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Organic and in-conversion land area, holdings, livestock and crop production in Europe

Task 2.1: Technical Deliverable: Riic Final Report¹

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**Carolyn Foster
Nicolas Lampkin**

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Contributors

- AT: Ludwig Maurer, Ludwig Boltzmann Institut, Rinnboeckstr. 15, A-1110 Wien, Austria.
- BE: Evelyne Goemaere and Alain Coppens, University of Gent, Department of Agricultural Economics, B-9000 Gent, Belgium.
- CH: Otto Schmid, FiBL (Research Institute for Organic Agriculture), CH-5070 Frick, Switzerland.
- CZ: Tomas Zidek, ICEA, Foundation for Organic Agriculture, Praha 10, Czech Republic.
- DE: Carolyn Foster, University of Hohenheim, Institute of Farm Economics, D-70593 Stuttgart, Germany. Hiltrud Nieberg, Institut für Betriebswirtschaft, Bundesforschungsanstalt für Landwirtschaft D-38116 Braunschweig, Germany.
- DK: Johannes Michelsen and Monica Stoye, Department of Political Science and Public Management, University of Southern Denmark - Esbjerg, Niels Bohrs Vej 9, DK-6700 Esbjerg, Denmark.
- ES: Jose M. Sumpsi, Politechnic University of Madrid, Departamento Economía y Sociología Agraria, Madrid, Spain.
- FI: Sampsa Heinonen, Plant Production Inspection Centre, PO Box 111, SF-32201 Loimaa, Finland.
- FR: Blaise Leclerc, Institut Technique de l'Agriculture Biologique, F-75595 Paris Cedex 12, France.
- GB: Nic Lampkin, Carolyn Foster, Welsh Institute of Rural Studies, University of Wales, Aberystwyth, SY23 3AL, Great Britain.
- GR: Agapi Vassiliou, Cretan Agri-Environmental Group, GR-70400 Moires, Crete, Greece.
- IE: Noreen Gibney, Irish Organic Farmers and Growers Association, Dublin, Ireland.
- IT: Raffaele Zanolì, Department for Agricultural Economics, University of Ancona, Via Breccia Bianche, Ancona, Italy.
Paolo Foglia, AIAB, Strada Maggiore 29, I-4125 Bologna, Italy.
- LU: Marianne Altmann and Dirk Kopp, CO-Concept, L-1631, Luxembourg.
- NL: Karin Zimmermann and J.J.C.M. Hammerstein, LEI-DLO, NL-2502 LS Den Haag, The Netherlands.
- NO: Kaare Johnsen, DEBIO, Postbox 50, N-1940 Bjoerkelangen, Norway.
- PT: Américo Mendes, Faculty of Economics, Catholic University of Portugal, Porto, Portugal.
- SE: Pelle Fredriksson, KRAV, Box 1940, S-75149, Uppsala, Sweden.

1 Introduction

1.1 Objectives

The objective of this report is to provide an up-to-date overview of the organic and in-conversion land area, number of holdings, livestock and crop production in all EU-member states plus the Czech Republic, Norway and Switzerland from 1993 to 1998. The report traces the growth and development of organic farming in general and as part of policy measures to support organic farming and updates the data presented in Foster and Lampkin (1999)¹.

This report is one of several aiming to assess *ex post* the impact of EU and other policy measures on organic farming as part of the project "Effects of the CAP Reform and possible further developments on organic farming in the EU" (FAIR 3-CT96 1794). The general objective of the project is to provide an assessment of the impact of the 1992 CAP Reform on organic farming and thus contribute to a better understanding of the effects that current EU policies have on this sub-sector.

1993 was chosen as the starting point from which to present the data as it represents the year in which most EU member states implemented Council Regulation (EEC) No. 2092/91 defining organic crop production in statutory terms. It was also the first year in which the CAP Reform of 1992 began to have an impact on organic farming, in particular through support under the agri-environment programme (Council Regulation (EEC) No. 2078/92).

1.2 Methodology

The report is based on data collected by project partners and subcontractors for 18 European countries, and additional information from published and unpublished material that was obtained by the authors. The subcontractors collected the data by surveying designated national/regional control authorities and organic certification bodies, with reference to published official data or other sources. Where possible the data were confirmed by the authors from a variety of other sources, including the responsible authorities in the national agricultural administrations.

The report is divided into two main parts. Part A concerns organic and in-conversion land area and number of holdings in several categories: certified only, EC Reg. 2078/92-supported, total policy-supported and total certified and policy-supported combined. Part B contains a breakdown of stocking and land use by commodity.

