

ORGANIC FARM INCOMES IN ENGLAND AND WALES 1998/99

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September 2001

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Report of work for the Ministry of Agriculture, Fisheries and Food Contract ref.: OF 0190

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September 2001

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Executive Summary

This report presents results from research work carried out for the Ministry of Agriculture, Fisheries and Food (MAFF) on the financial performance of organic farms in 1998/99. The aim of the research was to assess the financial performance of organic farms differentiated by farm type, in order to inform MAFF policy-making with respect to organic farming, and to provide a basis for assessments by farmers, advisers and other interested parties of the farm-level implications of conversion to and continued organic farming. To provide an idea of the trends over time, where possible data for continuous samples of farms are presented for 1997/98 and 1998/99.

The specific objectives were to extend the previous project (OF0125, covering 1995/96 to 1997/98) to collect and collate data on the financial performance of organic farms, differentiated by farm type¹. This was achieved through the collation of financial data collected under three different MAFF-funded research projects supplemented by data collected on other farm types. The samples of organic farms are small because of the limited number of organic holdings over 8 ESU (European Size Units) with identifiable holding numbers in 1996, when the previous study was started. As the sample is small there is limitation on how the results may be extrapolated to the wider population of organic farms, especially as the structure and objectives of those converting to organic production in the late 1990s may be different from those that converted in the 1970s and 1980s.

Detailed financial input, output, income, liabilities and assets and some physical performance measures are presented for 1998/99. Where an identical sample of five farms is available, data are presented for 1997/98 and 1998/99 for the sample.

The organic farm samples are so small that outliers (especially larger farms) have a large influence on the average. If the samples were larger, general trends would be more apparent and less influenced by individual farms; despite this, some explanation has been attempted of trends and changes in inputs, outputs and incomes. However, great care must be taken in extrapolating results.

Of those farm types for which a continuous identical sample of five farms was available, Net Farm Incomes (NFI) increased for cropping (£281/ha) and dairy farms (£487/ha) in 1998/99 compared with 1997/98; in both cases outputs as well as inputs increased between years. Mixed farms showed an average reduction in outputs and increase in inputs, lowering the average NFI to £15/ha in 1998/99. The five lowland cattle and sheep farms improved a negative NFI of £161/ha in 1997/98 to a positive £7/ha in 1998/99 through an increase in livestock outputs with a similar level of inputs to that of 1997/98.

Due to the high level of farmer and spouse labour on horticultural holdings, the average Management and Investment Income (MII) of the sample was negative, but the average NFI was £1,836/ha. On four holdings, 1998/99 average outputs were 92%, and inputs were 97% of the previous year, resulting in an average NFI in 1998/99 for that group of 75% of the 1997/98 result.

¹ Fowler, S.M., Lampkin. N.H., and P Midmore. (2000) Organic Farm Incomes in England and Wales 1995/96 – 1997/98. Welsh Institute of Rural Studies, Aberystwyth. Report for MAFF contract ref. OF0190 URL www.organic.aber.ac.uk/library/Organic Farm Incomes.pdf.

The group of LFA farms, consisting of four cattle and sheep and one mixed farm, achieved an average NFI of £72/ha in 1998/99.

1. Introduction

This report presents results from research work carried out for the Ministry of Agriculture, Fisheries and Food (MAFF) on the financial performance of organic farms over the years 1997/98 and 1998/99.

The aim of the research reported here was to assess the financial performance of organic farms, differentiated by farm type, in order to:

- inform MAFF policy-making with respect to organic farming, arable and livestock commodity support programmes and agri-environmental policy, and
- provide a basis for assessments by farmers, advisers and other interested parties of the farmlevel implications of conversion to and continued organic farming.

The specific contract objectives included the collation of financial data collected under three different MAFF-funded research projects. These projects covered: organic dairy (IGER, Trawsgoed with the Institute of Rural Studies (IRS)), hill livestock (ADAS, Redesdale) and arable (ADAS Terrington) farms. Additionally, IRS collected financial data on 21 organic farms of types selected to complement the farms above (lowland cattle and sheep, mixed, and horticultural holdings) (see Table 1).

This report represents a continuation of a research project carried out for MAFF (project OF0125, covering 1995/96 to 1997/98) with the same aims, but which also provided matched conventional farm incomes results alongside organic farm results.²

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² Fowler, S.M., Lampkin. N.H., and P Midmore. (2000) Organic Farm Incomes in England and Wales 1995/96 – 1997/98. Welsh Institute of Rural Studies, Aberystwyth. Report for MAFF contract ref. OF0190 URL www.organic.aber.ac.uk/library/Organic Farm Incomes.pdf.

2. Methods

Organic farm data sources and collection methods

This report presents results from organic farm businesses in England and Wales with account years ending between July and the following April; all (except four) falling between December to April. In these cases artificial year-ends were used to avoid year-ends occurring during the growing season.

Four different MAFF-funded projects contributed data to this report (see Table 1):

1. Organic Hill Livestock Production (ADAS Redesdale)

This project aims to evaluate the effects of converting to and continued management of a hill/upland livestock system to organic farming. To help interpret the physical and financial performance of the organic unit at Redesdale, a network of linked farms was established to support the main research project. There has been a difficulty in maintaining a consistent sample of farms in this project, and in 1998/99, only farm income data for five linked farms were supplied by ADAS to IRS. All were costed using the ADAS Business Recording Service. Gross margin costings only were supplied for a further three farms, and for the three systems being operated by ADAS at Redesdale.

2. Organic Arable Farming (ADAS Terrington)

A similar network of linked farms was associated with this project, which aimed to evaluate the effects of converting and the continued organic management of specialist arable farms. Whole farm income data from five linked predominantly cropping farms were provided by ADAS to IRS for this study. Of these, one farm has been categorised with the mixed farms in this report. One of these farms has not been included in the whole farm results due to the small proportion of land area in conversion and in organic production.

3. Organic Milk Production (IGER, IRS, ADAS)

A MAFF funded project to study the conversion of Ty Gwyn dairy unit to organic milk production also used the linked farms approach. Six of these farms, now in full organic production, were used to provide data for the report (see Table 1). The data were collected by IRS using the Integrated Accounts System (IAS) used by Farm Business Survey Centres. Only gross margin data from the Ty Gwyn farm, now split into two herds, are included.

The Ty Gwyn study is now in the third phase of work, and data for converting dairy farms are being collected, but the group consists of less than five farms, therefore data are not presented in this report.

4. Economics of organic farming (IRS)

Data on 21 additional commercial organic farms in England and Wales were collected under this project to complement the farm types under consideration in the above studies. The main types selected were mixed, cropping, horticulture and lowland cattle and sheep. Data were collected from farms which had been recruited for the previous project (OF0125) that were willing to provide their information for a further year. For the previous project, farms were randomly selected within robust farm type categories from 1996 UK Register of Organic Food Standards (UKROFS) registered holdings with identifiable holding numbers over 8 European Size Units (ESU) (for definition, see Appendix 2). Of about 800 UKROFS registered holdings at the beginning of 1996, 640 had identifiable numbers of which only 445 were usable, primarily due to significant numbers of

duplicates. Of the 445 usable numbers, 147 were for holdings of less than 8 ESU, leaving a group of 298 from which farms could be selected. Farms with less than 50% of land with organic status were excluded.

The data were collected by IRS using the Aberystwyth Farm Business Survey (FBS) IAS (See Table 1). Horticultural data were collected by HDRA on sub-contract from IRS, also using the IAS approach.

The Welsh Institute of Rural Studies (IRS) at the University of Wales, Aberystwyth was responsible for collating the data from the different sources.

Table 1 Distribution of organic farms by type and source of data, 1998/99

| Data source | ADAS Redesdale | ADAS Terrington | I | RS | HDRA | Total |
|----------------------------|-------------------|--------------------|-------|-------|-------------------|-----------|
| Farm Type | Hill livestock | Arable | Dairy | Other | Horti- culture | |
| Cereals & general cropping | | 3+2 GM | | 2 | | 5+ 2 GM |
| Horticulture | | | | | 5 | 5 |
| Pigs and poultry | | | | | | 0 |
| Dairy | | | 6 | 2 | | 8 |
| Cattle and sheep LFA | 4+3 GM | | | | | 4 + 3 GM |
| Lowland | | | | 9 | | 9 |
| Mixed | 1* | 1 | | 3 | | 5* |
| Other | | | | | | 0 |
| Total | 5* +3 GM | 4+2 GM | 6 | 16 | 5 | 36 + 5 GM |

GM – Gross margin data only

Samples

The data were gathered using a variety of methods, depending on the source as described above (see Table 1), but processed according to standardised Farm Business Survey guidelines set down by the Ministry of Agriculture, Fisheries & Food, Economics (Farm Business) Division (Farm Business Survey, February 1996). In some cases only gross margin information for specific enterprises were provided. Where farms dropped out of the survey in 1998/99 and new farms were included, to provide tables of whole farm data from identical samples, two sets of 1998/99 data are presented with the new farm figures excluded from the set presented with the 1997/98 data. In this report farms are largely presented in the categories into which they fall using their 1998/99 data for classification; in previous reports (see reference on page 1) farms were kept in the category into which they fell in the first year of the study in order to provide continuous samples.

Farm classification

^{*}One farm that classified as a mixed farm in 1997/98 and 1998/99 has been included in tables for hill livestock as well as the mixed category, to bring both groups to the required minimum of five farms.

The study farms were classified by constituent EC type (1985 EC Typology described in Commission Decision 85/377/EEC as amended with minor modifications, MAFF 1998)³. They are presented in groups by Robust type according to the UK farm classification system (revised 1994, MAFF, 1997)⁴. (See Appendix 2, page 61 for more information.) The use of constituent EC types relies on the use of standard gross margins (SGMs) from which European Size Units (ESUs) are derived (which in turn allow classification into EC types); this typology system was originally devised for conventional agricultural systems and therefore not entirely appropriate for these organic farms (see Appendix 2). Classification of farms by size and type is inevitably a broad-brush exercise, but where sample sizes are small and farming systems diverse, some form of categorisation is essential to elucidate trends and patterns.

Robust types 1 (Cereals) and 2 (General Cropping), are merged to present enough farms in each sample to maintain confidentiality.

One of the hill farms studied in the ADAS Redesdale study was classified as a mixed farm in 1998/99 but its extensive nature makes it similar to other LFA cattle and sheep holdings. Including it with other LFA cattle and sheep farms makes a group of five thus allowing presentation of the data from this group.

One of the farms presented in the cropping group was classified as a mixed farm in 1997/98 and as a cropping farm in 1998/99, but it is presented with the cropping sample to give an identical sample of five farms. For further information on the samples, see sections on each farm type.

Continuous samples

Due to the constraints of confidentiality guaranteed to farmers participating in these surveys, no data are presented for groups of less than five farms. At the time of recruiting for the previous contract (in 1996), there were too few organic farms in particular categories from which to sample (i.e. farm types 'pigs and poultry' and 'other'), and it was difficult recruiting sufficient participants for other types (particularly horticultural holdings). One farm in the horticulture category did not continue in the study for 1998/99 and a replacement farm was recruited, allowing only four holdings in an identical continuous sample, which is therefore not presented, although an indication of changes in incomes, input and output measures is given. A similar situation arises in the LFA cattle and sheep category, where the sample presented is of five farms in 1998/99, but an identical sample for the two years of only four farms was possible, which is therefore not presented, although some observations of trends are given.

Farm Incomes in the United Kingdom 1996/97 (1998) MAFF, London: TSO.

⁴ Farm Incomes in the United Kingdom 1995/96 (1997) MAFF, Norwich: HMSO.

3. Presentation of results

Whole farm data

Results for each type of organic farm have been averaged. Where new farms are included in the 1998/99 sample, and an identical sample contains at least five farms, an identical sample of 1997/98 and 1998/99 farms is also presented.

Table 2 gives an overview of the performance of organic farms in 1998/99 in £ per effective hectare of Utilisable Agricultural Area (UAA). Within sections on each farm type, tables show breakdowns of average outputs, inputs and incomes for whole farms and in £/ha; for dairy, mixed, and lowland cattle and sheep farms, tables are given for identical samples for two years. Figure 3 shows summary results for the six farm types by farm and ha, output columns are adjusted to exclude BLSA and input columns do not include farmer and spouse labour, so that the income columns represents NFI excluding BLSA. Figures within chapters showing categories of outputs and inputs *include* BLSA and farmer and spouse labour.

Throughout the text, the terms *input* and *output* are used to define financial values rather than physical quantities (for further definitions of terms please see Appendix 3, page 62).

Within Appendix 1, Tables A1 to A6 give details of outputs, inputs, incomes, some performance measures, and asset and liability information for six farm types. Where physical information was available in addition to the financial data collected, figures for livestock units per forage hectare, and labour units per farm, are presented. Where direct data were not available, labour units have been derived from wages paid using standard agricultural wages (based on Agricultural Wages Board). All labour-use figures presented are, however, very approximate.

Tables provide whole farm totals averaged for each farm type, and weighted averages per hectare of UAA over the farms or holdings. Values per hectare of total UAA are used (rather than measures per hectare in specific enterprises) because presenting the whole farm situation reflects the interdependence of enterprises. The fact that, for instance, organic horticultural holdings cannot crop their entire land in one year has a considerable influence on the overall farm profitability.

Adjustments to valuations of breeding livestock, reflecting widespread national reductions, were made during the 1998/99 year. The effect of these revaluations is reflected in the difference shown in full tables in the Appendices as the difference between NFI including and excluding Breeding Livestock Appreciation (BLSA). References in the text to NFI, ONI and Cash Income are excluding BLSA; MII includes BLSA.

Income measures

In the presentation of the Management and Investment Income (MII) and Net Farm Income (NFI) results, all farms are effectively treated as tenanted, and a rental value is imputed as an expense for owner-occupied land. The cost of permanent improvements to farms, together with any capital grants relating to such work, are excluded from these income calculations, although such landlord-type improvements will be reflected in higher rent or rental value charges. Debt servicing charges incurred by farmers on farm borrowing or the leasing of equipment are ignored for the purposes of calculating NFI and MII, but such charges are taken into account in calculating Occupier's Net Income (ONI) and cash income.

MII represents a return to management, whether paid or not, and tenant-type capital invested in the farm, whether borrowed or not. Thus, as well as the usual variable and fixed costs, it includes a nominal charge for farmer and spouse physical labour, but not management time, and a charge for depreciation of machinery (but not the actual costs of machinery purchased in that period). Interest payments are not included.

NFI represents the return to farmer and spouse for their manual and managerial labour and on the tenant-type capital invested in the farm. NFI can be derived from MII by deducting the cost of paid management, and adding back the notional charge for farmer and spouse labour.

In the presentation of the MII and NFI results, a number of adjustments are made to make farms comparable with each other as far as resource endowment is concerned:

- Land and property: all farms are treated as tenanted a rental value is imputed as an expense for owner-occupied land. The costs of permanent improvements to farms, together with any capital grants relating to such work, are therefore excluded from these income calculations, although such landlord-type improvements are reflected in higher rent or rental value charges.
- Capital: all farms are treated as if they have no borrowings debt service charges incurred by farmers on farm borrowing or the leasing of equipment were ignored for the purposes of calculating NFI and MII.
- Labour: all farms are treated as if all labour is paid including other unpaid labour and, for MII, notional values for farmer and spouse manual labour are included.

ONI and Cash Income definitions exclude these notional charges and reflect actual land, property and capital costs. The measure closest to the normal definition of profit is that of ONI, as it excludes nominal charges for unpaid labour of farmer and spouse as well as any nominal rents charged, but includes interest charges and depreciation of buildings and works. ONI and Cash Income more closely represent the actual situations on farms, but comparisons with other farms are less reliable because of differences in land tenure, reliance on unpaid labour, and owner equity.

For further definitions of terms see Appendix 3.

4. Results highlights

The results presented cover two years during which the effect of the BSE crisis, which began in March 1996, was still being felt, and there was downward pressure on conventional farm-gate prices and support payments due to the increased value of the pound; however, there were significant improvements in the marketing conditions for organic products in 1997/98 and these were maintained in 1998/99.

The organic farms studied include a range from recently converted farms and farms with established organic areas but also with conventional land, to long-established entirely organic farms. The farms in the ADAS Terrington trial were the organic farms with the highest proportion of land not in conversion; in 1997/98 the cropping farms presented in Section 5 ranged from 59% of land to 100% of land under organic management, averaging at 84%.

Table 2 gives a summary breakdown of outputs and inputs as calculated for MII, and three other income measures (NFI, ONI and Cash Income) for 1998/99. Figures 1 and 2 show the outputs and inputs as proportions of totals (inputs as calculated for MII).

Table 2 Organic farms data summary (£/ha), full samples, 1998/99

| | Horti- | | Dairy | Cattle & | Sheep | |
|---------------------------|----------|---------|-------|----------|-------|-------|
| | Cropping | culture | Dairy | Lowland | LFA | Mixed |
| | n=5 | n=5 | n=8 | n=9 | n=5 | n=5 |
| Livestock outputs | 216 | 52 | 1,159 | 623 | 256 | 325 |
| Livestock subsidies | 65 | 10 | 4 | 93 | 193 | 81 |
| Cropping and by-products | 852 | 6,715 | 330 | 137 | 119 | 254 |
| Crop subsidies | 152 | 0 | 66 | 52 | 12 | 78 |
| Other outputs | 52 | 148 | 20 | 54 | 24 | 27 |
| Agri-environment payments | 26 | 19 | 24 | 40 | 31 | 13 |
| TOTAL OUTPUTS | 1,363 | 6,945 | 1,603 | 999 | 634 | 777 |
| Livestock | 68 | 101 | 418 | 269 | 119 | 110 |
| Crop | 120 | 1,909 | 134 | 36 | 67 | 70 |
| Labour | 398 | 3,514 | 376 | 372 | 100 | 214 |
| Machinery | 276 | 734 | 285 | 215 | 206 | 220 |
| General | 95 | 454 | 125 | 119 | 63 | 68 |
| Land costs | 189 | 308 | 174 | 204 | 77 | 134 |
| TOTAL INPUTS | 1,147 | 7,020 | 1,512 | 1,216 | 632 | 816 |
| Add paid management input | 26 | 0 | 0 | 35 | 0 | 19 |
| Management & | | | | | | |
| Investment Income | 243 | -75 | 91 | -182 | 2 | -20 |
| Net Farm Income (ex.BLSA) | 281 | 1,836 | 200 | -81 | 72 | 15 |
| Occupier's Net Income | 295 | 1,455 | -8 | -40 | 96 | 34 |
| Cash Income | 444 | 2,323 | 245 | 222 | 156 | 110 |

Table 2 and Figure 1 illustrate the high dependence on subsidies of LFA cattle and sheep farms; in 1998/99, 31% of their output was derived from livestock subsidies. The organic dairy farms and horticultural holdings had the lowest direct subsidies, making up less than 1% of their outputs.

