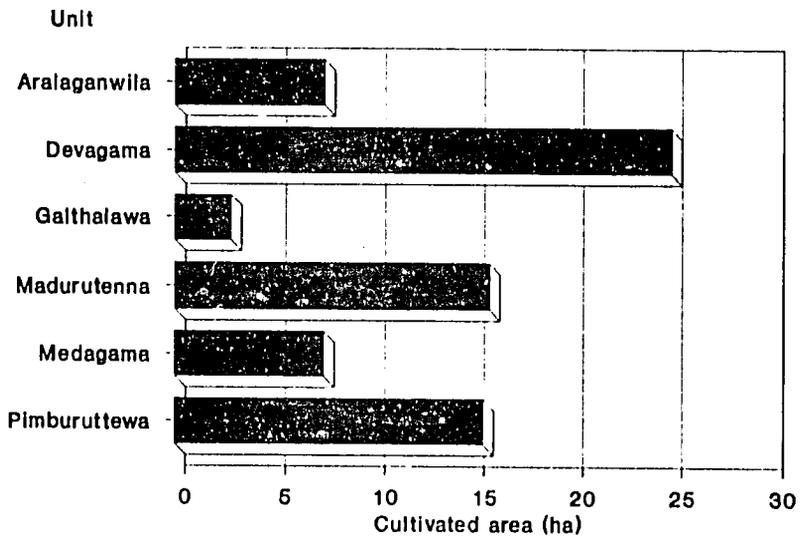
Unit	Chili	Red onion	C'pea	L'bean	Okra	Brinjal	B'nut	Pumpkin	Tomato	G'nut	Luffa	S'gourd	B'gourd	Bean	Carrot	Capsicum
Aralaganwala	154,440	25,700	89,919	4,900	0	2,671	0	630	5,328	43,293	0	0	1,144	113	45	5,237
Devagama	867,585	52,362	335,193	40,096	0	8,121	2,786	0	2,199	5,801	0	0	371	375	0	0
Galtalawa	109,137	11,529	22,188	2,376	0	387	401	452	2,951	8,971	288	0	0	165	174	0
Madurutenna	502,041	9,212	192,451	20,783	2,010	4,970	0	0	3,631	12,263	0	0	4,537	2,646	0	768
Medagama	135,250	14,225	80,780	10,590	5,481	2,578	0	0	8,253	25,736	2,832	300	2,782	0	0	0
Pimburattewa	398,476	43,258	104,782	8,345	929	1,717	0	4,456	6,451	0	0	3,233	0	68	0	19,262
Total	2,256,928	156,286	805,313	87,091	9,420	20,744	3,187	5,538	28,813	96,065	3,120	3,533	8,833	3,359	219	25,267

Unit	W'bean	Radish	Yam	Gherkin	Maize	G'gram	Cabbage	Knowkhol	Banana	Beet	Vegetable	Total income	# of cultivated homesteads	Average income per homestead
Aralaganwala	0	208	0	30,265	22,615	16,108	42	0	0	150	1,030	403,817	128	3,154,821
Devagama	0	79	0	0	15,617	72,929	2,407	348	0	0	28,875	1,435,141	185	7,757,317
Galtalawa	0	84	83	0	113	5,799	44	0	0	0	11,875	177,026	85	2,082,657
Madurutenna	0	183	5,261	0	48,263	13,415	0	0	0	0	0	922,434	143	6,450,591
Medagama	8,353	0	2,922	0	3,055	3,854	0	0	0	0	61,538	349,828	156	2,242,485
Pimburattewa	9,638	21	2,020	0	119,357	24,698	0	0	6,500	0	16,250	769,460	96	8,015,207
Total	17,990	576	10,292	30,265	209,020	136,801	2,493	348	6,500	160	119,538	4,057,706	793	51,116,905

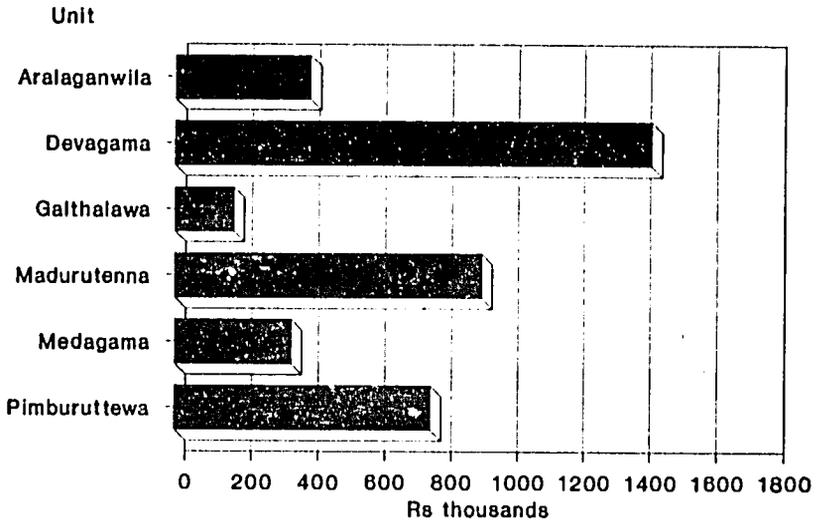
Maha 92/93; Wijayabapura Block Homestead Cultivation; Number of Homesteads



Maha 92/93; Wijayabapura Block Homestead Cultivation; Cultivated Area



Maha 92/93; Wijayabapura Block Homestead Cultivation; Total Income



Maha 92/93; Wijayabapura Block Homestead Cultivation; Income per Family