The data for certified production represent the situation at the **31 December** each year (the required reporting date under EC Reg. 2092/91) or a date as close to this as possible. The data concerning organic production supported under the agri-environment programme (EC

¹ Foster, C. and N. Lampkin (1999) Organic production statistics in Europe 1993-1996. Organic Farming in Europe: Economics and Policy, Volume 3, University of Hohenheim, Stuttgart, Germany.

Reg. 2078/92) are mainly based on the statistical reporting from each Member State to the EU Commission on the **15 October**, although in some cases, year-end data have been used where these are more reliable.

Following the implementation of EC Reg. 2092/91 in 1993, the quantity and reliability of data improved considerably. However, the situation varies significantly between countries with respect to certification and financial support for organic farming (see first report of this project for details of the implementation of the schemes²). This influences the way in which certified holdings are accounted for in statistics as no unified approach to statistical reporting has yet been implemented. Some countries use government agencies and certify only according to EC Reg. 2092/91. As EC Reg. 2092/91 did not include any standards for livestock during this period (1993-1998), livestock holdings might not be included in official statistics of certified holdings, even though they are following strictly organic principles and are potentially certified with a private body. Other countries rely on private sector bodies for certification, which might follow their own standards. Similarly, some but not all countries require a holding to be certified with the state (following EC Reg. 2092/91) or a private sector body to qualify for the organic farming payments under the agri-environment programme (EC Reg. 2078/92).

The collation of data on organic farming in general is hampered by lack of resources of the certification bodies. This is especially applicable to data on cropping areas and livestock numbers.

In summary, reporting procedures in some countries are inadequate and therefore estimates have been used where actual data could not be obtained or are not available. Although the main purpose of this report is to extend the data presented in Foster and Lampkin (1999) to the year 1998, in cases where new or more reliable data have become available for the years 1993 to 1996 the data have been amended accordingly.

2 Lampkin, N., C. Foster, S. Padel and P. Midmore (1999): The policy and regulatory environment for organic farming in Europe. *Organic Farming in Europe: Economics and Policy*, Volume 1, University of Hohenheim, Stuttgart, Germany.

Country Abbreviations

AT Austria

BE Belgium

CH Switzerland

CZ Czech Republic

DE Germany

DK Denmark

ES Spain

FI Finland

FR France

GB Great Britain & Northern Ireland

GR Greece

IE Ireland

IT Italy

LU Luxembourg

NL Netherlands

NO Norway

PT Portugal

SE Sweden

Part A Organic and in-conversion land area and holdings

As mentioned above, the situation within Europe varies with respect to legal definitions, certification procedures and financial support for organic farming. Therefore several categories of organic and in-conversion land area and holdings can occur in each country, all of which are considered in this report.

Certified land and holdings

Sections 2 and 3 concern data on the certified land area and number of holdings, both fully organic and in-conversion. This includes land area and holdings certified under EC Reg. 2092/91, and any other certification by state or private sector bodies not included in 2092/91, for example because of the lack of an EU regulation for livestock. Due to the way in which such data are recorded in some countries, it has proved impossible to isolate land area and holdings which are certified exclusively according to EC Reg. 2092/91, or to distinguish between fully organic and in-conversion land area and holdings.

Land area under organic production more than tripled in the EU between 1993 and 1998, increasing from 0.7 Mha on 29 thousand holdings to 2.71 Mha on 104 thousand holdings. In 1998, organic farming represented 2.1% of total UAA both in the EU and in all 18 study countries compared to 1.67% and 1.68% respectively in 1997. This figure varies considerably between countries, ranging from less than 1% of total farm land in the majority of countries (BE, FR, GR, IE, LU, NL, PT) to over 5% in FI and IT, with CH and AT continuing to have the highest share with over 7% and 8% respectively. ES, GB and CZ have now passed the 1% mark with 1%, 1.7% and 2% respectively.

Agri-environment programme (EC Reg. 2078/92) supported land and holdings

Sections 4 and 5 concern organic and in-conversion land area and holdings that qualify for payments under the EU agri-environment programme (EC Reg. 2078/92). The majority of such holdings are certified (organic or in-conversion) as this is a requirement for payments in most countries. However, in Sweden, some German *Länder* and some regions of Italy such a requirement does not exist and therefore some uncertified land is included in these figures.

The majority of organic aid schemes under EC Reg. 2078/92 were not fully implemented by member states until 1996. By 1998, there was a fifteen-fold increase in the number of organic and in-conversion holdings receiving such support in the EU, from just under 6 000 in 1994 (covering 0.1 Mha) to 85 000 in 1998 (covering an area of over 1.8 Mha). When the total number of agreements under EC Reg. 2078/92 are taken into account, the organic farming share increased from 1.2% of total agreements in 1994 to 5.11% in 1998 (Table 5-3). Uptake varies between countries, from less than 500 agreements in BE, GB, NL, LU and PT to over 10 000 in Germany, 13 500 in Sweden, 18 800 in Austria and approximately 25 000 in Italy. As a percentage of total agri-environment agreements in each country, uptake is lowest in Luxembourg and Portugal with less than 1%, while in DK, ES, GR, IT and SE over 10% of agreements relate to the organic option. A significant increase in uptake of the organic option was witnessed in Spain between 1997 and 1998.