Cropping output made up 63% of total output of organic cropping farms, and 97% of the horticultural holdings; on the mixed farms, cropping and arable area payments made up 43% of outputs compared with livestock and livestock subsidies that comprised 52% of outputs.

Figure 1 Proportions of total output from different categories by farm type, full samples, 1998/99

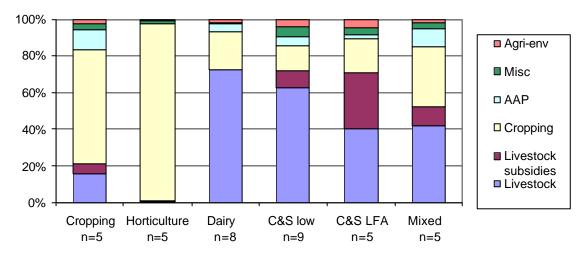
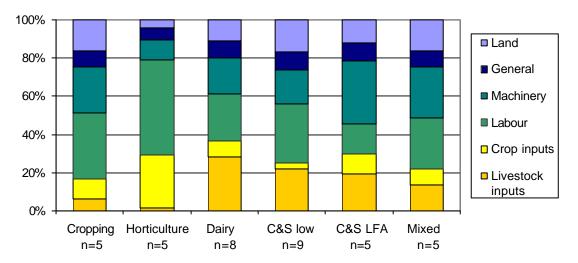


Table 2 and Figure 2 indicate the dominance of labour inputs on the organic farms, the proportion of total inputs ranging from 16% to 50% of costs for LFA cattle and sheep farms and horticultural holdings, respectively. Surprisingly, machinery costs make up 33% of inputs on LFA cattle and sheep farms, compared with only 10% on horticultural holdings, but in terms of actual inputs per hectare, the LFA cattle and sheep farms spent less than 30% as much per hectare on machinery as did the horticultural holdings. Only lowland beef and sheep farms had lower machinery costs per hectare, of £215/ha, in line with the reduced proportion of land in cereals and cash crops (<1% compared with 11% of UAA on the LFA farms used for cereals and cash cropping).

Figure 2 Proportions of total inputs from different categories by farm type, full samples, 1998/99

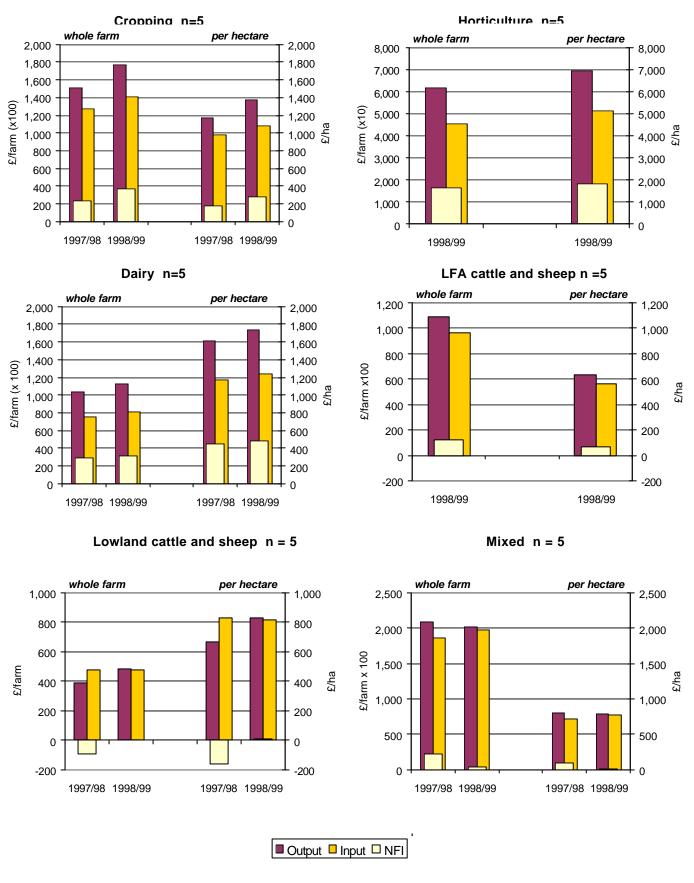


Interpretation of results

The organic farm sample is so small that outliers (especially larger farms) will have an undue influence on the average. If the sample were larger, general trends would be more apparent and less influenced by individual farms. Despite this influence of individual organic farms on the average, some explanation is attempted of trends and changes in inputs, outputs and incomes, however, great care must be taken in extrapolating results.



Figure 3 Average outputs, inputs and NFI (£/farm and £/ha) of organic farms of four types, 1997/98 and 1998/99, identical samples, and of two types, 1998/99 only



5. Cropping farms

For detailed results see Appendix 1, Table A1, page 40.

Sample

Four of this group of five farms were classified as general cropping farms, the fifth was classified as a cereals farm. Four of them managed all of their land to organic standards in 1998/99. They ranged in size from 75 to 250 ha, averaging at 130 ha UAA. Four of the farms had suckler cow enterprises, and the fifth a store cattle enterprise; one farm had store lambs and two had breeding sheep. Two of the farms also had poultry enterprises. Stocking rates for the livestock on these farms ranged from 1.1 to 2 GLU per forage hectare. All the farms were in England.

Four of the farms were owner occupied, and two of these rented extra land.

Table 3 Summary data for five organic general cropping farms, (£/farm and £/ha), identical sample, 1997/98 – 1998/99

| | 1997/ | /98 | 1998/99 |) |
|----------------------|---------|-------|---------|-------|
| | £/farm | £/ha | £/farm | £/ha |
| Livestock outputs | 20,878 | 162 | 27,990 | 216 |
| Livestock subsidies | 10,656 | 83 | 8,384 | 65 |
| Cropping outputs | 90,143 | 698 | 110,464 | 852 |
| Arable area payments | 21,795 | 169 | 19,753 | 152 |
| Miscellaneous | 4,713 | 37 | 6,695 | 52 |
| Agri-env. payments | 2,388 | 19 | 3,416 | 26 |
| TOTAL OUTPUTS | 150,572 | 1,167 | 176,702 | 1,363 |
| Livestock inputs | 11,359 | 88 | 8,854 | 68 |
| Crop inputs | 16,079 | 125 | 15,614 | 120 |
| Labour | 43,654 | 338 | 51,583 | 398 |
| Machinery | 28,110 | 218 | 35,782 | 276 |
| General | 14,270 | 111 | 12,294 | 95 |
| Land | 22,630 | 175 | 24,461 | 189 |
| TOTAL INPUTS | 136,102 | 1,054 | 148,589 | 1,147 |
| Add paid management | 3,240 | 25 | 3,400 | 26 |
| MII | 17,711 | 137 | 31,513 | 243 |
| NFI | 23,401 | 181 | 36,374 | 281 |
| ONI | 26,253 | 203 | 38,281 | 295 |
| Cash Income | 44,191 | 342 | 57,510 | 444 |

Outputs

Despite the presence of livestock enterprises on all of these farms, cropping and arable area outputs generated 74% of outputs in 1998/99. Between 1997/98 and 1998/99 outputs from livestock and cropping enterprises increased (by 34% and 22% respectively) but subsidies for both categories decreased. The total outputs increased by 17% from £1,167/ha to £1,363/ha.

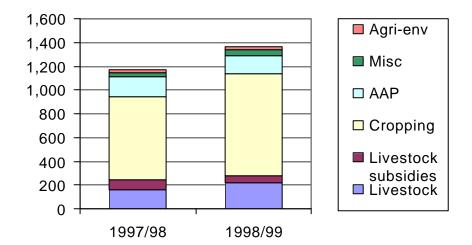


Figure 4 Outputs, in categories, of five organic cropping farms (£/ha), 1997/98–1998/99

Inputs

Overall inputs, including allowances for unpaid labour and rental value, did not change much between years, increasing by 9% from £1,054/ha to £1,147/ha. Machinery costs increased by 27%, largely due to large depreciation increases on two of the farms. Labour costs increased on four of the five farms so that the average rose by 18%. Largely due to considerably lower expenditure on purchased fodder by two farms in 1998/99, average livestock inputs fell by over 20% and general costs and crop inputs fell slightly.

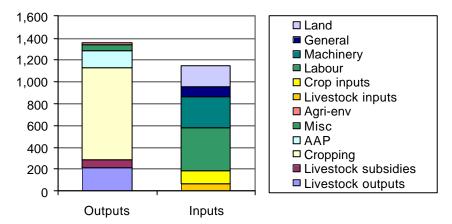
1,400 Land 1,200 General 1,000 800 Machinery 600 Labour 400 □ Crop 200 inputs Livestock 0 inputs 1997/98 1998/99

Figure 5 Inputs, in categories, of five organic cropping farms (£/ha), 1997/98–1998/99

Incomes

The slight adjustments in outputs and inputs resulted in a 77% increase in MII to £243 per hectare (see Table 3 and Figure 6). Other income measures increased to a lesser extent, with Cash Income rising from £342 to £444/ha, an increase of 30%.

Figure 6 Outputs and inputs, in categories, of five organic cropping farms (£/ha), 1998/99 Difference between columns represents MII.



Discussion

There is no consistent pattern from this varied group of organic cropping farms to account for the average improvement of incomes. The general price rises for organic cereals between 1997/98 and 1998/99 will have contributed to the average increase in cropping revenues, although average yields appeared lower in 1998/99 than the previous year. Many of the cereals gained an extra £10/t in 1998/99 (the average winter wheat price increased from £180 to £195/t in 1998/99, Table 15), and the price achieved for potatoes increased by £80/tonne to an average of £330/tonne (Table 20 see page 39).

Two of the farms studied increased the land area under organic management in 1998/99. On one farm there was a 34% increase in machinery costs, largely through a trebling of contractor costs. The same farm achieved substantial increases in both livestock and cropping outputs in the 1998/99. A second farm with some land managed conventionally in both years, reduced both outputs and inputs in 1998/99, and achieved very similar income figures in both years. An entirely organic farm maintained outputs in 1998/99, but had large increases in labour and machinery costs (repairs and depreciation), resulting in sharply reduced income.

6. Horticultural holdings

For detailed results see Appendix 1, Table A2, page 43.

Sample

Only one of the organic horticultural units was situated on ideal vegetable growing land. Out of the organic holdings classified by MAFF as Robust Type 3 (Horticulture) in 1996, only one third were in the eastern counties of England, where the majority of conventional horticultural units were located. Within the sample for this study, the majority of organic holdings were in the south-west and west of England and in Wales, and one was in a Less Favoured Area.

A new farm was recruited in 1998/99 to replace the one farm that dropped out of the survey, and therefore an identical sample of five holdings is not available. The additional holding in the 1998/99 survey had three times the average cropping area of the average of the other four holdings, and belonged to ESU size group 6 (60–99.9 ESUs) contrasting with the other holdings in size groups 2 and 3 (between 8 and 27.9 ESUs).

Table 4 Summary data for five organic horticultural holdings (£/holding and £/ha), 1998/99

| | 1998/99 | | | |
|----------------------|-----------|-------|--|--|
| | £/holding | £/ha | | |
| Livestock outputs | 462 | 52 | | |
| Livestock subsidies | 90 | 10 | | |
| Cropping outputs | 59,506 | 6,715 | | |
| Arable area payments | 0 | 0 | | |
| Miscellaneous | 1,316 | 148 | | |
| Agri-env. payments | 171 | 19 | | |
| TOTAL OUTPUTS | 61,545 | 6,945 | | |
| Livestock inputs | 892 | 101 | | |
| Crop inputs | 16,920 | 1,909 | | |
| Labour | 31,140 | 3,514 | | |
| Machinery | 6,502 | 734 | | |
| General | 4,024 | 454 | | |
| Land | 2,730 | 308 | | |
| TOTAL INPUTS | 62,209 | 7,020 | | |
| Add paid management | 0 | 0 | | |
| MII | -664 | -75 | | |
| | | | | |
| NFI | 16,268 | 1,836 | | |
| ONI | 12,894 | 1,455 | | |
| Cash Income | 20,583 | 2,323 | | |

All the organic holdings in the survey grew predominantly outdoor field vegetables. A wide range of vegetables was grown, commonly 20-30 different types. The area of protected cropping was small.

Their method of marketing was mixed; the survey contains 60% of organic holdings selling through their own direct marketing scheme (box scheme), 30% wholesale and 10% to a packer. Most of those with box schemes bought in vegetables to enable them to continue the box scheme through the year.

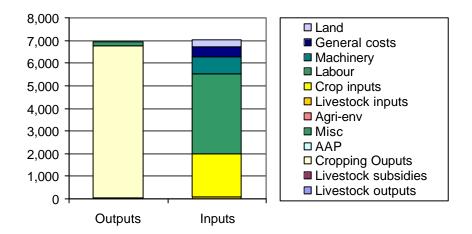
Outputs

The five holdings achieved an average output of nearly £7,000/ha, ranging from £3,000 to over £10,500/ha in 1998/99; cropping outputs accounted for 97% of outputs. The four holdings studied for both years achieved very consistent cropping and total outputs in both years.

Inputs

Labour costs (including farmer and spouse labour) accounted for 50% of total inputs; cropping inputs accounting for a further 27%, with machinery costs accounting for only 10% of inputs. Within the identical sample of four holdings, there was an overall increase in outputs of 6%, largely relating to a 22% increase in cropping inputs.

Figure 7 Outputs and inputs, in categories, of five horticultural holdings (£/ha), 1998/99
Difference between columns represents MII.



Incomes

Because of the increase in costs the average incomes on the identical sample decreased in 1998/99. Of the five holdings studied in 1998/99, whole-farm MII was -£664 (-£75/ha), ONI was £12,894 and cash income £20,583.

Discussion

On average, the holdings used 1.9 labour units of family labour per holding. Of all six farm types, horticultural holdings had the highest average tenant's capital at £2,130/ha, and the average return on this was negative, although the two larger holdings achieved positive returns on tenant's and all capital.

It should be noted that the organic holdings presented in this sample are not representative of larger, field scale, vegetable operations entering conversion in the late 1990s and their performance does not reflect the potential of larger operations. The complexity of cropping on these holdings, and the lack

of detailed crop information, especially of yield and price data limits the interpretation of increases in outputs. Output changes may relate to changes in marketing, prices, yields, and/or crops grown.

Increases in both outputs and inputs are related to intensification of production on a number of the sample farms (e.g. one farmer has gone out of livestock and into intensive vegetable production and another farmer has reduced vegetable production and expanded into organic transplant production). The small-scale horticultural units use considerable amounts of labour for crop production and marketing; marketing time should not be included as 'labour' but in practice it is difficult to differentiate on small units such as these.

7. Dairy farms

For detailed results see Appendix 1, Table A3, page 46.

Sample

Two groups of data are presented here. The identical sample for two years of five farms consists of three long-established organic dairy farms and two farms that started selling organic milk in 1998; two of the five farms were in less-favoured areas. The full sample of eight farms, for which data are presented for 1998/99 only, includes three other dairy farms each of which has individual characteristics that made them less representative of the performance of organic dairy farms in the late 1990s.

Table 5 Summary data for organic dairy farms (£/farm and £/ha), 1997/98–1998/99

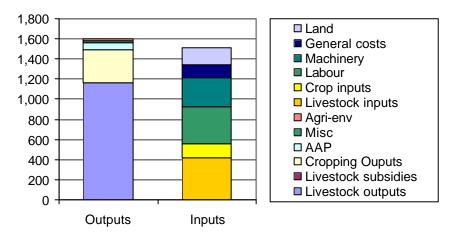
| | 1997/98 | | 1998 | 8/99 | 1998/9 | 99 |
|----------------------|---------|-------------|-------------|-------|-------------|-----------|
| | io | dentical se | ample (n=5) | | full sample | (n=8) |
| | £/farm | £/ha | £/farm | £/ha | £/farm | £/ha |
| Livestock outputs | 89,582 | 1,385 | 95,615 | 1,477 | 153,811 | 1,159 |
| Livestock subsidies | 198 | 3 | 202 | 3 | 531 | 4 |
| Cropping outputs | 8,917 | 138 | 7,741 | 120 | 43,859 | 330 |
| Arable area payments | 1,792 | 28 | 1,069 | 17 | 8,777 | 66 |
| Miscellaneous | 2,647 | 41 | 1,297 | 20 | 2,653 | 20 |
| Agri-env. payments | 1,556 | 24 | 2,318 | 36 | 3,137 | 24 |
| TOTAL OUTPUTS | 104,693 | 1,619 | 108,240 | 1,672 | 212,768 | 1,603 |
| Livestock inputs | 22,394 | 346 | 31,377 | 485 | 55,505 | 418 |
| Crop inputs | 4,278 | 66 | 3,752 | 58 | 17,778 | 134 |
| Labour | 21,111 | 326 | 21,555 | 333 | 49,930 | 376 |
| Machinery | 19,321 | 299 | 16,222 | 251 | 37,821 | 285 |
| General | 9,215 | 143 | 7,599 | 117 | 16,534 | 125 |
| Land | 10,909 | 169 | 10,615 | 164 | 23,085 | 174 |
| TOTAL INPUTS | 87,228 | 1,349 | 91,119 | 1,408 | 200,652 | 1,512 |
| Add paid management | 0 | 0 | 0 | 0 | 0 | 0 |
| MII | 17,481 | 270 | 17,121 | 265 | 12,116 | 91 |
| NIEI | 29.722 | 444 | 21 517 | 197 | 26.566 | 200 |
| NFI | 28,732 | 444 | 31,517 | 487 | 26,566 | 200 |
| ONI | 24,380 | 377 520 | 28,095 | 434 | -1,115 | -8 245 |
| Cash Income | 34,226 | 529 | 40,803 | 630 | 32,572 | 245 |

Outputs

On average, livestock outputs accounted for 88% of outputs of the identical sample of five farms in 1998/99, and 72% of the outputs of the full sample that included larger farms with cropping land (see Figure 8). Two of the farms only started selling organic milk during the 1997/98 year; the established organic farms averaged 27 pence per litre (ppl) in 1997/98, the newly converted farms averaged 21

ppl in that year. In 1998/99 the average price for milk for the five farms in the identical sample was 29 ppl; the average price was 27 ppl for the eight farms, largely due to a very low price achieved on one farm. Whole farm livestock outputs on the identical sample farms increased by 7% in 1998/99 compared with the previous year; but an average fall in cropping output restricted the increase in total output to 3%.

Figure 8 Outputs and inputs, in categories, of eight organic dairy farms (£/ha), full sample, 1998/99



Difference between columns represents MII.

Figure 9 Outputs, in categories, of five organic dairy farms (£/ha), identical sample, 1997/98–1998/99

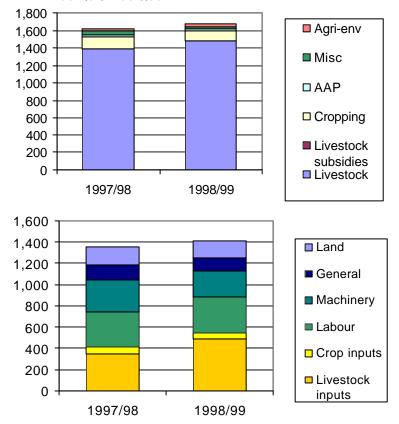


Figure 10 Inputs, in categories, of five organic dairy farms (£/ha), identical sample, 1997/98–1998/99

Inputs

The increase of livestock variable costs between years (see Figure 10) is partly related to the change to organic concentrates on the two farms gaining full organic status in 1998, but a greater effect is caused by the increase in other livestock costs on each of the farms in the identical sample, the increase in costs ranged from 45% to 146%. Despite this increase, variable costs on the identical sample farms in 1998/99 accounted for 32% of total inputs, and labour and machinery charges were 20% and 16% of total inputs, respectively. The 40% increase in livestock inputs between the years was ameliorated somewhat by reductions in costs for other categories save labour, which increased by 2%, resulting in an overall increase in inputs of 6%.

Income

Table 5 shows that the full sample of eight farms achieved an average MII of £91/ha, NFI of £200/ha and Cash Income of £245/ha. The contrast with negative ONI (-£8/ha) results from the inclusion of buildings and works depreciation in this figure; one farm had extremely high values, resulting in the negative result for the group average.

Income changes on the group of five farms (see Table 5) between the years resulted from the greater increase in inputs than outputs, so that the whole-farm MII was 2% lower in 1998/99; adjustments for BLSA that are included in the calculation of MII, and the lower figure for farmer and spouse labour in the second year resulted in an improvement in average NFI (excluding BLSA), ONI and Cash Income for the five farms in 1998/99.

Discussion

In 1998/99 the average UAA on the five farms decreased slightly, and the number of dairy cows and livestock carried increased, resulting in a slight increase in stocking rate to 1.5 grazing LU per forage hectare; milk yields per cow ranged from 4,900 l to 5,900 l, averaging at 5,400 l. Milk yields per cow combined with stocking rate, gives a better indication of productivity - litres per hectare, which ranged from 6,250 l/ha to 11,500 l/ha, with an average of 8,500 l/ha for the eight farms in 1998/99. The average milk yield per hectare on the identical group of five farms in 1998/99 was 99% of that of the previous year, so the improvement in livestock outputs related to the price received for the milk (in the second year all five farms received the organic price for the whole year), outputs per cow from cull and calf sales and valuation changes declined by 25% in 1998/99 for this group. The dairy gross margins shown (Table 9) reflect these changes; on nine dairy enterprises average milk outputs per cow were very similar over two years, but other dairy outputs dropped by 20% in 1998/99 compared with 1997/98.

Figure 8 indicates outputs and inputs as used for calculating average MII for the full sample (£91/ha, see Table 5); excluding one farm that was severely affected by very high quota leasing costs, the NFI per ha on the other farms in 1998/99 ranged from £250 to £720.

8. Lowland cattle and sheep farms

For detailed results see Appendix 1, Table A4, page 49.

Sample

Two groups of farms are presented; an identical sample of five specialist cattle and sheep farms for 1997/98 and 1998/99, and a larger sample of nine farms for 1998/99 only, which includes a farm with a dairy enterprise and a farm with other livestock enterprises, but all falling within the lowland cattle and sheep farm category. The identical group ranged in size from 27 to 115 ha; three of the farms were smaller than 50 ha, with an average of 58.5 ha located in central and southwest England. Two of the farms grow some concentrates for stock feed. The geographic spread of the larger sample was wider, but there were no farms from the north of England.

Table 6 Summary data for lowland organic cattle and sheep farms (£/farm and £/ha), 1997/98 - 1998/99

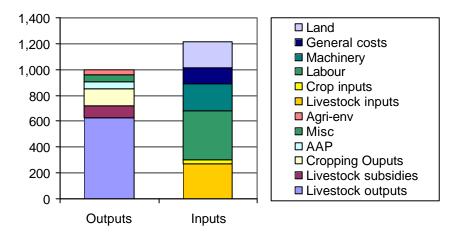
| | 1997/ | 98 | 1998/9 | 99 | 1998/ | 99 |
|----------------------|---------|--------------|------------|------|-------------|---------|
| | id | lentical sai | mple (n=5) | | full sample | e (n=9) |
| | £/farm | £/ha | £/farm | £/ha | £/farm | £/ha |
| Livestock outputs | 21,049 | 362 | 23,939 | 409 | 62,049 | 623 |
| Livestock subsidies | 8,898 | 153 | 10,256 | 175 | 9,271 | 93 |
| Cropping outputs | 1,772 | 31 | 1,115 | 19 | 13,672 | 137 |
| Arable area payments | 980 | 17 | 570 | 10 | 5,192 | 52 |
| Miscellaneous | 2,354 | 41 | 4,533 | 77 | 5,331 | 54 |
| Agri-env. payments | 3,502 | 60 | 4,308 | 74 | 3,957 | 40 |
| TOTAL OUTPUTS | 38,556 | 664 | 44,720 | 764 | 99,471 | 999 |
| Livestock inputs | 8,935 | 154 | 10,674 | 182 | 26,788 | 269 |
| Crop inputs | 1,294 | 22 | 1,020 | 17 | 3,598 | 36 |
| Labour | 17,279 | 297 | 16,293 | 278 | 37,070 | 372 |
| Machinery | 8,922 | 154 | 9,492 | 162 | 21,404 | 215 |
| General | 6,200 | 107 | 5,370 | 92 | 11,880 | 119 |
| Land | 13,275 | 228 | 13,286 | 227 | 20,286 | 204 |
| TOTAL INPUTS | 55,906 | 962 | 56,135 | 960 | 121,026 | 1,216 |
| Add paid management | 0 | 0 | 0 | 0 | 3,443 | 35 |
| MII | -17.350 | -299 | -11.415 | -195 | -18.112 | -182 |
| NFI | -9,370 | -161 | 412 | 7 | -8,077 | -81 |
| ONI | -6,690 | -115 | 2,417 | 41 | -3,969 | -40 |
| Cash Income | -6,766 | -116 | 15,898 | 272 | 22,140 | 222 |

Outputs

Figure 12 shows that the identical sample of farms increased their livestock outputs and livestock subsidies by 13% and 14% respectively between 1997/98 and 1998/99; cropping outputs decreased, but were compensated by increases in miscellaneous and agri-environmental outputs, resulting in an overall improvement in total output of 15%.

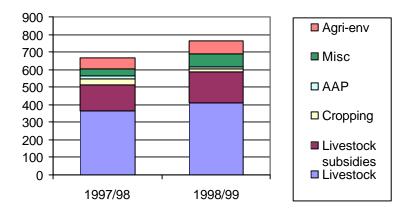
In 1997/98, livestock outputs made up 76% of total outputs on the group of five farms, and 72% on the larger group (see Figure 11), because of higher cropping outputs in the larger group.

Figure 11 Outputs and inputs, in categories, of nine organic lowland cattle and sheep farms (£/ha), full sample, 1998/99



Difference between columns represents MII.

Figure 12 Outputs, in categories, of five organic lowland cattle and sheep farms (£/ha), identical sample, 1997/98–1998/99



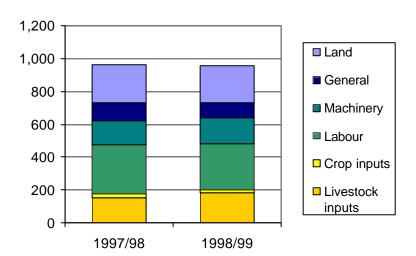


Figure 13 Inputs, in categories, of five organic lowland cattle and sheep farms (£/ha), identical sample, 1997/98 - 1998/99

Inputs

Figure 2 indicates that only 25% of inputs on the nine farms were variable inputs (21% in the identical group, see Figure 13); for both groups the largest category of inputs in 1998/99 was labour costs, at around 30% of inputs (including farmer and spouse labour and unpaid labour). Proportions of expenditure of different categories were similar in both groups in 1998/99, for the larger sample, variable costs were 25%, labour 31%, machinery 18%, general 10% and land costs 17% of total inputs.

For the identical sample (Figure 13), livestock and machinery costs increased in 1998/99 (19% and 6% respectively); other categories of costs reduced slightly, resulting in very similar total inputs for both years.

Incomes

Because of the increase in outputs and maintenance of input costs on the identical sample of farms, income measures improved between 1997/98 and 1998/99. Average MII was negative both years, but average NFI, ONI and Cash Income became positive in 1998/99. Three of the five farms had negative MII and NFI, only two had negative ONI, and all had positive Cash Incomes.

In the larger group (which included the identical group mentioned above) in 1998/98, average MII, NFI and ONI were negative. Within the group, seven of the farms returned negative MII, six negative NFI and four negative ONI; only one farm showed a negative Cash Income.

Discussion

These results confirm the poor results found in previous work (see reference on page 1). For the larger group of farms in 1998/99 livestock variable inputs were around 43% of outputs (excluding subsidies), and labour costs were 60% of livestock outputs. Despite improvements in total outputs, the inputs were too high to produce adequate returns; seven of the farms failed to achieve a positive return to tenants' capital.

9. LFA cattle and sheep farms

For results see Appendix 1, Table A5, page 52.

Sample

These LFA farms range in size from less than 50 ha UAA to one farm over 300 ha. One farm was classified as a mixed farm, but is presented with the LFA cattle and sheep farms as well as the mixed group (see Chapter 10) to bring the sample to five, and because of its hill characteristics. One other farm in this group had a small area in cash cropping. An identical sample of five farms was not available for both years, so results for 1997/98 are not presented.

Table 7 Summary results for five LFA organic farms (£/farm and £/ha), full sample, 1998/99

| | 1998/99 | |
|----------------------|---------|------|
| | £/farm | £/ha |
| Livestock outputs | 43,749 | 256 |
| Livestock subsidies | 33,082 | 193 |
| Cropping outputs | 20,303 | 119 |
| Arable area payments | 2,009 | 12 |
| Miscellaneous | 4,074 | 24 |
| Agri-env. payments | 5,238 | 31 |
| TOTAL OUTPUTS | 108,456 | 634 |
| Livestock inputs | 20,351 | 119 |
| Crop inputs | 11,524 | 67 |
| Labour | 17,090 | 100 |
| Machinery | 35,255 | 206 |
| General | 10,738 | 63 |
| Land | 13,187 | 77 |
| TOTAL INPUTS | 108,145 | 632 |
| Add paid management | 0 | 0 |
| MII | 311 | 2 |
|) TEX | 10.045 | |
| NFI | 12,267 | 72 |
| ONI | 16,451 | 96 |
| Cash Income | 26,768 | 156 |

Outputs

Livestock subsidies comprised 43% of total livestock outputs, and 31% of total outputs of these LFA farms in 1998/99. For the four farms surveyed in two years, livestock outputs for each category except sheep outputs increased in 1998/99.

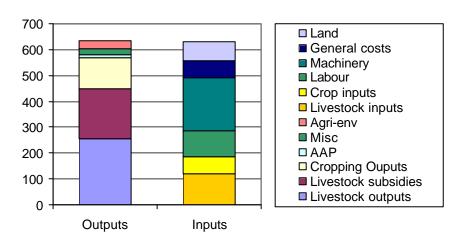


Figure 14 Outputs and inputs, in categories, of five LFA organic farms (£/ha), 1998/99

Difference between columns represents MII.

Inputs

Average input costs per hectare were around half those on lowland cattle and sheep farms, but the proportion of expenditure on machinery was greater on the LFA farms, accounting for 33% of total inputs. Labour costs were less than one third of costs on lowland farms, and only accounted for 16% of total inputs (Figure 14). An identical sample of four farms (not shown) indicated a 71% in increase in livestock inputs between 1997/98 and 1998/99, most of which related to more than doubling expenditure on feeds on each farm.

Incomes

Approximately equal average outputs and inputs on these farms resulted in a small positive average MII of £2/ha in 1998/99 (£311 per farm); however, three of the farms showed negative MII for 1998/99. NFI, ONI and Cash Incomes were positive on all farms, and the average ONI was £96/ha, £16,451 per farm.

Discussion

The identical sample of four farms is too small and heterogeneous to allow much information on trends of outputs, inputs or incomes to be gathered.

These results indicate that this sample of LFA organic cattle and sheep farms, whilst heavily dependent on subsidies, was able to achieve profitability in 1998/99. As on lowland cattle and sheep farms, livestock variable inputs amount to a high proportion of direct livestock outputs (46% excluding subsidies).

10. Mixed farms

For detailed results see Appendix 1, Table A6, page 55.

Sample

Data are presented from an identical sample of five farms for 1997/98 and 1998/99. The sample comprises four cropping, cattle and sheep farms, and one cropping and dairy farm. All farms had cattle and sheep enterprises, all had breeding sheep, and four had suckler cows. One farm had other livestock enterprises, and one was within an LFA. The farms were from a wide geographic spread, including north, south, east and central England and Wales. The farms ranged from 40 to over 500ha, and from 14 to 235 ESUs.

Table 8 Summary data for five organic mixed farms (£/farm and £/ha), identical sample, 1997/98–1998/99

| | 1997/98 | | 1998/99 | |
|----------------------|---------|------|---------|------|
| | £/farm | £/ha | £/farm | £/ha |
| Livestock outputs | 74,812 | 288 | 82,964 | 325 |
| Livestock subsidies | 16,631 | 64 | 20,638 | 81 |
| Cropping outputs | 76,626 | 295 | 64,910 | 254 |
| Arable area payments | 22,459 | 86 | 20,041 | 78 |
| Miscellaneous | 14,487 | 56 | 6,825 | 27 |
| Agri-env. payments | 3,645 | 14 | 3,303 | 13 |
| TOTAL OUTPUTS | 208,661 | 802 | 198,681 | 777 |
| Livestock inputs | 19,182 | 74 | 28,110 | 110 |
| Crop inputs | 15,080 | 58 | 17,823 | 70 |
| Labour | 55,499 | 213 | 54,803 | 214 |
| Machinery | 51,867 | 199 | 56,361 | 220 |
| General | 18,838 | 72 | 17,308 | 68 |
| Land | 34,888 | 134 | 34,226 | 134 |
| TOTAL INPUTS | 195,353 | 751 | 208,630 | 816 |
| Add paid management | 3,326 | 13 | 4,902 | 19 |
| MII | 16,633 | 64 | -5,047 | -20 |
| NFI | 22,571 | 87 | 3,869 | 15 |
| ONI | 30,137 | 116 | 8,783 | 34 |
| Cash Income | 34,244 | 132 | 28,129 | 110 |

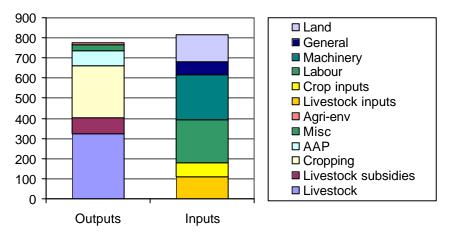
Outputs

Livestock outputs accounted for 52% of total farm outputs in 1998/99, and cropping accounted for 43% of total outputs. Between 1997/98 and 1998/99, whole farm livestock outputs increased, by 11% for direct outputs, and 24% for livestock subsidies. Despite an increase in average area under cereals and cash cropping, whole-farm cropping outputs dropped by 15% in 1998/99, and area

payments dropped by 11%. Average total farm outputs dropped by 5% from nearly £208,630 to £195,353 in 1998/99; individual outputs dropped on three farms, increased slightly on one and was maintained at the same level by the fifth.

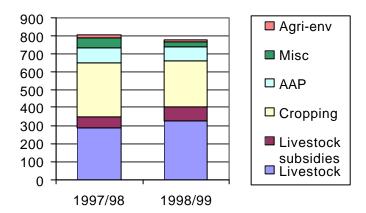
Two of the farms received agri-environmental payments, in both cases this included Organic Aid payments.

Figure 15 Outputs and inputs, in categories, on five organic mixed farms (£/ha), 1998/99



Difference between columns represents MII.

Figure 16 Outputs, in categories, of five mixed farms (£/ha), 1997/98 – 1998/99



Inputs

Labour and machinery inputs accounted for 26% and 27% of inputs respectively in 1998/99, and variable costs accounted for 21% of inputs (see Figure 17). Average whole-farm livestock inputs increased by 47% and cropping inputs by 18% in 1998/99; only general costs were reduced in the second year, and overall inputs were up by 7%.

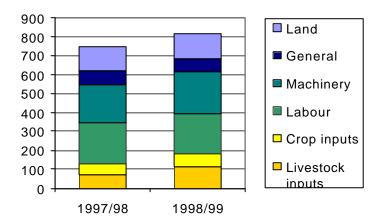


Figure 17 Inputs, in categories, of five mixed farms (£/ha), 1997/98 – 1998/99

Incomes

The combination of average reduced outputs and increased inputs reduced all income measures in 1998/99 compared with the previous year, resulting in an average negative MII of £5,047 per farm (-£20/ha) in 1998/99 (see Table 8 and Figure 15); this figure reflects negative MIIs on three of the five farms. Average NFI, ONI and Cash Income was positive, and individual NFI, ONI and Cash Incomes were positive for four of the five farms.

Discussion

Variable livestock costs were 34% of direct livestock outputs, and variable cropping costs were 27% of direct cropping outputs in 1998/99.

The two largest farms in the group achieved positive returns on tenants' capital.

The change in average ESU between years resulted from changes in cropping on one of the farms. This change also accounts for a 44% reduction in cropping outputs from that farm between 1997/98 and 1998/99, which, in turn, decreased the average cropping output.

11. Gross margins

Tables 9 to 20 present gross margin results for specific livestock and crop enterprises from the organic study farms from 1995/96 to 1998/99. Gross margin figures are for certified organic enterprises, but may include livestock sold at conventional prices. It should also be noted that the gross margin tables do not necessarily contain data from the same farms in all years.

Where gross margin data are not shown for crops in some years, it is because less than five farms in the study grew the crops in those years, or data were insufficiently reliable.

Separate gross margin tables are presented for four years of results for suckler cows (Table 10), separate results for lowland and LFA suckler cow enterprises for 1998/99 (Table 11), finishing beef (Table 12) and for lowland (Table 13) and upland sheep (Table 14).

Care should be taken in assessing the suckler and finishing beef gross margins with standard farm management projections. Some 24-month beef figures base the costs on the purchase of weaned calves at market, whereas the figures in Table 12 assume calves taken in at 12 months (at market price) from the suckler enterprise. Therefore, the suckler enterprise (Table 10) carries the costs of rearing the calves to 12 months, and is credited with the greater value (based on market price) of their transfer to the beef enterprise at that point. As different systems are employed on each farm, assumptions were made concerning the split of feed and veterinary costs to the different cattle enterprises. These assumptions are listed in the tables.