Total policy-supported land and holdings

Sections 6 and 7 include all organic and in-conversion land area and holdings supported under the agri-environment programme (EC Reg. 2078/92), the extensification programme (EC Reg. 4115/88), and under national organic support schemes. In those countries that do

not require policy-supported organic production to be certified, these figures will include both certified and uncertified land and holdings.

In 1998, there were more than 85 500 policy-supported organic holdings in the EU on 1.85Mha. Unlike previous years (1993-1997) the majority of EU policy supported organic land and holdings were registered under the agri-environment programme and only Luxembourg, and to a lesser extent Germany, still had a few hectares registered under the old extensification scheme in 1998. For 1998, therefore, the figures for the EU correspond largely with those of the previous two sections (agri-environment supported land and holdings), in comparison to 1997 where Germany, for example, still had almost 4 000 holdings supported under EC Reg. 4115/88 in Germany covering just over 0.13 Mha.

Total certified and policy-supported land and holdings

Sections 8 and 9 provide an overview of the total certified and policy-supported land area and holdings. For the majority of countries, which require policy-supported organic production to be certified, the data presented are the same as in Sections 2 and 3. In Sweden and Germany, however, organic certification is (or was) not always a requirement. In these two cases, the values for policy-supported land and holdings presented in Sections 6 and 7 have, for the most part, been used. As it is not possible to identify which certified holdings receive policy support (most do), and which policy-supported holdings are certified (many are not), these values should be seen as a lower estimate of the actual situation.

In 1998, total certified and policy-supported organic and in-conversion land area in the EU amounted to 2.8 Mha on 116 000 farms, representing 2.19 % of the total utilisable agricultural area and 1.66 % of total EU holdings. This represents an annual growth rate of approximately 23% between 1997 and 1998. When the three non-EU study countries are taken into account, total certified and policy-supported organic and in-conversion land area accounts for 2.22% of UAA and 1.7% of total holdings.

2 Certified organic and in-conversion land area

Table 2-1, Figure 2-1 and Figure 2-2 present data on certified land area, both fully organic and in conversion. For most countries, these data are for land that is certified according to EC Reg. 2092/91. Land certified according to other national regulations (e.g. AT, FI, SE pre 1995; NO pre 1996, CH and CZ) is also included.

In all countries except Germany and Greece, the data also include land used solely for livestock production, although livestock production was not currently covered by EC Reg. 2092/91 during the years presented here. Data in the strict sense of EC Reg. 2092/91 are not available for these countries. In Greece, no organic livestock production has been recognised up to now, and in Germany, not all livestock-only enterprises are included in the EC Reg. 2092/91 data shown in the table. Data on certified production from AGÖL, the German umbrella organisation of producer associations, are presented as a footnote. These data include livestock-only holdings, but AGÖL members do not certify all holdings registered under EC Reg. 2092/91. The degree of overlap between the two sets of data cannot at present be identified.

Table 2-1: Certified organic and in-conversion land area (ha)¹

	1993	1994	1995	1996	1997	1998
AT	135 982	192 337	335 865	309 089	345 375	287 900 ²
BE	2 179	2 683	3 385	4 261	6 654	11 744
DE³	246 458	272 139	309 487	354 171	389 693	416 518
DK	20 090	21 145	40 884	46 171	64 366	99 161
ES	11 674	17 208	24 079	103 735	152 105	269 465
FI	20 340	25 822	44 695	84 556	102 342	126 176
FR	87 829	94 806	118 393	137 084	165 405	218 790
GB	30 992	32 476	48 448	49 535	106 000 ⁴	274 519 ⁴
GR	591	1 188	2 401	5 269	10 000	15 402
IE	5 459	5 390	12 634	20 496	23 591	28 704
IT	88 437	154 120	204 494	334 175	641 149	785 738
LU	497	538	571	594	618	777
NL	11 150	11 340	12 909	14 456	16 960	19 323
PT	3 060	7 267	10 719	9 191	12 193	24 902
SE	36 674	48 039	83 490	113 995	118 175	127 330
CH	20 784	25 230	31 815	58 741	71 790	77 842
CZ	15 667	15 818	14 127	16 932	20 241	71 620
NO	3 778	4 520	5 768	7 897	11 706	15 581
EU 15	701 412	886 498	1 252 454	1 586 778	2 154 625	2 706 449
ALL 18	741 641	932 066	1 304 164	1 670 348	2 258 362	2 871 492

Source: Own data from national agricultural administrations and certification bodies.