Dairy

Results shown here are from commercial organic dairy farms, including results from mixed farms and lowland cattle and sheep farms with dairy enterprises. It is not an identical sample of farms in each year.

Changes in livestock purchases and sales and transfers, together with increased expenditure on quota in 1998/98 account for most of the reduction in average output in 1998/99 compared with 1997/98.

Compared with 1997/98, increased expenditure on concentrates equates to the slight increase in amount fed per cow but increased dairy other livestock costs accounts for more than half of the increase in variable costs.

Table 9 Dairy gross margins (£/cow), 1996/97 – 1998/99

| | 1996/97 | 1997/98 | 1998/99 | 1996 | 8/99 |
|---|---------|---------|---------|----------|----------------------|
| | | | | Low 50%1 | Top 50% ¹ |
| No. of farms | 9 | 9 | 9 | 5 | 5 5 |
| Size of dairy herd - average number | 125 | 126 | 102 | 115 | 83 |
| Milk yield (litres per cow) | 5,227 | 5,510 | 5,439 | 5,525 | 5,442 |
| L.U. per forage hectare | 1.5 | 1.6 | 1.4 | 1.5 | 1.4 |
| Milk disposals/yield (pence per litre) | 28.0 | 29.4 | 29.3 | 29.2 | 29.8 |
| Milk disposals ² | 1,465 | 1,620 | 1,596 | 1,614 | 1,623 |
| Sales and transfers out - calves | 75 | 87 | 54 | 57 | 52 |
| Sales and transfers out - bulls and cows | 84 | 170 | 59 | 66 | 50 |
| Net milk quota | 22 | -37 | -58 | -123 | 0 |
| Valuation change | 0 | -6 | 76 | 106 | 35 |
| Less: purchases and transfers in | 156 | 163 | 171 | 217 | 120 |
| Total outputs | 1,489 | 1,671 | 1,556 | 1,503 | 1,641 |
| Concentrates | 209 | 163 | 206 | 230 | 165 |
| Purchased bulk feed | 18 | 7 | 7 | 12 | 3 |
| Stock keep | 1 | 0 | 0 | 0 | 0 |
| Veterinary and medicines | 35 | 36 | 33 | 40 | 30 |
| Other livestock costs - dairy | 142 | 163 | 216 | 251 | 218 |
| Total variable costs | 406 | 369 | 462 | 533 | 416 |
| Gross margin before forage costs | 1,083 | 1,301 | 1,094 | 970 | 1,225 |
| Gross margin including forage costs | 1,045 | 1,260 | 1,034 | 911 | 1,167 |
| Margin over concentrates | 1,255 | 1,448 | 1,390 | 1,384 | 1,458 |
| Concentrates (t/cow) | 1.09 | 0.94 | 1.18 | 1.34 | 0.91 |
| Forage variable costs to dairy | 38 | 41 | 60 | 59 | 59 |

^{1.} Selected by gross margin before forage costs

^{2.}Including milk to calves and farmhouse

The result of average decreased outputs and increased inputs was a 15% drop in gross margin before forage costs. Combined with the reduction in stocking rate, average gross margins per ha declined by 27% in 1998/99 compared with the previous year.

The farms with dairy enterprises in the top 50% by gross margin before forage costs were well-established organic farms; the bottom 50% includes farms that had recently converted and one farm that had very high quota leasing costs.

| | 1995/96 | 1996/97 | 1997/98 | 1998/99 | 1998/99 | |
|-------------------------------------|---------|---------|---------|-----------|---------|------------------|
| | Averag | Averag | Averag | Averag | Low28%* | <i>Top 28%</i> * |
| | e | e | e | e | | |
| No. of farms | 20 | 21 | 18 | 18 | 5 | 5 |
| No. of cows | 36 | 39 | 42 | 39 | 29 | 85 |
| Forage costs/LU | 41 | 24 | 35 | 42 | 42 | 42 |
| Subsidies (1) | 110 | 177 | 183 | 208 | 182 | 222 |
| Sales/transfers out (2) | 267 | 261 | 167 | 203 | 197 | 311 |
| Cull stock (3) | 77 | 54 | 34 | 57 | 56 | 33 |
| Replacement/transfers in | -157 | -115 | -65 | -73 | -105 | 113 |
| Valuation changes | 28 | 28 | 39 | -15 | -12 | -84 |
| Total outputs | 326 | 406 | 358 | 380 | 318 | 595 |
| Feed (4) | 17 | 58 | 29 | 49 | 86 | 48 |
| Veterinary and Medicines (5) | 10 | 13 | 16 | 14 | 15 | 5 |
| Sundry (5) | 30 | 26 | 25 | 27 | 37 | 24 |
| Total variable costs | 58 | 97 | 70 | 91 | 138 | 77 |
| Gross margin before forage costs | 268 | 309 | 288 | 289 | 180 | 518 |
| Gross margin including forage costs | 224 | 272 | 252 | 268 | 150 | 485 |
| Allocatable forage costs/cow (6) | 44 | 37 | 36 | 21 | 30 | 33 |

^{*} Selected by gross margin before forage costs

Assumptions and notes:

- 1. SCP and HLCA, 1st BSPS
- 2. Calf and weaner sales and transfers out at 12 months
- 3. Cow and Bull sales
- 4. Feed split 80:20 finishing beef:suckler cows
- 5. Costs split on a livestock unit basis (finishing beef:suckler cows)
- 6. Forage costs include forage costs to calves to 12 months.

An average in crease in subsidies, sales and transfers out, and cull stock in 1998/99 compared with 1997/98 balanced higher replacement costs and negative valuation changes. However, feed costs increased, but not to the level of 1996/97 costs and sundry costs remained at a similar level, overall resulting in a similar average gross margin to the previous year. Forage costs were lower in 1998/99. Table 11 shows the clear contrast in subsidy receipts on LFA and lowland farms, but also indicates higher average sales per cow on the LFA farms. Feed, veterinary and medicine and sundry costs were higher, and forage costs lower, on the LFA farms, but the gross margin on the LFA farms was higher both including and excluding forage costs. Average finishing beef output was also reduced because of a greater reduction in subsidies and higher transfers in, compared with the higher sales/transfers out. Average sundry costs also increased sharply compared with 1997/98, to give the lowest average gross margin per head.

Table 11 Suckler cows gross margins, lowland and LFA (£/cow), 1998/99

| | 1998/99 | 1998/99 |
|-------------------------------------|---------------|------------|
| | Average of | Average of |
| | lowland farms | LFA farms |
| No. of farms | 11 | 7 |
| No. of cows | 38 | 40 |
| Forage costs/LU | 42 | 42 |
| Subsidies (1) | 184 | 247 |
| Sales/transfers out (2) | 186 | 228 |
| Cull stock (3) | 55 | 60 |
| Replacement/transfers in | -4 | -181 |
| Valuation changes | -67 | 66 |
| Total outputs | 354 | 420 |
| Feed (4) | 40 | 64 |
| Veterinary and Medicines (5) | 10 | 22 |
| Sundry (5) | 24 | 31 |
| Total variable costs | 74 | 117 |
| Gross margin before forage costs | 280 | 303 |
| Gross margin including forage costs | 254 | 290 |
| Allocatable forage costs/cow (6) | 26 | 13 |

^{*} Selected by gross margin before forage costs

Assumptions and notes:

- 1. SCP and HLCA, 1st BSPS
- 2. Calf and weaner sales and transfers out at 12 months
- 3. Cow and Bull sales
- 4. Feed split 80:20 finishing beef:suckler cows
- 5. Costs split on a livestock unit basis (finishing beef:suckler cows)
- 6. Forage costs include forage costs to calves to 12 months.

Table 12 Finishing beef gross margins (£/head), 1995/96 – 1998/99

| | 1995/96 | 1996/97 | 1997/98 | 1998/99 | 199 | 8/99 |
|-------------------------------------|---------|---------|---------|---------|----------|---------|
| | Average | Average | Average | Average | Low 38%* | Top38%* |
| No. of farms | 12 | 14 | 12 | 13 | 5 | 5 |
| Enterprise size (head) | 39 | 40 | 33 | 38 | 24 | 39 |
| Forage costs/LU | 18 | 26 | 27 | 29 | 27 | 32 |
| Subsidies | 65 | 106 | 77 | 43 | 29 | 55 |
| Sales/transfers | 534 | 592 | 486 | 527 | 409 | 643 |
| Transfers/transfers in | -254 | -202 | -229 | -284 | -278 | -300 |
| Valuation changes | 4 | -57 | 48 | 41 | 37 | 46 |
| Total outputs | 349 | 439 | 382 | 327 | 197 | 445 |
| Feed (1) | 79 | 134 | 79 | 81 | 67 | 92 |
| Veterinary and medicines (2) | 7 | 9 | 11 | 12 | 16 | 8 |
| Sundry (2) | 34 | 33 | 22 | 40 | 31 | 35 |
| Total variable costs | 120 | 176 | 112 | 133 | 113 | 134 |
| Gross margin before forage costs | 229 | 263 | 270 | 194 | 83 | 310 |
| Gross margin including forage costs | 210 | 246 | 255 | 174 | 55 | 297 |
| Allocatable forage costs/head | 19 | 18 | 15 | 20 | 29 | 13 |

^{*} Selected by gross margin before forage costs

Assumptions and notes:

- 1. Feed split 80:20 finishing beef:suckler cows
- 2. Costs split on a livestock unit basis (finishing beef:suckler cows)

Sheep

The sample for lowland farms includes farms with direct sales; on those farms the final price received has been recorded, and on-farm direct costs of sales included in sundry inputs. Increased subsidies and sales were balanced by a negative valuation changes to bring a very slight increase in average output per ewe in 1998/99. An increase in feed and sundry costs caused an average increase of over £4 in inputs per ewe, and average reductions in gross margins including and excluding forage costs. Average output per upland ewe increased in 1998/99 because of increased subsidies, that balanced reduced prices for cull stock and wool. Average variable costs for upland ewes were lower in 1998/99 than in the previous two years.

Table 13 Lowland farms, breeding sheep gross margins (£/ewe), 1995/96 – 1998/99

| | | | 1997/98 | | | 08/99 |
|-------------------------------------|---------|-------------|---------|---------|----------|----------|
| | Average | Average | Average | Average | Low 45%* | Top 45%* |
| No. of farms | 17 | 17 | 15 | 11 | 5 | 5 |
| No. of Ewes | 213 | 208 | 213 | 170 | 148 | 198 |
| Forage costs/LU | 32 | 12 | 15 | 22 | 16 | 21 |
| Rearing % | n/a | 111 | 142 | 123 | 106 | 138 |
| ~ | • • • | | 1.0 | 4 | 4.50 | |
| Subsidies | 21.8 | 15.1 | 13.0 | 17.3 | 16.9 | 17.4 |
| Sales/transfers | 53.9 | 60.8 | 42.9 | 49.8 | 33.3 | 65.1 |
| Cull stock | 8.5 | 7.0 | 6.7 | 6.5 | 4.7 | 8.9 |
| Wool | 4.0 | 3.8 | 3.3 | 3.1 | 4.7 | 1.7 |
| Replacement | -5.4 | -6.7 | -9.8 | -6.0 | -7.0 | -3.5 |
| Valuation changes | 2.7 | -1.7 | 10.8 | -2.5 | -6.5 | 1.1 |
| Total output | 85.4 | 78.3 | 66.9 | 68.2 | 46.1 | 90.6 |
| Feed | 10.0 | 11.7 | 9.7 | 12.0 | 10.0 | 13.8 |
| Vet & med | 3.3 | 3.6 | 4.5 | 4.1 | 3.5 | 4.0 |
| Sundry | 5.2 | 5.5 | 5.0 | 7.6 | 7.2 | 8.3 |
| Total variable costs | 18.6 | 20.8 | 19.2 | 23.7 | 20.7 | 26.1 |
| Gross margin before forage costs | 66.8 | 57.5 | 47.6 | 44.5 | 25.4 | 64.5 |
| Gross margin including forage costs | 62.1 | 55.8 | 45.6 | 42.1 | 23.6 | 62.3 |
| Allocatable forage costs/ewe | 4.8 | 1.5 | 2.0 | 2.4 | 1.8 | 2.3 |

^{*} Selected by gross margin before forage costs

Table 14 Upland farms, breeding sheep gross margins (£/ewe), 1995/96 – 1998/99

| | 1995/96 | 1996/97 | 1997/98 | 1998/99 |
|-------------------------------------|---------|---------|---------|---------|
| | Average | Average | Average | Average |
| Farm No | 7 | 10 | 10 | 7 |
| No. of Ewes | 440 | 443 | 356 | 519 |
| Forage costs/LU | 16 | 19 | 31 | 12 |
| Rearing % | n/a | 109 | 104 | 111 |
| Output | | | | |
| Subsidies | 30.5 | 23.7 | 21.8 | 31.7 |
| Sales/transfers | 24.0 | 33.2 | 36.5 | 28.5 |
| Cull stock | 3.3 | 6.2 | 7.9 | 3.4 |
| Wool | 2.4 | 2.0 | 2.2 | 1.8 |
| Replacement | -3.0 | -4.5 | -4.7 | -3.6 |
| Valuation changes | 2.4 | 2.4 | 2.0 | 7.7 |
| Total output | 59.5 | 63.0 | 65.8 | 69.5 |
| Variable costs | | | | |
| Feed | 3.2 | 6.5 | 6.1 | 5.5 |
| Vet & med | 3.3 | 2.7 | 3.2 | 2.0 |
| Sundry | 2.5 | 3.0 | 3.0 | 2.6 |
| Total variable costs | 9.0 | 12.2 | 12.3 | 10.1 |
| Gross margin before forage costs | 50.6 | 50.8 | 53.4 | 59.4 |
| Gross margin including forage costs | 45.7 | 49.0 | 50.4 | 56.0 |
| Allocatable forage costs/ewe | 4.8 | 1.8 | 3.0 | 3.4 |

^{*} Selected by gross margin before forage costs

Crops

Twenty-one different crop enterprise gross margins were collected, but few crops had sufficient samples to validate results. Gross margins are presented for six crops for the 1998/99 harvest year. It should be noted that the gross margin figures for the different enterprises on different years are not necessarily from the same farms. There was no clear pattern in yield changes between 1997 and 1998 crop harvests over the different enterprises. The data exclude subsidy income to enable production factors and price trends to be studied in isolation from subsidy income. For conversion to actual enterprise gross margins the relevant subsidy level can be added. The gross margin trends for crop enterprises are strongly influenced by the combination of yield levels and price received.

Table 15 Gross margins for winter wheat (£/ha), 1995/96 – 1998/99

| | 1995/96 | 1996/97 | 1997/98 | 1998/99 | 1998 | 3/99 |
|-----------------------------|---------|---------|---------|---------|---------|----------------|
| | Average | Average | Average | Average | Low 36% | <i>Top 36%</i> |
| No of farms | 13 | 12 | 13 | 14 | 5 | 5 |
| Size (ha) | 37 | 36 | 39 | 21 | 14 | 40 |
| Yield (t/ha) | 3.7 | 4.6 | 4.0 | 3.6 | 2.0 | 4.2 |
| Value (£/t) | 217 | 217 | 180 | 191 | 177 | 194 |
| Total outputs | 806 | 991 | 716 | 694 | 353 | 818 |
| Seeds | 50 | 57 | 46 | 64 | 55 | 69 |
| Fertilisers | 4 | 4 | 0 | 2 | 0 | 0 |
| Sprays | 1 | 0 | 0 | 0 | 0 | 0 |
| Other | 3 | 2 | 3 | 3 | 0 | 4 |
| Total variable costs | 58 | 62 | 49 | 69 | 55 | 73 |
| Gross margin | 748 | 929 | 667 | 624 | 298 | 745 |

Table 16 Gross margins for spring wheat (£/ha), 1995/96 – 1998/99

| | 1995/96 | 1996/97 | 1997/98 | 1998/99 | 199 | 98/99 |
|-----------------------------|---------|---------|---------|---------|---------|----------------|
| | Average | Average | Average | Average | Low 50% | <i>Top 50%</i> |
| No of farms | 6 | 7 | 7 | 10 | 5 | 5 |
| Size (ha) | 12 | 21 | 17 | 21 | 20 | 22 |
| Yield (t/ha) | 2.7 | 3.0 | 3.3 | 3.1 | 2.5 | 3.6 |
| Value (\pounds/t) | 214 | 204 | 176 | 179 | 179 | 178 |
| Total outputs | 583 | 608 | 577 | 553 | 453 | 647 |
| Seeds | 54 | 68 | 58 | 71 | 68 | 74 |
| Fertilisers | 0 | 1 | 2 | 0 | 0 | 0 |
| Sprays | 0 | 2 | 4 | 5 | 11 | 0 |
| Other | 0 | 2 | 11 | 6 | 0 | 12 |
| Total variable costs | 54 | 72 | 75 | 83 | 79 | 86 |
| Gross margin | 528 | 535 | 635 | 470 | 374 | 561 |

Table 17 Gross margins for winter oats (£/ha), 1995/96 and 1998/99

| | 1995/96 | 1998/99 |
|-----------------------------|---------|---------|
| No of farms | 9 | 6 |
| Size (ha) | 12 | 18 |
| Yield (t/ha) | 3.8 | 4.2 |
| Value (£/t) | 155 | 153 |
| Total outputs | 584 | 634 |
| Seeds | 58 | 54 |
| Fertilisers | 6 | 0 |
| Sprays | 2 | 0 |
| Other | 2 | 0 |
| Total variable costs | 68 | 54 |
| Gross margin | 516 | 580 |

Table 18 Gross margins for spring oats (£/ha), 1995/96 – 1996/97 and 1998/99

| | 1995/96 | 1996/97 | 1998/99 |
|-----------------------------|---------|---------|---------|
| No of farms | 7 | 5 | 7 |
| Size (ha) | 21 | 17 | 12 |
| Yield (t/ha) | 3.8 | 4.0 | 3.9 |
| Value (£/t) | 157 | 153 | 167 |
| Total outputs | 596 | 615 | 648 |
| Seeds | 60 | 65 | 60 |
| Fertilisers | 24 | 15 | 0 |
| Sprays | 2 | 0 | 0 |
| Other | 29 | 2 | 3 |
| Total variable costs | 115 | 83 | 63 |
| Gross margin | 481 | 532 | 585 |

Table 19 Gross margins for spring barley (£/ha), 1996/97 and 1998/99

| | 1996/97 | 1998/99 |
|-----------------------------|---------|---------|
| No of farms | 6 | 6 |
| Size (ha) | 6 | 7 |
| Yield (t/ha) | 3.7 | 3.2 |
| Value (£/t) | 174 | 175 |
| Total outputs | 650 | 563 |
| Seeds | 62 | 54 |
| Fertilisers | 0 | 0 |
| Sprays | 0 | 0 |
| Other | 1 | 0 |
| Total variable costs | 63 | 54 |
| Gross margin | 587 | 509 |

Table 20 Gross margins for potatoes (£/ha), 1996/97 and 1998/99

| | 1996/97 | 1998/99 | 1998/99 | | |
|-----------------------------|---------|---------|---------------|---------|--|
| | Average | Average | <i>Low45%</i> | Top 45% | |
| No of farms | 6 | 11 | 5 | 5 | |
| Size (ha) | 4 | 11 | 10 | 3 | |
| Yield (t/ha) | 24.5 | 16 | 11.2 | 30.9 | |
| Value (£/t) | 216 | 331 | 256 | 382 | |
| Total outputs | 5,298 | 5,252 | 2,868 | 11,821 | |
| Seeds | 858 | 550 | 606 | 526 | |
| Fertilisers | 56 | 62 | 75 | 42 | |
| Sprays | 69 | 49 | 62 | 31 | |
| Casual labour | 72 | 135 | 113 | 0 | |
| Other | 379 | 169 | 245 | 55 | |
| Total variable costs | 1,434 | 965 | 1,101 | 654 | |
| Gross margin | 3,864 | 4,287 | 1,767 | 11,167 | |

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Appendices

Appendix 1 Detailed farm results

Table A1. Results of organic cropping farms

| | | | Identical : | sample | |
|----------------|--------------------------------|---------|-------------|---------|-------|
| | _ | 1997 | /98 | 1998/9 | 9 |
| No of Farms | | 5 | | 5 | |
| ESU per farm | | 85 | | 86 | |
| _ | icultural area (effective ha) | 129 | | 130 | |
| Area organic | or in conversion. (%) | 84 | | 96 | |
| OUTPUTS, | INPUTS & INCOMES | £/farm | £/ha | £/farm | £/ha |
| OUTPUTS | | | | | |
| Dairy | output | 0 | 0 | 0 | 0 |
| | net quota | 0 | 0 | 0 | 0 |
| Other cattle | output | 15,929 | 123 | 22,443 | 173 |
| | subsidies | 9,709 | 75 | 6,692 | 52 |
| Sheep - | output | 4,532 | 35 | 5,110 | 39 |
| | subsidies | 947 | 7 | 1,693 | 13 |
| Other livesto | ck | 417 | 3 | 437 | 3 |
| Main crops | output | 89,997 | 697 | 108,970 | 841 |
| | subsidies | 19,867 | 154 | 18,040 | 139 |
| By-products, | forage and cultivations | 146 | 1 | 1,493 | 12 |
| | subsidies (set-aside) | 1,928 | 15 | 1,713 | 13 |
| Miscellaneou | S | 4,713 | 37 | 6,695 | 52 |
| | - organic grants | 1,367 | 11 | 1,708 | 13 |
| | - other agri-env.payments | 1,021 | 8 | 1,708 | 13 |
| | TOTAL OUTPUTS | 150,572 | 1,167 | 176,702 | 1,363 |
| INPUTS | | | | | |
| Feeds | purchased concentrates | 2,166 | 17 | 2,804 | 22 |
| | homegrown concentrates | 1,924 | 15 | 2,166 | 17 |
| Purchased for | lder, Tack and stock keep | 2,769 | 21 | 397 | 3 |
| Veterinary an | - | 952 | 7 | 1,003 | 8 |
| Other livestoo | ck costs | 3,548 | 27 | 2,485 | 19 |
| Seeds - | purchased and homegrown | 8,528 | 66 | 9,369 | 72 |
| Fertilisers | - | 2,036 | 16 | 1,146 | 9 |
| Crop protecti | on | 2,604 | 20 | 1,686 | 13 |
| Other crop co | | 2,911 | 23 | 3,413 | 26 |
| Labour | farmer & spouse (manual only) | 8,930 | 69 | 7,600 | 59 |
| | paid incl. paid management | 33,863 | 262 | 43,791 | 338 |
| | unpaid | 0 | 0 | 0 | 0 |
| | casual | 860 | 7 | 192 | 1 |
| Machinery | contract | 5,853 | 45 | 7,451 | 57 |
| - | repairs | 10,106 | 78 | 8,276 | 64 |
| | fuels | 3,273 | 25 | 3,161 | 24 |
| | depreciation | 8,877 | 69 | 16,894 | 130 |
| General farm | ing costs | 14,270 | 111 | 12,294 | 95 |
| Land expense | s | 3,155 | 24 | 3,473 | 27 |
| Rent | | 8,612 | 67 | 10,397 | 80 |
| Rental value | _ | 10,863 | 84 | 10,592 | 82 |
| | TOTAL INPUTS | 136,102 | 1,054 | 148,589 | 1,147 |
| Add back ma | nagerial input of paid manager | 3,240 | 25 | 3,400 | 26 |
| MANAGEMI | ENT AND INVESTMENT INCOME | 17,711 | 137 | 31,513 | 243 |
| Add back fari | mer and spouse labour | 8,930 | 69 | 7,600 | 59 |
| | gerial input of paid manager | 3,240 | 25 | 3,400 | 26 |
| | INCOME (inc. BLSA) | 23,401 | 181 | 35,713 | 276 |
| | INCOME (excl. BLSA) | 23,401 | 181 | 36,374 | 281 |

Table A1. Results of organic cropping farms

| | 1997 | //98 | 1998/9 | 9 |
|---|---------|-------|---------|-------|
| INCOME MEASURES | £/farm | £/ha | £/farm | £/ha |
| NET FARM INCOME (excl. BLSA) | 23,401 | 181 | 36,374 | 281 |
| plus net rental value/imputed rent | 10,370 | 80 | 10,592 | 82 |
| minus occupier's expenses | 45 | 0 | 508 | 4 |
| minus interest payments | 3,474 | 27 | 4,286 | 33 |
| minus buildings & works depreciation | 3,998 | 31 | 3,891 | 30 |
| OCCUPIER'S NET INCOME | 26,253 | 203 | 38,281 | 295 |
| plus other imputed charges | 1,600 | 12 | 0 | 0 |
| plus fixed asset depreciation | 15,639 | 121 | 18,749 | 145 |
| minus valuation changes | -699 | -5 | -480 | -4 |
| CASH INCOME | 44,191 | 342 | 57,510 | 444 |
| TENANT'S CAPITAL - £ per farm | £/farm | £/ha_ | £/farm | £/ha |
| Machinery | 85,703 | 664 | 100,986 | 779 |
| Livestock | 49,235 | 381 | 48,344 | 373 |
| Crops | 44,385 | 344 | 34,043 | 263 |
| Stores | 5,052 | 39 | 7,582 | 59 |
| TOTAL | 184,375 | 1,428 | 190,954 | 1,473 |
| PERFORMANCE INDICATORS | | | | |
| Stocking rate (LU per eff.ha) | | 0.6 | | 0.6 |
| GLU/forage effective hectare* | | 1.6 | | 1.5 |
| Owner Equity (%) | | 88.9 | | 89.0 |
| ONI/Net worth (%) | | 6.0 | | 8.2 |
| Return on tenant's capital (%) | | 9.6 | | 16.5 |
| Return on all capital (%) | | 5.3 | | 8.0 |
| Annual labour units | | 3.2 | | 5.2 |
| of which farmer & spouse | | 0.8 | | 0.9 |
| LAND UTILISATION - hectares per farm | | ha | | ha |
| Cereals and cash crops | | 77.7 | | 74.7 |
| Roots, fodder and other crops | | 0.6 | | 1.4 |
| Total grassland | | 45.0 | | 45.3 |
| Fallow, land let and set aside | | 5.9 | | 8.1 |
| Rough grazing - sole (Effective ha) | | 0.0 | _ | 0.0 |
| Utilisable agricultural area (Effective ha) | | 129.1 | | 129.6 |
| Rough grazing - common (Effective ha) | | 0.0 | | 0.0 |
| Woods, roads and buildings | _ | 10.0 | _ | 10.0 |
| TOTAL AREA (Actual ha) | | 139.1 | | 140.1 |
| Effective forage area (ha) | | 45.2 | | 47.7 |

 $[\]boldsymbol{*}$ for organic farms, pigs, poultry and other livestock are deemed to be grazing livestock

Table A1. Results of organic cropping farms

| | 199 | 1997/98 | | 1998/99 | | |
|--------------------------------------|---------|---------|---------|---------|--|--|
| LIVESTOCK CARRIED - per farm | , | | • | | | |
| | Average | | Average | | | |
| | Number | LU | Number | LU | | |
| Dairy cows | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Beef cows | 31.4 | 24.1 | 33.0 | 24.8 | | |
| Other cattle | 72.6 | 36.7 | 67.3 | 36.4 | | |
| Breeding sheep | 72.4 | 7.9 | 71.2 | 6.6 | | |
| Other sheep | 63.3 | 2.7 | 100.6 | 4.0 | | |
| Pigs | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Poultry | 0.0 | 0.0 | 60.0 | 0.2 | | |
| Other livestock | 0.0 | 0.0 | 0.0 | 0.0 | | |
| TOTAL (L.U.) | | 71.4 | | 71.9 | | |
| ASSETS - £ per farm | Opening | Closing | Opening | Closing | | |
| • | Value | Value | Value | Value | | |
| Land and Property | 239,025 | 238,673 | 238,673 | 238,671 | | |
| Buildings, improvements and fixtures | 20,912 | 23,217 | 23,217 | 28,705 | | |
| Machinery | 73,361 | 98,046 | 98,046 | 103,926 | | |
| Livestock | 48,877 | 49,593 | 46,532 | 50,155 | | |
| Produce and goods in store | 55,922 | 42,955 | 43,736 | 39,514 | | |
| Quotas | 4,274 | 3,726 | 3,726 | 4,447 | | |
| Credit balances | 65,147 | 37,611 | 40,734 | 55,816 | | |
| TOTAL | 507,516 | 493,821 | 494,664 | 521,233 | | |
| EXTERNAL LIABILITIES | | | | | | |
| Long and medium term loans | 52,066 | 39,611 | 41,297 | 35,620 | | |
| Short term loans | 7,286 | 12,408 | 9,781 | 10,338 | | |
| Overdrafts | 4,429 | 2,702 | 4,512 | 11,234 | | |
| TOTAL | 63,781 | 54,722 | 55,590 | 57,191 | | |
| NET WORTH | 443,734 | 439,099 | 439,074 | 464,042 | | |

Table A2. Results of organic horticultural holdings

| No of Farms | | _ | 1998/9 | 9 |
|--|----------------|--------------------------------|---------------------------------------|-------|
| Utilisable agricultural area (effective ha) 9 Area organic or in conversion. (%) 100 OUTPUTS, INPUTS & INCOMES £/farm £/ha OUTPUTS Dairy output 0 0 net quota 0 0 0 Other cattle output 140 16 subsidies 90 10 0 Sheep - output 79 9 0 Min crops output 59,415 6,705 8 0 0 0 Other livestock 242 27 Amin crops output 59,415 6,705 6 0 | | | | |
| Area organic or in conversion. (%) £/farm £/ha OUTPUTS E/farm £/ha OUTPUTS Dairy output 0 0 0 cher cattle output 140 16 16 Sheep - output 79 9 9 10 Sheep - output 79 9 9 10 <t< td=""><td></td><td></td><td></td><td></td></t<> | | | | |
| OUTPUTS, INPUTS & INCOMES £/farm £/ha OUTPUTS 0 0 0 Dairy output 0 0 0 Other cattle output 140 16 subsidies 90 10 Sheep - output 79 9 9 10 | _ | | | |
| OUTPUTS Dairy output 0 0 Other cattle output 140 16 subsidies 90 10 Sheep - output 79 9 subsidies 0 0 Other livestock 242 27 Main crops output 59,415 6,705 subsidies 0 0 0 By-products, forage and cultivations 90 10 subsidies (set-aside) 0 0 0 Miscellaneous 1,316 148 - organic grants 171 19 - organic grants 171 19 - other agri-env.payments 0 0 0 TOTAL OUTPUTS 61,545 6,945 6,945 INPUTS Feeds purchased concentrates 577 65 homegrown concentrates 0 0 0 Veterinary and medicines 44 5 Other livestock | Area organic | or in conversion. (%) | 100 | |
| Dairy output 0 0 Other cattle output 140 16 subsidies 90 10 Sheep - output 79 9 Subsidies 0 0 Other livestock 242 27 Main crops output 59,415 6,705 subsidies 90 10 By-products, forage and cultivations 90 10 subsidies (set-aside) 0 0 Miscellaneous 1,316 148 - organic grants 171 19 - other agri-env.payments 0 0 TOTAL OUTPUTS 61,545 6,945 INPUTS Feeds purchased concentrates 577 65 homegrown concentrates 5 0 0 Veterinary and medicines 44 5 Other livestock costs 271 31 Seeds - purchased and homegrown 6,550 739 Fertilisers <td>OUTPUTS,</td> <td>INPUTS & INCOMES</td> <td>£/farm</td> <td>£/ha</td> | OUTPUTS, | INPUTS & INCOMES | £/farm | £/ha |
| Other cattle output output subsidies 140 16 Sheep - output subsidies 90 10 Sheep - output subsidies 0 0 Other livestock subsidies 242 27 Main crops output subsidies 59,415 6,705 Subsidies (set subsidies 0 0 By-products, forage and cultivations subsidies (set-aside) 90 10 Miscellaneous roganic grants other agri-env.payments other agri-env.payments other agri-env.payments other agri-env.payments other agri-env.payments other agri-env.payments offices 0 0 INPUTS INPUTS Feeds purchased concentrates purchased fodder, Tack and stock keep 0 0 Veterinary and medicines 44 5 Other livestock costs 271 31 Seeds purchased and homegrown 6,550 739 Fertilisers 1,683 190 Crop protection 614 69 Other crop costs 8,074 911 Labour farmer & spouse (manual only) paid incl. paid management unpaid agrial inquit of management unpaid agrial inquit of management | OUTPUTS | | | |
| Other cattle output subsidies 140 16 Sheep - output subsidies 90 10 Sheep - output subsidies 0 0 Other livestock subsidies 242 27 Main crops output subsidies 59,415 6,705 subsidies 0 0 By-products, forage and cultivations subsidies (set-aside) 90 10 Miscellaneous - organic grants - other agri-env.payments - other agri-env.payments - other agri-env.payments 0 0 TOTAL OUTPUTS 61,545 6,945 INPUTS Feeds purchased concentrates purchased concentrates of the office | Dairy | output | 0 | 0 |
| Other cattle output 140 16 Sheep - output 79 9 subsidies 0 0 Other livestock 242 27 Main crops output subsidies 59,415 6,705 subsidies 0 0 0 By-products, forage and cultivations subsidies (set-aside) 0 0 0 Miscellaneous 1,316 148 - organic grants - other agri-env.payments 0 0 - organic grants - other agri-env.payments 0 0 0 Feeds purchased concentrates homegrown concentrates homegrown concentrates 0 0 Feeds purchased concentrates homegrown concentrates homegrown concentrates purchased fodder, Tack and stock keep 0 0 Veterinary and medicines 44 5 Other livestock costs 271 31 Seeds - purchased and homegrown 6,550 73 Fertilisers 1,683 190 Crop protection 614 69 Other crop costs 8,074 911 | | net quota | 0 | 0 |
| Sheep - Output 79 9 9 9 9 5 9 9 5 9 9 | Other cattle | - | 140 | 16 |
| Subsidies | | - | 90 | 10 |
| Other livestock 242 27 Main crops output 59,415 6,705 subsidies 0 0 By-products, forage and cultivations 90 10 subsidies (set-aside) 0 0 Miscellaneous 1,316 148 - organic grants 171 19 - other agri-env.payments 0 0 - Other degri-env.payments 577 65 - food 0 0 0 - Gert livescothes | Sheep - | output | 79 | 9 |
| Main crops output subsidies 59,415 subsidies 6,705 subsidies 0 0 By-products, forage and cultivations subsidies (set-aside) 90 10 0 Miscellaneous 1,316 148 171 19 - organic grants 171 19 0 0 - other agri-env.payments 0 0 0 - Outher agri-env.payments 0 0 0 - Other livestock cots 271 31 1 Seeds - purchased concentrates 271 31 1 | • | subsidies | 0 | 0 |
| Subsidies 0 0 0 0 0 0 0 0 0 | Other livestoo | ck | 242 | 27 |
| Subsidies 0 0 0 0 0 0 0 0 0 | Main crops | output | 59,415 | 6,705 |
| Subsidies (set-aside) | • | | | , |
| Subsidies (set-aside) | By-products, | forage and cultivations | 90 | 10 |
| Miscellaneous | J 1 | | 0 | 0 |
| Formula 171 19 19 19 19 19 19 1 | Miscellaneou | | 1.316 | 148 |
| Other agri-env.payments | | | * | |
| TOTAL OUTPUTS 61,545 6,945 | | 0 0 | 0 | 0 |
| Feeds purchased concentrates homegrown concentrates 577 65 homegrown concentrates 0 0 Purchased fodder, Tack and stock keep 0 0 0 Veterinary and medicines 44 5 Other livestock costs 271 31 Seeds - purchased and homegrown 6,550 739 Fertilisers 1,683 190 Crop protection 614 69 Other crop costs 8,074 911 Labour farmer & spouse (manual only) 16,850 1901 paid incl. paid management 10,772 1216 unpaid 3,082 348 casual 436 49 Machinery contract 191 22 repairs 2,211 250 fuels 1,249 141 depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value | | | 61,545 | |
| Feeds purchased concentrates homegrown concentrates 577 65 homegrown concentrates 0 0 Purchased fodder, Tack and stock keep 0 0 0 Veterinary and medicines 44 5 Other livestock costs 271 31 Seeds - purchased and homegrown 6,550 739 Fertilisers 1,683 190 Crop protection 614 69 Other crop costs 8,074 911 Labour farmer & spouse (manual only) 16,850 1901 paid incl. paid management 10,772 1216 unpaid 3,082 348 casual 436 49 Machinery contract 191 22 repairs 2,211 250 fuels 1,249 141 depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value | INDLITE | | | |
| homegrown concentrates | | mumahasad aanaantustas | 577 | 65 |
| Purchased fodder, Tack and stock keep 0 0 Veterinary and medicines 44 5 Other livestock costs 271 31 Seeds - purchased and homegrown 6,550 739 Fertilisers 1,683 190 Crop protection 614 69 Other crop costs 8,074 911 Labour farmer & spouse (manual only) 16,850 1901 paid incl. paid management 10,772 1216 unpaid 3,082 348 casual 436 49 Machinery contract 191 22 repairs 2,211 250 fuels 1,249 141 depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 2,555 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 MANAGEMENT AND INVESTMENT INCOME -664 </td <td>reeus</td> <td>_</td> <td></td> <td></td> | reeus | _ | | |
| Veterinary and medicines 44 5 Other livestock costs 271 31 Seeds - purchased and homegrown 6,550 739 Fertilisers 1,683 190 Crop protection 614 69 Other crop costs 8,074 911 Labour farmer & spouse (manual only) 16,850 1901 paid incl. paid management 10,772 1216 unpaid 3,082 348 casual 436 49 Machinery contract 191 22 repairs 2,211 250 fuels 1,249 141 depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 | Durahasad for | _ | | |
| Other livestock costs 271 31 Seeds - purchased and homegrown 6,550 739 Fertilisers 1,683 190 Crop protection 614 69 Other crop costs 8,074 911 Labour farmer & spouse (manual only) 16,850 1901 paid incl. paid management unpaid casual 3,082 348 Casual 436 49 Machinery contract repairs fuels 1,249 141 depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 <td></td> <td></td> <td></td> <td></td> | | | | |
| Seeds - purchased and homegrown 6,550 739 Fertilisers 1,683 190 Crop protection 614 69 Other crop costs 8,074 911 Labour farmer & spouse (manual only) 16,850 1901 paid incl. paid management 10,772 1216 unpaid 3,082 348 casual 436 49 Machinery contract 191 22 repairs 2,211 250 fuels 1,249 141 depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input | | | | |
| Fertilisers 1,683 190 Crop protection 614 69 Other crop costs 8,074 911 Labour farmer & spouse (manual only) 16,850 1901 paid incl. paid management 10,772 1216 unpaid 3,082 348 casual 436 49 Machinery contract 191 22 repairs 2,211 250 fuels 1,249 141 depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. | | | | |
| Crop protection 614 69 Other crop costs 8,074 911 Labour farmer & spouse (manual only) 16,850 1901 paid incl. paid management 10,772 1216 unpaid 3,082 348 casual 436 49 Machinery contract 191 22 repairs 2,211 250 fuels 1,249 141 depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | | purchased and nomegrown | | |
| Other crop costs 8,074 911 Labour farmer & spouse (manual only) 16,850 1901 paid incl. paid management 10,772 1216 unpaid 3,082 348 casual 436 49 Machinery contract 191 22 repairs 2,211 250 fuels 1,249 141 depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | | | · · · · · · · · · · · · · · · · · · · | |
| Labour farmer & spouse (manual only) 16,850 1901 paid incl. paid management 10,772 1216 unpaid 3,082 348 casual 436 49 Machinery contract 191 22 repairs 2,211 250 fuels 1,249 141 depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | | | | |
| paid incl. paid management 10,772 1216 unpaid 3,082 348 casual 436 49 Machinery contract 191 22 repairs 2,211 250 fuels 1,249 141 depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | - | | | |
| unpaid casual 3,082 348 Machinery contract repairs 191 22 repairs 2,211 250 fuels depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | Labour | - | · · · · · · · · · · · · · · · · · · · | |
| Machinery casual 436 49 Machinery contract repairs 191 22 repairs 2,211 250 fuels 1,249 141 depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | | | * | |
| Machinery contract repairs 191 22 repairs 2,211 250 fuels 1,249 141 141 142 141 142 142 141 142 142 144 <t< td=""><td></td><td>-</td><td></td><td></td></t<> | | - | | |
| repairs 2,211 250 fuels 1,249 141 depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | Maahinami | | | |
| fuels 1,249 141 depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | Macilillery | | | |
| depreciation 2,851 322 General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | | - | | |
| General farming costs 4,024 454 Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | | | | |
| Land expenses 149 17 Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | Canaral form | - | | |
| Rent 255 29 Rental value 2,325 262 TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager 0 0 MANAGEMENT AND INVESTMENT INCOME -664 -75 Add back farmer and spouse labour 16,850 1,901 Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | | _ | | |
| Rental value2,325262TOTAL INPUTS62,2097,020Add back managerial input of paid manager00MANAGEMENT AND INVESTMENT INCOME Add back farmer and spouse labour Deduct managerial input of paid manager-664-75Add back farmer and spouse labour Deduct managerial input of paid manager00NET FARM INCOME (inc. BLSA)16,1861,826 | • | 25 | | |
| TOTAL INPUTS 62,209 7,020 Add back managerial input of paid manager MANAGEMENT AND INVESTMENT INCOME Add back farmer and spouse labour Deduct managerial input of paid manager NET FARM INCOME (inc. BLSA) 62,209 7,020 0 0 0 10 10 10 10 10 10 10 | | | | |
| MANAGEMENT AND INVESTMENT INCOME Add back farmer and spouse labour Deduct managerial input of paid manager 0 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | Rental value | TOTAL INPUTS | | |
| MANAGEMENT AND INVESTMENT INCOME Add back farmer and spouse labour Deduct managerial input of paid manager 0 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | Add back ma | nagerial input of paid manager | Ω | 0 |
| Add back farmer and spouse labour16,8501,901Deduct managerial input of paid manager00NET FARM INCOME (inc. BLSA)16,1861,826 | | | | |
| Deduct managerial input of paid manager 0 0 NET FARM INCOME (inc. BLSA) 16,186 1,826 | | | | |
| NET FARM INCOME (inc. BLSA) 16,186 1,826 | | | | |
| | | | | |
| | | | | |