Estimates shown in *italics*.

¹ Data at 31.12

² Reduction in area (97-98) because high altitude, seasonally-used farmland is not included in 98 figures

³ AGÖL certified land area:

1993: 161 729, 1994:181 008, 1995:310 482, 1996: 327 329, 1997: 352 398, 1998: 357 715

⁴ Data at 04.98 and 04.99 respectively

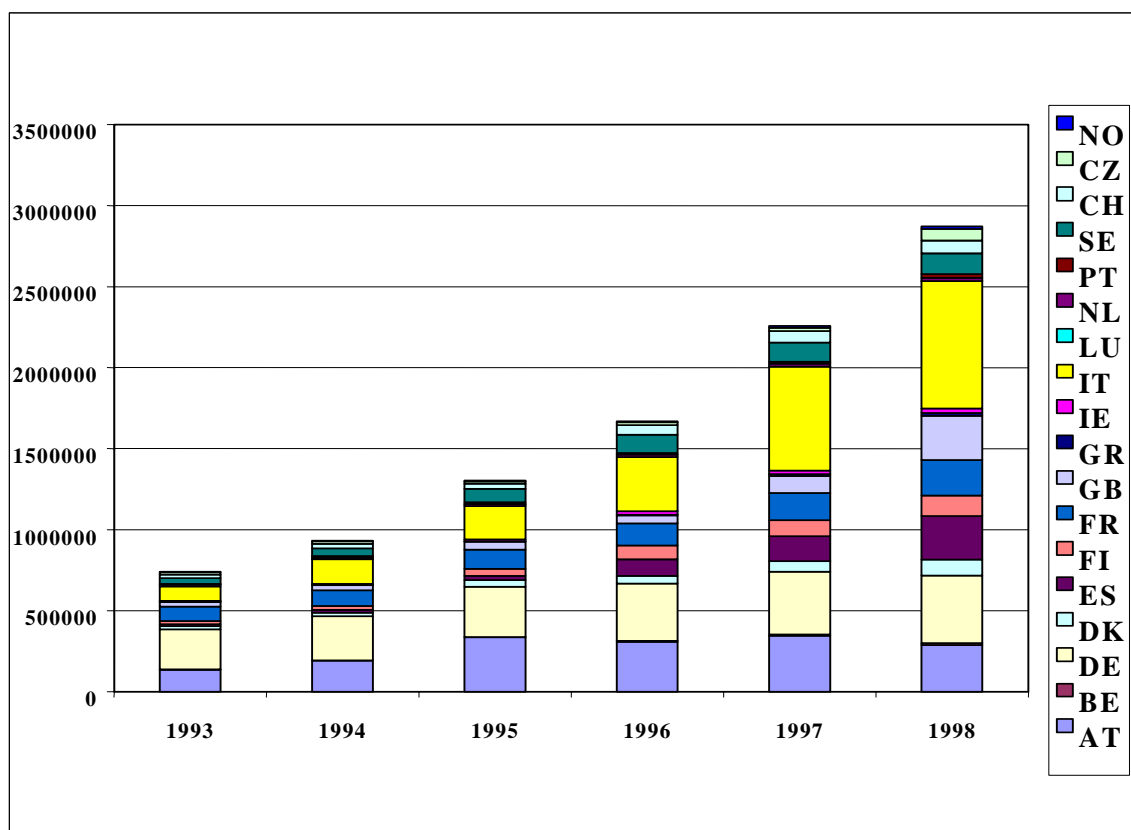


Figure 2-1: Certified organic and in-conversion land area (ha), total by year

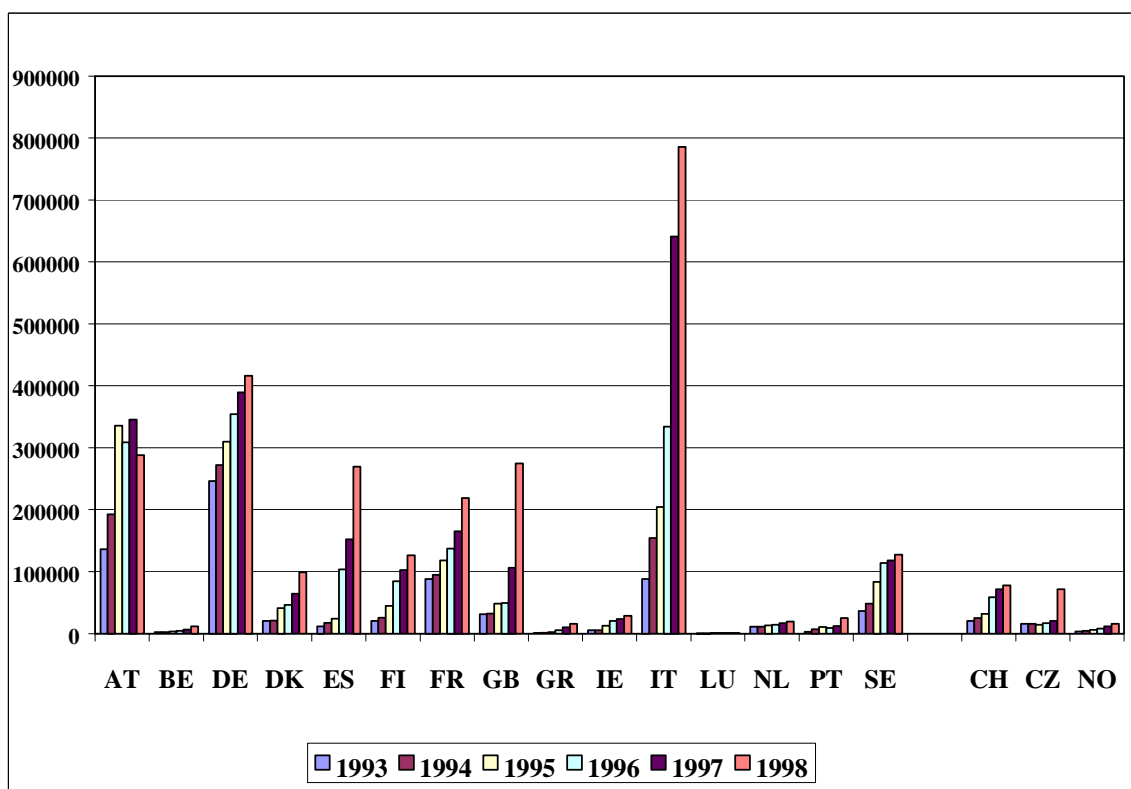


Figure 2-2: Certified organic and in-conversion land area (ha), by country and year

Table 2-2 and Figure 2-3 show the certified organic and in-conversion land area from Table 2-1 as a percentage of total 1998 utilisable agricultural area (UAA) in each country.

Table 2-2: Certified organic and in-conversion land area as % of 1998 utilisable agricultural area

	1993	1994	1995	1996	1997	1998	Total UAA (‘98) 1 000 ha
AT	3.98%	5.63%	9.83%	9.05%	10.11%	8.43%	3 415