Table A2. Results of organic horticultural holdings

| | 1998/9 | 9 |
|---|--------|-------|
| INCOME MEASURES | £/farm | £/ha |
| NET FARM INCOME (excl. BLSA) | 16,268 | 1,836 |
| plus net rental value/imputed rent | 2,325 | 262 |
| minus occupier's expenses | 2,802 | 316 |
| minus interest payments | 1,841 | 208 |
| minus buildings & works depreciation | 1,057 | 119 |
| OCCUPIER'S NET INCOME | 12,894 | 1,455 |
| plus other imputed charges | 3,693 | 417 |
| plus fixed asset depreciation | 3,908 | 441 |
| minus valuation changes | -88 | -10 |
| CASH INCOME | 20,583 | 2,323 |
| | | |
| TENANT'S CAPITAL - £ per farm | £/farm | £/ha |
| Machinery | 14,635 | 1,651 |
| Livestock | 921 | 104 |
| Crops | 3,081 | 348 |
| Stores | 1,385 | 156 |
| TOTAL | 20,022 | 2,259 |
| PERFORMANCE INDICATORS | | |
| Owner Equity (%) | | 79.8 |
| ONI/Net worth (%) | | 18.5 |
| Return on tenant's capital (%) | | -3.3 |
| Return on all capital (%) | | -0.5 |
| Annual labour units | | 3.1 |
| of which farmer & spouse | | 1.9 |
| LAND UTILISATION - hectares per farm | | ha |
| Cereals and cash crops | | 6.0 |
| Roots, fodder and other crops | | 0.0 |
| Total grassland | | 0.6 |
| Fallow, land let and set aside | | 1.9 |
| Rough grazing - sole (Effective ha) | _ | 0.4 |
| Utilisable agricultural area (Effective ha) | | 8.9 |
| Rough grazing - common (Effective ha) | | 0.0 |
| Woods, roads and buildings | _ | 0.4 |
| TOTAL AREA (Actual ha) | | 10.5 |
| Effective forage area (ha) | | 1.4 |

Table A2. Results of organic horticultural holdings

| Dairy cows 0.0 Beef cows 0.5 Other cattle 0.7 Breeding sheep 5.4 Other sheep 3.4 Pigs 0.0 Poultry 30.0 Other livestock 0.6 TOTAL (L.U.) Value Value Value Value Value Land and Property 47,142 47, Buildings, improvements and fixtures 3,556 7, | |
|--|-------|
| Dairy cows 0.0 Beef cows 0.5 Other cattle 0.7 Breeding sheep 5.4 Other sheep 3.4 Pigs 0.0 Poultry 30.0 Other livestock 0.6 TOTAL (L.U.) Value Value Value < | |
| Dairy cows 0.0 Beef cows 0.5 Other cattle 0.7 Breeding sheep 5.4 Other sheep 3.4 Pigs 0.0 Poultry 30.0 Other livestock 0.6 TOTAL (L.U.) Value Value Value Value Value Land and Property 47,142 47, Buildings, improvements and fixtures 3,556 7, | |
| Beef cows 0.5 Other cattle 0.7 Breeding sheep 5.4 Other sheep 3.4 Pigs 0.0 Poultry 30.0 Other livestock 0.6 TOTAL (L.U.) Value Value Value Land and Property 47,142 47, Buildings, improvements and fixtures 3,556 7, | LU |
| Other cattle 0.7 Breeding sheep 5.4 Other sheep 3.4 Pigs 0.0 Poultry 30.0 Other livestock 0.6 TOTAL (L.U.) Value Value Value Land and Property 47,142 47, Buildings, improvements and fixtures 3,556 7, | 0.0 |
| Breeding sheep 5.4 Other sheep 3.4 Pigs 0.0 Poultry 30.0 Other livestock 0.6 TOTAL (L.U.) Value Value Value Land and Property 47,142 47, Buildings, improvements and fixtures 3,556 7, | 0.4 |
| Other sheep 3.4 Pigs 0.0 Poultry 30.0 Other livestock 0.6 TOTAL (L.U.) Value ASSETS - £ per farm Opening Clos Value Value Value Value Land and Property 47,142 47, Buildings, improvements and fixtures 3,556 7, | 0.4 |
| Pigs 0.0 Poultry 30.0 Other livestock 0.6 TOTAL (L.U.) Opening Clos ASSETS - £ per farm Value Value Land and Property 47,142 47, Buildings, improvements and fixtures 3,556 7, | 0.6 |
| Poultry 30.0 Other livestock 0.6 TOTAL (L.U.) Opening Clos ASSETS - £ per farm Value Value Land and Property 47,142 47, Buildings, improvements and fixtures 3,556 7, | 0.3 |
| Other livestock TOTAL (L.U.) ASSETS - £ per farm Opening Clos Value Value Land and Property 47,142 47, Buildings, improvements and fixtures 3,556 7, | 0.0 |
| TOTAL (L.U.) ASSETS - £ per farm Opening Clos Value V | 0.0 |
| ASSETS - £ per farm Opening Clos Value Va Land and Property 47,142 47, Buildings, improvements and fixtures 3,556 7, | 0.0 |
| Value | 1.6 |
| Value | |
| Value | osing |
| Land and Property 47,142 47, Buildings, improvements and fixtures 3,556 7, | /alue |
| Buildings, improvements and fixtures 3,556 7, | |
| | 7,106 |
| 11,100 | 1,837 |
| Livestock 938 | 903 |
| | 1,439 |
| Ouotas 46 | 46 |
| • | 2,997 |
| | 7,471 |
| EXTERNAL LIABILITIES | |
| | |
| Long and medium term loans 12,829 12, | 2,017 |
| Short term loans 3,553 3, | 3,902 |
| Overdrafts 504 1, | 1,712 |
| TOTAL 16,887 17,0 | 7,631 |
| NET WORTH 69,146 69,3 | 9,840 |

| Table A3. l | Results of organic dairy farms | | | | | | |
|----------------------|--|------------------|------------|------------------|-------------|------------------|-----------|
| | | Identical sample | | | Full sample | | |
| | _ | 1997 | //98 | 1998/ | 99 | 1998/9 | 9 |
| No of Farms | | 5 | | 5 | | 8 | |
| ESU per farm | | 52 | | 54 | | 114 | |
| _ | icultural area (effective ha) | 65 100 | | 65 100 | | 133 100 | |
| Area organic | or in conversion. (%) | 100 | | 100 | | 100 | |
| OUTPUTS, I | INPUTS & INCOMES | £/farm | £/ha | £/farm | £/ha | £/farm | £/ha |
| OUTPUTS | | | | | | | |
| Dairy | output | 79,934 | 1,236 | 88,947 | 1,374 | 154,560 | 1,164 |
| | net quota | -167 | -3 | -973 | -15 | -18,010 | -136 |
| Other cattle | output | 9,024 | 140 | 6,129 | 95 | 16,134 | 122 |
| | subsidies | 47 | 1 | 62 | 1 | 444 | 3 |
| Sheep - | output | 792 | 12 | 837 | 13 | 705 | 5 |
| | subsidies | 151 | 2 | 140 | 2 | 87 | 1 |
| Other livestoo | | 0 | 0 | 675 | 10 | 422 | 3 |
| Main crops | output subsidies | 6,987 | 108 | 7,002 | 108 | 39,068 | 294 |
| Dy products | forage and cultivations | 1,792 1,930 | 28 30 | 1,069 739 | 17 11 | 8,330 4,791 | 63 36 |
| By-products, | subsidies (set-aside) | 1,930 | 0 | 0 | 0 | 4,791 | 30 |
| Miscellaneou | | 2,647 | 41 | 1,297 | 20 | 2,653 | 20 |
| Wilscenancou | - organic grants | 813 | 13 | 424 | 7 | 1,953 | 15 |
| | - other agri-env.payments | 743 | 11 | 1,894 | 29 | 1,184 | 9 |
| | TOTAL OUTPUTS | 104,693 | 1,619 | 108,240 | 1,672 | 212,768 | 1,603 |
| | | | | | | | |
| INPUTS | | 9.262 | 120 | 7.615 | 110 | 10 205 | 120 |
| Feeds | purchased concentrates | 8,263 | 128 | 7,615 | 118 | 18,285 | 138 |
| Durahasad for | homegrown concentrates dder, Tack and stock keep | 3,527 290 | 55 4 | 6,157 1,848 | 95 29 | 8,155 3,212 | 61 24 |
| Veterinary an | - | 2,363 | 37 | 2,617 | 40 | 4,412 | 33 |
| Other livestoo | | 7,950 | 123 | 13,141 | 203 | 21,441 | 162 |
| Seeds - | purchased and homegrown | 2,878 | 45 | 2,640 | 41 | 8,990 | 68 |
| Fertilisers | r | 804 | 12 | 103 | 2 | 1,921 | 14 |
| Crop protection | on | 77 | 1 | 0 | 0 | 856 | 6 |
| Other crop co | | 519 | 8 | 1,008 | 16 | 6,012 | 45 |
| Labour | farmer & spouse (manual only) | 11,811 | 183 | 10,500 | 162 | 11,144 | 84 |
| | paid incl. paid management | 6,487 | 100 | 6,691 | 103 | 31,204 | 235 |
| | unpaid | 2,143 | 33 | 4,090 | 63 | 2,932 | 22 |
| | casual | 670 | 10 | 274 | 4 | 4,650 | 35 |
| Machinery | contract | 5,266 | 81 | 5,218 | 81 | 13,338 | 100 |
| | repairs | 4,816 | 74 | 5,642 | 87 | 10,026 | 76 |
| | fuels | 2,351 | 36 | 1,502 | 23 | 3,117 | 23 |
| C 16 | depreciation | 6,888 | 107 | 3,860 | 60 | 11,340 | 85 125 |
| General farmi | _ | 9,215 | 143 44 | 7,599 | 117 | 16,534 | 125 |
| Land expense Rent | S | 2,869 2,160 | 33 | 2,042 2,190 | 32 34 | 6,302 6,153 | 47 46 |
| Rental value | | 5,880 | 91 | 6,383 | 99 | 10,629 | 80 |
| Rental value | TOTAL INPUTS | 87,212 | 1,349 | 91,119 | 1,408 | 200,652 | 1,512 |
| Add book ma | nagerial input of paid manager | 0 | 0 | 0 | 0 | 0 | Ω |
| | | | | | | | 01 |
| | ENT AND INVESTMENT INCOME mer and spouse labour | 17,481 11,811 | 270 183 | 17,121 10,500 | 265 162 | 12,116 11,144 | 91 84 |
| | gerial input of paid manager | 0 | 0 | 10,500 | 0 | 11,144 | 0 |
| | INCOME (inc. BLSA) | 29,291 | 453 | 27,621 | 427 | 23,260 | 175 |
| | INCOME (excl. BLSA) | 28,732 | 444 | 31,517 | 487 | 26,566 | 200 |

| Table A3. Results of organic dairy farms | | Identical | sample | | Full sam | ple |
|---|------------|---------------------|------------|---------------------|----------|----------------------|
| | 1997 | 7/98 | 1998/ | 99 | 1998/9 | 9 |
| INCOME MEASURES | £/farm | £/ha | £/farm | £/ha | £/farm | £/ha |
| NET FARM INCOME (excl. BLSA) | 28,732 | 444 | 31,517 | 487 | 26,566 | 200 |
| plus net rental value/imputed rent | 5,880 | 91 | 6,132 | 95 | 10,472 | 79 |
| minus occupier's expenses | 167 | 3 | 346 | 5 | 591 | 4 |
| minus interest payments | 8,262 | 128 | 7,070 | 109 | 15,516 | 117 |
| minus buildings & works depreciation | 1,803 | 28 | 2,139 | 33 | 22,046 | 166 |
| OCCUPIER'S NET INCOME | 24,380 | 377 | 28,095 | 434 | -1,115 | -8 |
| plus other imputed charges | 1,079 | 17 | 3,863 | 60 | 2,251 | 17 |
| plus fixed asset depreciation | 8,690 | 134 | 5,999 | 93 | 33,386 | 252 |
| minus valuation changes | -77 | -1 | -2,846 | -44 | 1,951 | 15 |
| CASH INCOME | 34,226 | 529 | 40,803 | 630 | 32,572 | 245 |
| TENANT'S CAPITAL - £ per farm | £/farm | £/ha_ | £/farm | £/ha | £/farm | £/ha |
| Machinery | 35,507 | 549 | 36,631 | 566 | 81,609 | 615 |
| Livestock | 47,946 | 741 | 47,436 | 733 | 80,380 | 606 |
| Crops | 1,402 | 22 | 3,369 | 52 | 9,885 | 74 |
| Stores | 4,185 | 65 | 1,033 | 16 | 7,559 | 57 |
| TOTAL | 89,040 | 1,377 | 88,469 | 1,367 | 179,433 | 1,352 |
| PERFORMANCE INDICATORS | | | | | | |
| Milk yield per cow (litres) | | 5,676 | | 5,457 | | 5,407 |
| Milk sales per cow (£) | | 1,412 | | 1,565 | | 1,483 |
| Margin over concentrates per cow (£) | | 1,270 | | 1,381 | | 1,293 |
| Lambs reared per ewe (nos.) | | 0.5 | | 0 | | 0 |
| Fat lamb sales per ewe (nos.) Stocking rate (LU per eff.ha) | | n/a 1.3 | | 0 1.3 | | 1.1 |
| GLU/forage effective hectare* | | 1.4 | | 1.5 | | 1.5 |
| Owner Equity (%) | | 84.8 | | 83.8 | | 77.0 |
| ONI/Net worth (%) | | 5.9 | | 6.9 | | -0.2 |
| Return on tenant's capital (%) | | 19.0 | | 19.4 | | 6.8 |
| Return on all capital (%) | | 4.0 | | 4.0 | | 2.1 |
| Annual labour units | | 2.0 | | 2.0 | | 4.2 |
| of which farmer & spouse | | 1.2 | | 1.1 | | 1.1 |
| LAND UTILISATION - hectares per farm | | ha | | ha | | ha |
| Cereals and cash crops | | 4.2 | | 7.6 | | 35.0 |
| Roots, fodder and other crops | | 6.3 | | 2.5 | | 12.1 |
| Total grassland | | 50.8 | | 53.5 | | 84.9 |
| Fallow, land let and set aside Rough grazing - sole (Effective ha) | | 0.0 | | 0.0 | | 0.0 0.7 |
| | _ | | - | | | |
| Utilisable agricultural area (Effective ha) | | 64.7 | | 64.7 | | 132.7 |
| Rough grazing - common (Effective ha) Woods, roads and buildings | | 0.0 3.5 | | 0.0 5.0 | | 0.0 7.0 |
| | _ | | | | _ | |
| TOTAL AREA (Actual ha) Effective forage area (ha) | | 68.2 57.1 | | 71.1 57.1 | | 143.9 98.3 |
| * for organic farms, pigs, poultry and other livestock | are deemed | to be grazing | glivestock | | | |

| Table A3. Results of organic dairy farm | S | 71 .· 1 | 7 | | F 11 | 7 |
|---|------------------|---------|---------|---------|---------|---------|
| | Identical sample | | | | Full sa | тріе |
| | 199 | 7/98 | 199 | 8/99 | 1998/ | 99 |
| LIVESTOCK CARRIED - per farm | | | | | | |
| | Average | * * * * | Average | * * * * | Average | |
| - · | Number | LU | Number | LU | Number | LU |
| Dairy cows | 53.8 | 53.8 | 58.3 | 58.3 | 97.0 | 97.0 |
| Beef cows | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other cattle | 40.9 | 24.3 | 42.1 | 22.8 | 83.1 | 46.3 |
| Breeding sheep | 10.2 | 1.1 | 16.9 | 1.6 | 10.5 | 1.0 |
| Other sheep | 9.5 | 0.9 | 7.9 | 0.3 | 4.9 | 0.2 |
| Pigs | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Poultry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other livestock | 1.8 | 1.7 | 2.5 | 1.5 | 1.6 | 0.9 |
| TOTAL (L.U.) | | 81.2 | | 84.6 | | 145.5 |
| | | | | | | |
| ASSETS - £ per farm | Opening | Closing | Opening | Closing | Opening | Closing |
| | Value | Value | Value | Value | Value | Value |
| Land and Property | 214,341 | 221,001 | 222,129 | 222,129 | 448,532 | 428,424 |
| Buildings, improvements and fixtures | 10,717 | 11,062 | 13,322 | 12,949 | 115,478 | 96,869 |
| Machinery | 33,194 | 37,820 | 35,753 | 37,509 | 83,171 | 80,047 |
| Livestock | 46,744 | 49,148 | 48,222 | 46,649 | 79,187 | 81,573 |
| Produce and goods in store | 5,622 | 5,552 | 4,950 | 3,854 | 17,337 | 17,551 |
| Quotas | 149,020 | 154,635 | 155,216 | 155,216 | 145,434 | 145,434 |
| Credit balances | 5,494 | 11,043 | 8,127 | 4,508 | 23,356 | 19,635 |
| TOTAL | 465,134 | 490,261 | 487,720 | 482,814 | 912,494 | 869,533 |
| EXTERNAL LIABILITIES | | | | | | |
| Long and medium term loans | 33,116 | 31,224 | 31,800 | 32,063 | 47,966 | 87,819 |
| Short term loans | 6,137 | 5,459 | 4,928 | 5,620 | 80,592 | 32,274 |
| Overdrafts | 33,292 | 37,695 | 37,935 | 40,314 | 85,672 | 79,905 |
| TOTAL | 72,544 | 74,378 | 74,663 | 77,996 | 214,230 | 199,998 |
| NET WORTH | 392,590 | 415,883 | 413,057 | 404,818 | 698,264 | 669,535 |

| Table A4. I | Results of organic lowland cattle | e and sheep | farms | | | | |
|---------------------------|-----------------------------------|------------------|-------------|------------------|-------------|------------------|------------|
| | | | Identical | • | | Full sam | • |
| N. CE | - | 1997/ | 98 | 1998/ | 99 | 1998/99 | 9 |
| No of Farms | | 5 | | 5 | | 9 | |
| ESU per farm | icultural area (effective ha) | 25 58 | | 24 59 | | 49 100 | |
| • | or in conversion. (%) | 100 | | 100 | | 100 | |
| Area Organic | or in conversion. (%) | 100 | | 100 | | 100 | |
| OUTPUTS, I | INPUTS & INCOMES | £/farm | £/ha | £/farm | £/ha_ | £/farm | £/ha |
| OUTPUTS | | | | | <u>.</u> | | |
| Dairy | output | 0 | 0 | 109 | 2 | 21,588 | 217 |
| • | net quota | 0 | 0 | 0 | 0 | 677 | 7 |
| Other cattle | output | 9,562 | 165 | 12,107 | 207 | 15,620 | 157 |
| | subsidies | 6,437 | 111 | 6,710 | 115 | 5,391 | 54 |
| Sheep - | output | 11,771 | 203 | 11,724 | 200 | 13,674 | 137 |
| | subsidies | 2,461 | 42 | 3,545 | 61 | 3,881 | 39 |
| Other livestoo | ck | -284 | -5 | 0 | 0 | 10,489 | 105 |
| Main crops | output | 1,315 | 23 | 368 | 6 | 12,614 | 127 |
| | subsidies | 980 | 17 | 570 | 10 | 4,389 | 44 |
| By-products, | forage and cultivations | 457 | 8 | 747 | 13 | 1,058 | 11 |
| | subsidies (set-aside) | 0 | 0 | 0 | 0 | 803 | 8 |
| Miscellaneou | S | 2,354 | 41 | 4,533 | 77 | 5,331 | 54 |
| | - organic grants | 2,025 | 35 | 2,017 | 34 | 1,717 | 17 |
| | - other agri-env.payments | 1,477 | 25 | 2,290 | 39 | 2,239 | 22 |
| | TOTAL OUTPUTS | 38,556 | 664 | 44,720 | 764 | 99,471 | 999 |
| INPUTS | | | | | | | |
| Feeds | purchased concentrates | 2,831 | 49 | 3,042 | 52 | 12,860 | 129 |
| recus | homegrown concentrates | 726 | 12 | 924 | 16 | 2,640 | 27 |
| Durchased for | lder, Tack and stock keep | 98 | 2 | 856 | 15 | 836 | 8 |
| Veterinary an | | 1,529 | 26 | 1,447 | 25 | 2,524 | 25 |
| Other livestoo | | 3,751 | 65 | 4,405 | 75 | 7,928 | 80 |
| Seeds - | purchased and homegrown | 302 | 5 | 339 | 6 | 2,216 | 22 |
| Fertilisers | purchased and nonlegiown | 774 | 13 | 372 | 6 | 368 | 4 |
| Crop protection | on. | 0 | 0 | 7 | 0 | 9 | 0 |
| Other crop co | | 218 | 4 | 302 | 5 | 1,006 | 10 |
| Labour | farmer & spouse (manual only) | 7,980 | 137 | 8,248 | 141 | 9,423 | 95 |
| Lucoui | paid incl. paid management | 8,096 | 139 | 6,974 | 119 | 23,218 | 233 |
| | unpaid | 165 | 3 | 170 | 3 | 2,253 | 23 |
| | casual | 1,039 | 18 | 900 | 15 | 2,176 | 22 |
| Machinery | contract | 1,961 | 34 | 2,274 | 39 | 3,252 | 33 |
| | repairs | 2,360 | 41 | 2,472 | 42 | 6,936 | 70 |
| | fuels | 1,453 | 25 | 783 | 13 | 3,130 | 31 |
| | depreciation | 3,149 | 54 | 3,963 | 68 | 8,086 | 81 |
| General farmi | | 6,200 | 107 | 5,370 | 92 | 11,880 | 119 |
| Land expense | _ | 2,355 | 41 | 1,963 | 34 | 3,937 | 40 |
| Rent | - | 4,539 | 78 | 4,686 | 80 | 3,039 | 31 |
| Rental value | | 6,381 | 110 | 6,637 | 113 | 13,310 | 134 |
| | TOTAL INPUTS | 55,906 | 962 | 56,135 | 960 | 121,026 | 1,216 |
| Add back may | nagerial input of paid manager | 0 | 0 | 0 | 0 | 3,443 | 35 |
| | ENT AND INVESTMENT INCOME | -17,350 | -299 | -11,415 | -195 | -18,112 | -182 |
| MANAGEMI Add back farr | ner and spouse labour | -17,330 7,980 | -299 137 | -11,415 8,248 | -195 141 | -18,112 9,423 | -182 95 |
| | gerial input of paid manager | 0 | 0 | 0,240 | 0 | 3,443 | 35 |
| | INCOME (inc. BLSA) | -9,370 | -161 | -3,167 | -54 | -12,132 | -122 |
| | INCOME (excl. BLSA) | -9,370 | -161 | 412 | 7 | -8,077 | -81 |

| • | tle and sheep farms Identical sample | | | Full sample | | |
|--|---------------------------------------|------------|--------|-------------|---------|------------|
| | 1997 | /98 | 1998 | /99 | 1998/9 | 9 |
| INCOME MEASURES | £/farm | £/ha | £/farm | £/ha_ | £/farm | £/ha |
| NET FARM INCOME (excl. BLSA) | -9,370 | -161 | 412 | 7 | -8,077 | -81 |
| plus net rental value/imputed rent | 6,381 | 110 | 6,637 | 113 | 13,310 | 134 |
| minus occupier's expenses | 0 | 0 | 560 | 10 | 510 | 5 |
| minus interest payments | 33 | 1 | 0 | 0 | 0 | 0 |
| minus buildings & works depreciation | 3,668 | 63 | 4,072 | 70 | 8,692 | 87 |
| OCCUPIER'S NET INCOME | -6,690 | -115 | 2,417 | 41 | -3,969 | -40 |
| plus other imputed charges | -1,725 | -30 | 1,435 | 25 | 3,581 | 36 |
| plus fixed asset depreciation | 6,817 | 117 | 8,034 | 137 | 16,777 | 169 |
| minus valuation changes | 5,167 | 89 | -4,012 | -69 | -5,750 | -58 |
| CASH INCOME | -6,766 | -116 | 15,898 | 272 | 22,140 | 222 |
| TENANT'S CAPITAL - £ per farm | £/farm | £/ha_ | £/farm | £/ha | £/farm | £/ha |
| Machinery | 24,558 | 423 | 27,958 | 478 | 48,318 | 485 |
| Livestock | 46,706 | 804 | 47,629 | 814 | 65,549 | 658 |
| Crops | 1,456 | 25 | 1,354 | 23 | 5,767 | 58 |
| Stores | 834 | 14 | 875 | 15 | 2,456 | 25 |
| TOTAL | 73,554 | 1,266 | 77,816 | 1,330 | 122,090 | 1,226 |
| PERFORMANCE INDICATORS | | | | | | |
| Lambs reared per ewe (nos.) | | 1.4 | | 1.3 | | 1.2 |
| Fat lamb sales per ewe (nos.) | | 0.7 | | 0.8 | | 0.8 |
| Stocking rate (LU per eff.ha) | | 1.5 | | 1.5 | | 1.1 |
| GLU/forage effective hectare* | | 1.6 | | 1.6 | | 1.3 |
| Owner Equity (%) | | 99.9 | | 99.6 | | 99.3 |
| ONI/Net worth (%) | | -2.0 | | 0.7 | | -0.5 |
| Return on tenant's capital (%) | | -23.6 | | -14.7 | | -14.8 |
| Return on all capital (%) | | -3.9 | | -2.1 | | -1.8 |
| Annual labour units of which farmer & spouse | | 1.4 0.9 | | 1.6 0.9 | | 3.3 1.0 |
| LAND UTILISATION - hectares per farm | | ha | | ha | | ha |
| Cereals and cash crops | | 3.5 | | 0.8 | | 14.7 |
| Roots, fodder and other crops | | 0.0 | | 1.6 | | 4.5 |
| Total grassland | | 54.3 | | 55.9 | | 74.1 |
| Fallow, land let and set aside | | 0.0 | | 0.0 | | 0.0 |
| Rough grazing - sole (Effective ha) | | 0.2 | | 0.2 | | 6.3 |
| Utilisable agricultural area (Effective ha) | | 58.1 | | 58.5 | | 99.6 |
| Rough grazing - common (Effective ha) | | 0.0 | | 0.0 | | 0.0 |
| Woods, roads and buildings | | 4.9 | _ | 4.9 | | 5.3 |
| TOTAL AREA (Actual ha) | | 64.5 | | 64.9 | | 153.5 |
| Effective forage area (ha) | | 54.6 | | 57.7 | | 84.8 |

^{*} for organic farms, pigs, poultry and other livestock are deemed to be grazing livestock

| Table A4. Results of organic lowland ca | attle and shee | p farms | | | | |
|---|----------------|----------------|----------|---------|---------|---------|
| <u> </u> | | - Identical | ! sample | | Full sa | mple |
| | 199 | 7/98 | 199 | 8/99 | 1998 | /99 |
| LIVESTOCK CARRIED - per farm | | 1170 | | 0177 | | 122 |
| • | Average | | Average | | Average | |
| | Number | LU | Number | LU | Number | LU |
| Dairy cows | 0.2 | 0.2 | 0.2 | 0.2 | 15.0 | 15.0 |
| Beef cows | 29.6 | 22.2 | 28.9 | 21.6 | 30.8 | 23.1 |
| Other cattle | 54.2 | 30.2 | 60.0 | 32.7 | 67.0 | 36.1 |
| Breeding sheep | 241.4 | 25.3 | 226.0 | 23.3 | 252.0 | 26.0 |
| Other sheep | 192.6 | 8.1 | 297.5 | 12.3 | 264.5 | 10.9 |
| Pigs | 0.0 | 0.0 | 0.0 | 0.0 | 12.3 | 0.5 |
| Poultry | 0.0 | 0.0 | 0.0 | 0.0 | 529.7 | 0.0 |
| Other livestock | 2.8 | 0.4 | 1.6 | 0.5 | 4.2 | 2.0 |
| TOTAL (L.U.) | | 86.2 | | 90.6 | | 113.6 |
| | | | | | | |
| ASSETS - £ per farm | Opening | Closing | Opening | Closing | Opening | Closing |
| | Value | Value | Value | Value | Value | Value |
| Land and Property | 216,426 | 216,426 | 216,426 | 216,426 | 551,196 | 551,196 |
| Buildings, improvements and fixtures | 21,137 | 20,126 | 20,126 | 19,971 | 37,234 | 31,636 |
| Machinery | 22,004 | 27,111 | 27,111 | 28,806 | 48,162 | 48,475 |
| Livestock | 45,637 | 47,775 | 47,775 | 47,482 | 66,232 | 64,866 |
| Produce and goods in store | 2,079 | 2,501 | 2,501 | 1,957 | 8,490 | 7,956 |
| Quotas | 8,489 | 6,614 | 6,614 | 6,614 | 48,038 | 48,038 |
| Credit balances | 13,474 | 6,718 | 6,718 | 6,615 | 73,356 | 84,164 |
| TOTAL | 329,248 | 327,271 | 327,271 | 327,871 | 832,707 | 836,330 |
| EXTERNAL LIABILITIES | | | | | | |
| Long and medium term loans | 0 | 0 | 0 | 0 | 0 | 0 |
| Short term loans | 1,759 | 312 | 312 | 449 | 2,511 | 1,184 |
| Overdrafts | 0 | 0 | 0 | 820 | 3,894 | 4,344 |
| TOTAL | 1,759 | 312 | 312 | 1,269 | 6,404 | 5,529 |
| NET WORTH | 327,490 | 326,959 | 326,959 | 326,602 | 826,302 | 830,801 |

Table A5. Results of organic LFA cattle and sheep farms

(Includes one LFA mixed farm)

| (Includes one | | 1998/99 | |
|-----------------|--------------------------------|-------------|---------------|
| No of Farms | _ | 5 | |
| ESU per farm | ı | 37 | |
| Utilisable agr | icultural area (effective ha) | 171 | |
| Area organic | or in conversion. (%) | 100 | |
| OUTPUTS, 1 | INPUTS & INCOMES | £/farm | £/ha |
| OUTPUTS | | , | , |
| Dairy | output | 0 | 0 |
| Dany | net quota | 0 | 0 |
| Other cattle | output | 17,277 | 101 |
| Other cattle | subsidies | 13,605 | 80 |
| Chaan | output | 24,638 | 144 |
| Sheep - | subsidies | 19,477 | 114 |
| Othan liveastas | | • | 114 |
| Other livestoo | | 1,834 | 118 |
| Main crops | output subsidies | 20,254 | 110 |
| D 1 | | 1,671 | |
| By-products, | forage and cultivations | 49 | 0 |
| N.C 11 | subsidies (set-aside) | 338 | 2 |
| Miscellaneou | | 4,074 | 24 |
| | - organic grants | 871 | 5 |
| | - other agri-env.payments | 4,367 | 26 |
| | TOTAL OUTPUTS | 108,456 | 634 |
| INPUTS | | | |
| Feeds | purchased concentrates | 12,688 | 74 |
| | homegrown concentrates | 0 | 0 |
| Purchased for | dder, Tack and stock keep | 59 | 0 |
| Veterinary an | d medicines | 5,932 | 35 |
| Other livestoo | ck costs | 1,673 | 10 |
| Seeds - | purchased and homegrown | 2,949 | 17 |
| Fertilisers | - | 8,196 | 48 |
| Crop protection | on | 80 | 0 |
| Other crop co | | 300 | 2 |
| Labour | farmer & spouse (manual only) | 11,956 | 70 |
| | paid incl. paid management | 5,133 | 30 |
| | unpaid | 0 | 0 |
| | casual | 0 | 0 |
| Machinery | contract | 15,610 | 91 |
| J | repairs | 4,684 | 27 |
| | fuels | 3,390 | 20 |
| | depreciation | 11,572 | 68 |
| General farmi | • | 10,738 | 63 |
| Land expense | | 1,325 | 8 |
| Rent | | 1,333 | 8 |
| Rental value | | 10,529 | 62 |
| remar varae | TOTAL INPUTS | 108,145 | 632 |
| Add back ma | nagerial input of paid manager | 0 | 0 |
| | ENT AND INVESTMENT INCOME | 311 | 2 |
| MANAGEMI | DANT AIND HY VEDICUENT HYCOME | 311 | |
| Add back far | | 11 956 | 70 |
| | mer and spouse labour | 11,956 0 | |
| Deduct manag | | | 70 0 72 |