BE	0.16%	0.19%	0.24%	0.31%	0.48%	0.85%	1 383
DE	1.44%	1.59%	1.80%	2.06%	2.27%	2.43%	17 160
DK	0.75%	0.79%	1.52%	1.72%	2.39%	3.69%	2 689
ES	0.05%	0.07%	0.09%	0.40%	0.59%	1.05%	25 630
FI	0.94%	1.19%	2.06%	3.89%	4.71%	5.81%	2 172
FR	0.31%	0.33%	0.42%	0.48%	0.58%	0.77%	28 331
GB	0.19%	0.20%	0.30%	0.31%	0.66%	1.70%	16 169
GR	0.02%	0.03%	0.07%	0.15%	0.29%	0.44%	3 499
IE	0.13%	0.12%	0.29%	0.47%	0.54%	0.66%	4 342
IT	0.60%	1.04%	1.38%	2.25%	4.32%	5.30%	14 833
LU	0.39%	0.42%	0.45%	0.47%	0.49%	0.61%	127
NL	0.55%	0.56%	0.64%	0.72%	0.84%	0.96%	2 011
PT	0.08%	0.19%	0.28%	0.24%	0.32%	0.65%	3 822
SE	1.18%	1.55%	2.69%	3.67%	3.80%	4.10%	3 109
CH	2.00%	2.43%	3.06%	5.65%	6.90%	7.48%	1 040
CZ	0.44%	0.45%	0.40%	0.48%	0.57%	2.03%	3 521
NO	0.37%	0.44%	0.57%	0.77%	1.15%	1.53%	1 020
EU 15	0.55%	0.69%	0.97%	1.23%	1.67%	2.10%	128 692
ALL 18	0.55%	0.69%	0.97%	1.24%	1.68%	2.14%	134 273

Source: Own data and "Agriculture in the European Union" (Eurostat, 1999)