Table A5. Results of organic LFA cattle and sheep farms

| | 1998/99 | | |
|---|---------|-------|--|
| INCOME MEASURES | £/farm | £/ha | |
| NET FARM INCOME (excl. BLSA) | 12,267 | 72 | |
| plus net rental value/imputed rent | 11,001 | 64 | |
| minus occupier's expenses | 0 | 0 | |
| minus interest payments | 2,925 | 17 | |
| minus buildings & works depreciation | 3,892 | 23 | |
| OCCUPIER'S NET INCOME | 16,451 | 96 | |
| plus other imputed charges | 0 | 0 | |
| plus fixed asset depreciation | 15,464 | 90 | |
| minus valuation changes | 5,147 | 30 | |
| CASH INCOME | 26,768 | 156 | |
| TENANT'S CAPITAL - £ per farm | £/farm | £/ha | |
| Machinery | 45,581 | 266 | |
| Livestock | 78,730 | 460 | |
| Crops | 0 | 0 | |
| Stores | 13,964 | 82 | |
| TOTAL | 138,274 | 808 | |
| PERFORMANCE INDICATORS | | | |
| Lambs reared per ewe (nos.) | | 1.1 | |
| Stocking rate (LU per eff.ha) | | 0.9 | |
| GLU/forage effective hectare* | | 1.1 | |
| Owner Equity (%) | | 87.8 | |
| ONI/Net worth (%) | | 1.9 | |
| Return on tenant's capital (%) | | 0.2 | |
| Return on all capital (%) | | 0.2 | |
| Annual labour units | | 1.8 | |
| of which farmer & spouse | | 1.3 | |
| LAND UTILISATION - hectares per farm | | ha | |
| Cereals and cash crops | | 18.8 | |
| Roots, fodder and other crops | | 3.3 | |
| Total grassland | | 133.1 | |
| Fallow, land let and set aside | | 1.6 | |
| Rough grazing - sole (Effective ha) | | 14.2 | |
| Utilisable agricultural area (Effective ha) | | 171.1 | |
| Rough grazing - common (Effective ha) | | 0.0 | |
| Woods, roads and buildings | _ | 52.0 | |
| TOTAL AREA (Actual ha) | | 265.8 | |
| Effective forage area (ha) | | 150.7 | |

 $[\]ensuremath{^*}$ for organic farms, pigs, poultry and other livestock are deemed to be grazing livestock

Table A5. Results of organic LFA cattle and sheep farms

| | 1998/99 | | |
|--------------------------------------|---------|---------|--|
| LIVESTOCK CARRIED - per farm | | | |
| | Average | | |
| | Number | LU | |
| Dairy cows | 14.4 | 0.0 | |
| Beef cows | 53.0 | 32.8 | |
| Other cattle | 210.8 | 36.6 | |
| Breeding sheep | 624.6 | 64.9 | |
| Other sheep | 300.9 | 25.8 | |
| Pigs | 0.0 | 0.0 | |
| Poultry | 0.0 | 0.0 | |
| Other livestock | 0.0 | 0.0 | |
| TOTAL (L.U.) | | 160.1 | |
| | | | |
| ASSETS - £ per farm | Opening | Closing | |
| | Value | Value | |
| Land and Property | 645,603 | 723,011 | |
| Buildings, improvements and fixtures | 46,314 | 44,765 | |
| Machinery | 47,352 | 43,810 | |
| Livestock | 72,007 | 85,452 | |
| Produce and goods in store | 18,113 | 9,814 | |
| Quotas | 15,165 | 20,165 | |
| Credit balances | 33,525 | 35,175 | |
| TOTAL | 878,078 | 962,193 | |
| EXTERNAL LIABILITIES | | | |
| Long and medium term loans | 9,336 | 93,813 | |
| Short term loans | 5,545 | 4,063 | |
| Overdrafts | 18,141 | 19,179 | |
| TOTAL | 33,023 | 117,055 | |
| NET WORTH | 845,055 | 845,137 | |

Table A6. Results of organic mixed farms

| (Includes one lowland beef and sheep farm) | | s Identical sample | | | |
|--|--------------------------------|-----------------------|-----------|------------------|-----------|
| | | 1997/98 | | 1998/99 | |
| No of Farms | | 5 | | 5 | |
| ESU per farn | | 151 | | 107 | |
| _ | ricultural area (effective ha) | 260 | | 256 | |
| Area organic | or in conversion. (%) | 80 | | 100 | |
| OUTPUTS, | INPUTS & INCOMES | £/farm | £/ha | £/farm | £/ha |
| OUTPUTS | | | | | |
| Dairy | output | 38,296 | 147 | 38,609 | 151 |
| | net quota | 312 | 1 | -1,259 | -5 |
| Other cattle | output | 18,305 | 70 | 20,416 | 80 |
| | subsidies | 9,079 | 35 | 10,272 | 40 |
| Sheep - | output | 19,380 | 75 | 25,157 | 98 |
| | subsidies | 7,551 | 29 | 10,366 | 41 |
| Other livesto | | -1,480 | -6 | 40 | 0 |
| Main crops | output | 75,199 | 289 | 62,002 | 243 |
| | subsidies | 18,240 | 70 | 16,761 | 66 |
| By-products, | forage and cultivations | 1,427 | 5 | 2,908 | 11 |
| | subsidies (set-aside) | 4,219 | 16 | 3,280 | 13 |
| Miscellaneou | | 14,487 | 56 | 6,825 | 27 |
| | - organic grants | 3,064 | 12 | 2,599 | 10 |
| | - other agri-env.payments | 581 | 2 | 705 | 3 |
| | TOTAL OUTPUTS | 208,661 | 802 | 198,681 | 777 |
| INPUTS | | | | | |
| Feeds | purchased concentrates | 3,724 | 14 | 7,108 | 28 |
| | homegrown concentrates | 3,158 | 12 | 6,663 | 26 |
| Purchased fo | dder, Tack and stock keep | 941 | 4 | 252 | 1 |
| Veterinary ar | nd medicines | 3,216 | 12 | 4,872 | 19 |
| Other livesto | | 8,143 | 31 | 9,215 | 36 |
| Seeds - | purchased and homegrown | 11,074 | 43 | 7,171 | 28 |
| Fertilisers | | 3,036 | 12 | 8,390 | 33 |
| Crop protecti | | 0 | 0 | 80 | 0 |
| Other crop co | | 969 | 4 | 2,181 | 9 |
| Labour | farmer & spouse (manual only) | 9,264 | 36 | 10,429 | 41 |
| | paid incl. paid management | 39,392 | 151 | 41,150 | 161 |
| | unpaid | 0 | 0 | 0 | 0 |
| 36.11 | casual | 6,843 | 26 | 3,223 | 13 |
| Machinery | contract | 16,153 | 62 | 21,821 | 85 |
| | repairs | 14,729 | 57 | 13,864 | 54 |
| | fuels | 5,482 | 21 | 4,630 | 18 |
| C1 f | depreciation | 15,503 | 60 72 | 16,046 | 63 |
| General farm | _ | 18,838 4,349 | 72 17 | 17,308 5,451 | 68 21 |
| Land expense Rent | es | 16,399 | 63 | 15,113 | 59 |
| Rental value | | 14,140 | 54 | 13,663 | |
| Kentai value | TOTAL INPUTS | 195,353 | 751 | 208,630 | 53 816 |
| Add back ma | nagerial input of paid manager | 3,326 | 13 | 4,902 | 19 |
| | ENT AND INVESTMENT INCOME | | | | |
| | mer and spouse labour | 16,633 9,264 | 64 36 | -5,047 10,429 | -20 41 |
| | gerial input of paid manager | 3,326 | 13 | 4,902 | 19 |
| | INCOME (inc. BLSA) | 22,571 | 87 | 480 | 2 |
| | INCOME (excl. BLSA) | 22,571 | 87 | 3,869 | 15 |
| | * / | , | | , | |

Table A6. Results of organic mixed farms

| | 1997/98 | | 1998/99 | |
|---|---------|-------|---------|-------|
| INCOME MEASURES | £/farm | £/ha | £/farm | £/ha |
| NET FARM INCOME (excl. BLSA) | 22,571 | 87 | 3,869 | 15 |
| plus net rental value/imputed rent | 14,140 | 54 | 13,923 | 54 |
| minus occupier's expenses | 16 | 0 | 276 | 1 |
| minus interest payments | 4,238 | 16 | 5,855 | 23 |
| minus buildings & works depreciation | 2,320 | 9 | 2,878 | 11 |
| OCCUPIER'S NET INCOME | 30,137 | 116 | 8,783 | 34 |
| plus other imputed charges | -409 | -2 | 92 | 0 |
| plus fixed asset depreciation | 17,823 | 69 | 18,924 | 74 |
| minus valuation changes | 13,308 | 51 | -330 | -1 |
| CASH INCOME | 34,244 | 132 | 28,129 | 110 |
| TENANT'S CAPITAL - £ per farm | £/farm | £/ha | £/farm | £/ha_ |
| Machinery | 81,225 | 312 | 84,054 | 329 |
| Livestock | 85,333 | 328 | 88,579 | 346 |
| Crops | 32,074 | 123 | 20,051 | 78 |
| Stores | 6,457 | 25 | 24,601 | 96 |
| TOTAL | 205,088 | 789 | 217,285 | 850 |
| PERFORMANCE INDICATORS | | | | |
| Lambs reared per ewe (nos.) | | 1.5 | | 1.3 |
| Fat lamb sales per ewe (nos.) | | 1.1 | | 1.1 |
| Stocking rate (LU per eff.ha) | | 0.6 | | 0.7 |
| GLU/forage effective hectare* | | 1.0 | | 1.0 |
| Owner Equity (%) | | 94.2 | | 89.9 |
| ONI/Net worth (%) | | 2.1 | | 0.6 |
| Return on tenant's capital (%) | | 8.1 | | -2.3 |
| Return on all capital (%) | | 2.2 | | 0.6 |
| Annual labour units | | 5.4 | | 4.5 |
| of which farmer & spouse | | 1.0 | | 0.8 |
| LAND UTILISATION - hectares per farm | | ha | | ha |
| Cereals and cash crops | | 80.9 | | 83.1 |
| Roots, fodder and other crops | | 0.3 | | 4.1 |
| Total grassland | | 150.0 | | 160.8 |
| Fallow, land let and set aside | | 17.5 | | 2.9 |
| Rough grazing - sole (Effective ha) | | 11.3 | | 4.8 |
| Utilisable agricultural area (Effective ha) | | 260.0 | | 255.7 |
| Rough grazing - common (Effective ha) | | 0.0 | | 0.0 |
| Woods, roads and buildings | | 20.5 | | 26.6 |
| TOTAL AREA (Actual ha) | | 285.7 | | 294.9 |
| Effective forage area (ha) | | 161.4 | | 169.7 |

^{*} for organic farms, pigs, poultry and other livestock are deemed to be grazing livestock

Table A6. Results of organic mixed farms

| | 1997/98 | | 1998 | 1998/99 | |
|--------------------------------------|------------------|------------------|---------------------------------------|------------------|--|
| LIVESTOCK CARRIED - per farm | | | | | |
| | Average | | Average | | |
| | Number | LU | Number | LU | |
| Dairy cows | 24.3 | 24.3 | 36.9 | 22.5 | |
| Beef cows | 33.2 | 24.9 | 42.8 | 25.1 | |
| Other cattle | 78.5 | 38.3 | 233.7 | 40.1 | |
| Breeding sheep | 492.2 | 63.4 | 381.5 | 67.6 | |
| Other sheep | 135.4 | 5.9 | 337.4 | 14.1 | |
| Pigs | 0.0 | 0.0 | 0.6 | 0.0 | |
| Poultry | 0.0 | 0.0 | 0.0 | 0.0 | |
| Other livestock | 0.0 | 0.0 | 0.0 | 0.0 | |
| TOTAL (L.U.) | | 156.8 | | 169.4 | |
| | | | | | |
| ACCEPTE Comments | 0 . | CI | · · | CI | |
| ASSETS - £ per farm | Opening | Closing | Opening | Closing | |
| I I ID | Value | Value | Value | Value | |
| Land and Property | | 1,113,454 | | 1,200,229 | |
| Buildings, improvements and fixtures | 22,089 | 23,585 | 24,913 | 27,180 | |
| Machinery Livestock | 79,681 | 82,768 | 82,769 | 85,339 | |
| | 83,108 | 87,557 | 83,879 | 93,278 | |
| Produce and goods in store | 37,602 65,520 | 39,460 65,510 | 47,698 65,510 | 37,607 70,284 | |
| Quotas Credit balances | <i>'</i> | | , , , , , , , , , , , , , , , , , , , | , | |
| | 64,647 | 101,346 | 98,815 | 106,900 | |
| TOTAL | 1,463,670 | 1,513,679 | 1,517,435 | 1,620,818 | |
| EXTERNAL LIABILITIES | | | | | |
| Long and medium term loans | 6,672 | 3,043 | 3,740 | 91,816 | |
| Short term loans | 17,330 | 35,635 | 34,092 | 2,694 | |
| Overdrafts | 29,830 | 49,189 | 50,018 | 67,832 | |
| TOTAL | 53,832 | 87,868 | 87,850 | 162,342 | |
| | | | , | | |
| NET WORTH | 1,409,838 | 1,425,811 | 1,429,586 | 1,456,763 | |

Appendix 2 **The Farm Classification System**

For each farm in the survey, each hectare of crop area and each head of livestock are assessed in terms of Standard Gross Margins (SGMs). These SGMs are expressed in European Currency Units, with 1200 such units equivalent to 1 European Size Unit (ESU).

Farm size is measured for a particular farm by the number of ESUs registered in total, and this is thus a measure of the size of the farm business. It is a measure of the economic size of holdings in terms of the value they add to variable inputs and thus differs from physical measures, such as area, which take no account of the intensity of production. The survey is designed to cover farms of at least 8 ESU in size.

Farm type is determined for a particular farm by the proportion of the SGM total accounted for by each enterprise. Precise details of the typology are complex, but may be summarised as follows:

Farm type **Characteristics**

Cropping In this report, two categories are combined:

> Farms on which cereals and other crops generally found in cereal rotations Cereals

> > account for more than two thirds of their total SGM.

General cropping Farms on which arable crops (including field scale vegetables)

account for more than two thirds of their total SGM excluding farms

classified as cereals.

Horticulture Farms where horticultural crops or permanent crops including fruit, either

alone or in combination, account for over one-third of total SGM and form

the largest enterprise group.

Dairy Farms where the dairy enterprise, including followers, accounts for over one

third, and commonly over two-thirds of total SGM and is the largest

enterprise group.

Cattle and Sheep In this report, two categories are presented separately:

> Lowland livestock Farms outside the Less Favoured Areas on which grazing livestock,

> > other than dairy cattle, account for over one-third, commonly over twothirds, of total SGM, and form the largest enterprise group, or farms on which grazing livestock (except dairy cattle) and field crops each account

for over one-third but less than two-thirds of total SGM.

LFA livestock Farms in the Less Favoured Areas on which sheep, cattle or cattle

> and sheep together, other than dairy cattle, account for over one-third of total SGM, commonly over two-thirds and are the largest enterprise group.

Mixed Farms with a range of enterprise where none clearly predominates.

Appendix 3 Definition of Terms

Breeding Livestock Appreciation (BLSA)

BLSA is that element of Net Farm Income resulting from changes in breeding livestock prices between the opening and closing valuations. It is calculated by multiplying for each category of breeding livestock the change in the opening and closing valuations by the average number of livestock in that category during the year.

Cash Income

Cash income is based on actual receipts and actual expenditure. It represents the difference between receipts and expenditure on current account, before depreciation charges and investment spending.

Effective Hectares (Eff.Ha)

The effective hectarage constitutes the total farm area minus the area occupied by roads, woodland, wasteland and buildings, and with rough grazings expressed in terms of their pasture equivalent. E.g. on a particular farm, 20 hectares of rough grazing in terms of its capacity to carry stock may be worth 4 hectares of permanent pasture - it is therefore regarded as being 4 effective hectares. A notional area is also estimated for the use made of any common grazings.

Enterprise Output

Enterprise output is all returns from an enterprise, plus the market value of any of its products transferred out to another enterprise, plus the market value of any production from the enterprise given to workers or consumed on the farm. In the case of livestock enterprises, the value of purchased livestock and the market value of livestock transferred in from another enterprise are deducted. All totals are adjusted for changes in valuation. Milk output includes quota transactions and any super-levies paid, have been deducted.

General Farming Costs

General farming costs include electricity, water and telephone charges, licences, insurances, subscriptions, professional charges, etc.

Livestock Units (LU) and Grazing Livestock Units (GLU)

Livestock numbers are converted to livestock units, which are based on estimated energy requirements, in order to calculate the total stocking of grazing livestock on the farm. The following conversion factors are used:

| Dairy cow | 1.00 | Hill ewe | 0.06 |
|-------------------------------------|------|---------------------------------|------|
| Beef/hill cow | 0.75 | Upland ewe | 0.08 |
| Beef/dairy bull | 0.65 | Lowland ewe | 0.11 |
| Beef/dairy heifer | 0.80 | Ram | 0.08 |
| Other cattle - 2 years old and over | 0.80 | Ewe lamb | 0.08 |
| - 1 to 2 years old | 0.65 | Other sheep 1 year old and over | 0.08 |
| - under 1 year old | 0.34 | Store lamb under 1 yr. | 0.04 |

Management and Investment Income (MII)

MII is total farm enterprise output less total inputs (including the value of the labour input of the farmer and spouse). It represents the reward for the farmer's (and spouse's) management and interest on the tenant's capital employed on the farm.

Margin over concentrates

Margin over concentrates is the difference between milk sales and the value of purchased and homegrown concentrates used for the dairy herd.

Miscellaneous Output

Miscellaneous output includes contract work, farm cottage rents, benefit value of farmhouses, and profit on resale of purchased agricultural produce.

Net Farm Income (NFI)

NFI is total farm enterprise output less total inputs (excluding the value of the labour of the farmer and spouse). It is calculated as if all farms are tenanted, and represents the return to the farmer and spouse for their labour and management, and on the tenant-type capital of the business.

Net Worth

Net worth is the difference between total assets and total liabilities and represents the value of assets available to the business, all other claims against these assets having been met.

Occupier's Net Income

Occupier's net income is based on actual tenure and indebtedness. It represents the return to the farmer and spouse for their labour, management and investment in the farm business.

Other Crop Costs

Other crop costs include crop protection chemicals and other costs incurred specifically for crop enterprises and forage.

Other Livestock Costs

Other livestock costs include purchased bedding materials, and other costs incurred specifically for livestock enterprises.

Owner Equity

Owner equity is net worth expressed as a percentage of total assets.

Rental Value

For owner-occupied farms, a rental value is imputed to make it possible to compare results with farms on which rents have to be paid.

Return on All Capital

Return on tenant's capital is management and investment income plus rental value expressed as a percentage of total tenant's capital.

Return on Tenant's Capital

Return on tenant's capital is management and investment income expressed as a percentage of total tenant's capital.

Tenant's Capital

Tenant's capital is the value of livestock, machinery, crops (including cultivations) and stores. In the tables, it is expressed as the average of the opening and closing valuations for these items.