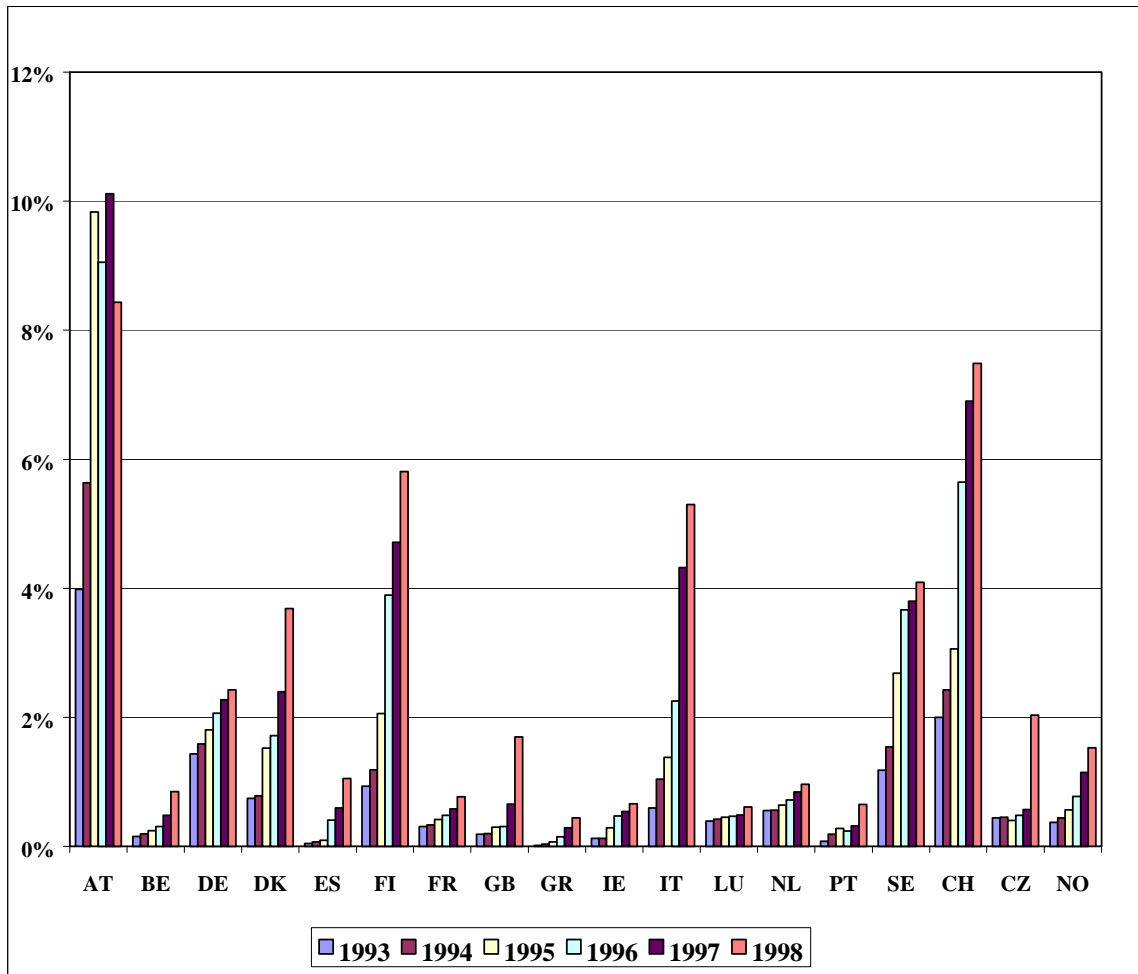


Figure 2-3: Certified organic and in-conversion land area as % of 1998 UAA

3 Certified organic and in-conversion holdings

Table 3-1, Figures 3-1 and 3-2 present data on the number of certified holdings, both fully organic and in-conversion. For most countries, these data are for holdings that are certified according to EC Reg. 2092/91. Holdings certified according to other national regulations (e.g. AT, FI, SE pre 1995; NO pre 1996, CH and CZ) are also included.

In all countries except Germany and Greece, the data also include livestock-only holdings. Data in the strict sense of EC Reg. 2092/91 are not available for these countries. In Greece, no organic livestock production has been recognised up to now, and in Germany, not all livestock-only enterprises are included in the EC Reg. 2092/91 data shown in the table. Data on certified production available from AGÖL, the German umbrella organisation of producer associations, are presented as a footnote. These data include livestock-only holdings, but AGÖL members do not certify all holdings registered under EC Reg. 2092/91. The degree of overlap between the two sets of data cannot at present be identified.

Table 3-1: Certified organic and in-conversion holdings (n)¹

	1993	1994	1995	1996	1997	1998
AT	9 713	13 321	18 542	19 433	19 996	20 207
BE	160	168	193	228	324	421
DE²	5 091	5 866	6 642	7 353	8 184	9 209
DK	640	677	1 050	1 166	1 617	2 228
ES	753	909	1 042	2 161	3 526	7 782
FI	1 599	1 818	2 793	4 452	4 381	4 975
FR	3 231	3 556	3 538	3 854	4 784	6 139
GB	655	715	828	865	1 026	1 462
GR	165	469	568	1 065	2 523	4 183
IE	238	198	378	696	808	887
IT	4 656	8 597	10 630	17 279	30 844	42 238
LU	12	12	19	20	23	26
NL	455	512	561	656	746	962
PT	73	234	349	240	278	564
SE	1 507	1 695	2 473	2 741	2 733	2 870
CH	1 405	1 630	2 121	3 668	4 278	4 712
CZ	141	187	176	168	203	306
NO	501	551	728	946	1 310	1 589
EU 15	28 948	38 747	49 606	62 209	81 793	104 153
ALL 18	30 995	41 115	52 631	66 991	87 584	110 760

Source: Own data from national agricultural administrations and certification bodies

¹ Data at 31.12

² AGÖL certified holdings:

1993: 4 941, 1994: 5 275, 1995: 6 068, 1996: 6 465, 1997: 6 786, 1998: 7 147

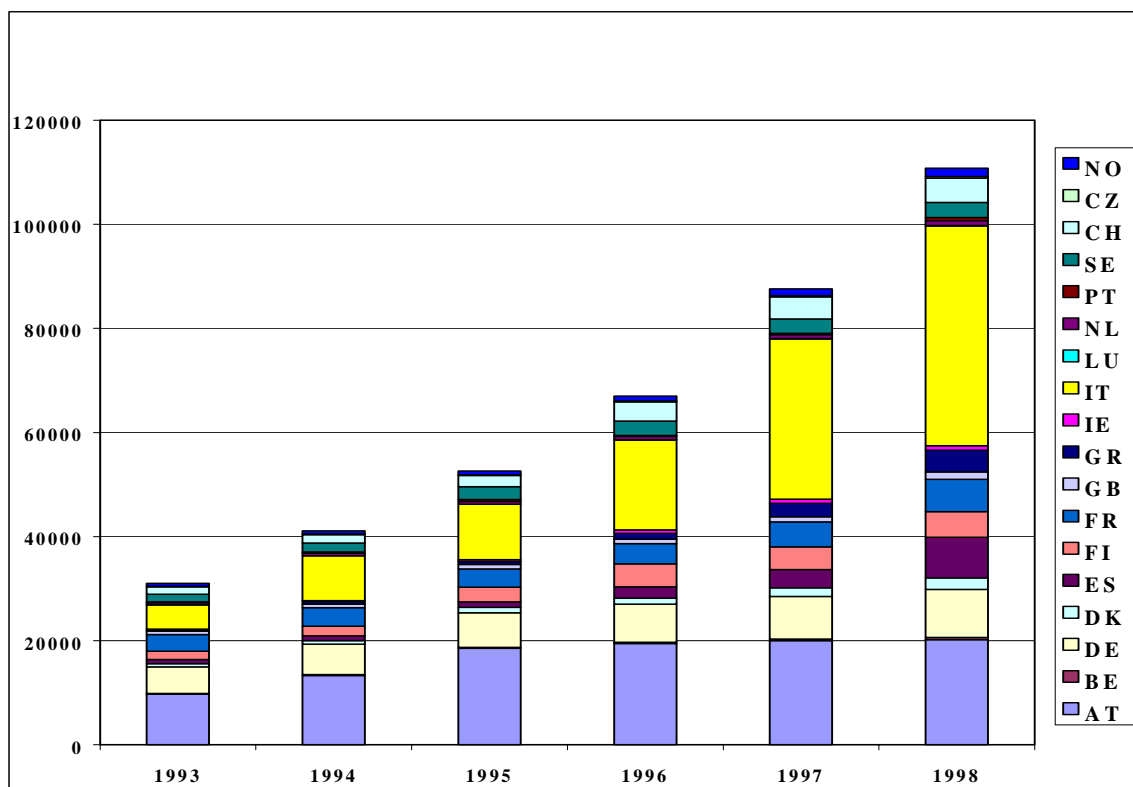


Figure 3-1: Certified organic and in-conversion holdings (n), total by year

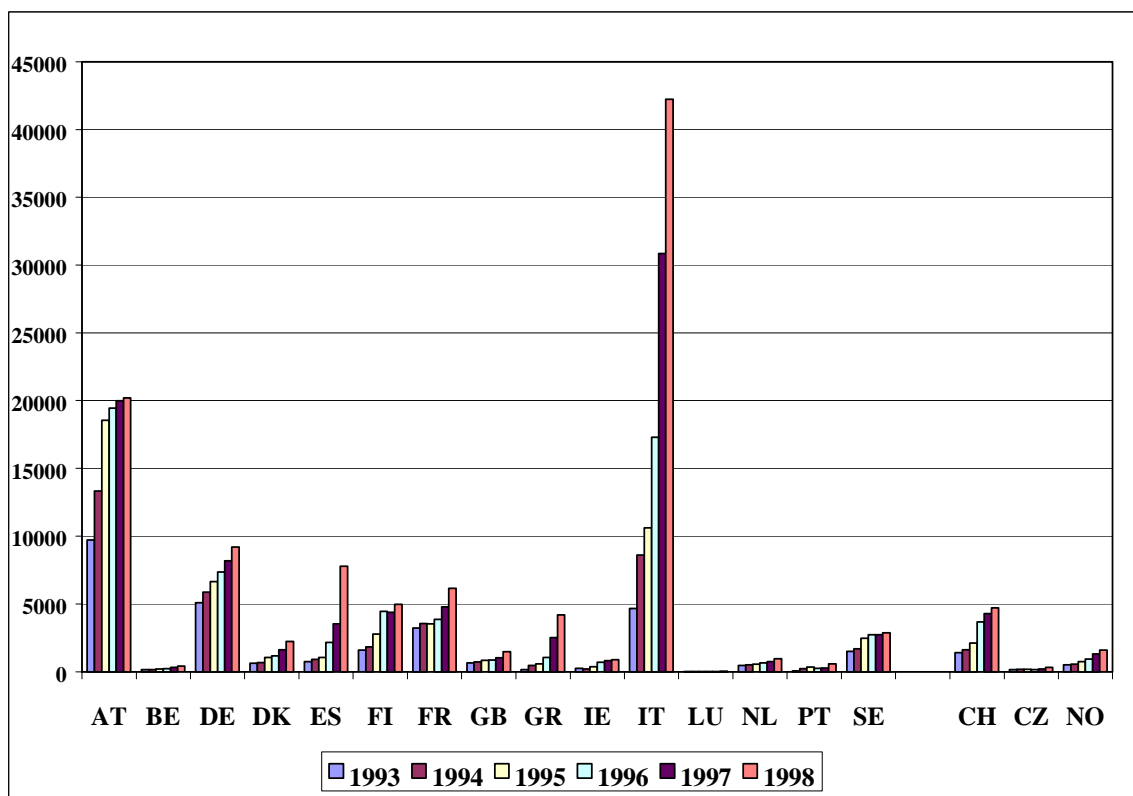


Figure 3-2: Certified organic and in-conversion holdings (n), by country and year

Table 3-2 and Figure 3-3 show the certified organic and in-conversion holdings from Table 3-1 as a percentage of 1997 total holdings in each country. 1997 is the most recent year for which data are available on total holdings for most countries.

Table 3-2: Certified organic and in-conversion holdings as % of 1997 total agricultural holdings

	1993	1994	1995	1996	1997	1998	Total holdings (‘97) 1 000 n
AT	4.63%	6.34%	8.83%	9.25%	9.52%	9.62%	210
BE	0.24%	0.25%	0.29%	0.34%	0.48%	0.63%	67
DE	0.95%	1.10%	1.24%	1.38%	1.53%	1.72%	534
DK	1.02%	1.07%	1.67%	1.85%	2.57%	3.54%	63
ES	0.06%	0.08%	0.09%	0.18%	0.29%	0.64%	1 208
FI	1.76%	2.00%	3.07%	4.89%	4.81%	5.47%	91
FR	0.48%	0.52%	0.52%	0.57%	0.70%	0.90%	680
GB	0.28%	0.31%	0.36%	0.37%	0.44%	0.63%	233
GR	0.02%	0.06%	0.07%	0.13%	0.31%	0.51%	821
IE	0.16%	0.13%	0.26%	0.47%	0.55%	0.60%	148
IT	0.20%	0.37%	0.46%	0.75%	1.33%	1.82%	2 315
LU	0.40%	0.40%	0.63%	0.67%	0.77%	0.87%	3
NL	0.42%	0.47%	0.52%	0.61%	0.69%	0.89%	108
PT	0.02%	0.06%	0.08%	0.06%	0.07%	0.14%	417
SE	1.67%	1.88%	2.75%	3.05%	3.04%	3.19%	90
CH	1.86%	2.16%	2.81%	4.85%	5.66%	6.23%	75.6 ¹
CZ	0.51%	0.68%	0.64%	0.61%	0.74%	1.11%	27.6 ¹
NO	0.74%	0.81%	1.07%	1.39%	1.93%	2.34%	68 ¹
EU 15	0.41%	0.55%	0.71%	0.89%	1.17%	1.49%	6 988
ALL 18	0.43%	0.57%	0.74%	0.94%	1.22%	1.55%	7 159

Source: Own data and "Agriculture in the European Union" (Eurostat, 1999)

¹ Total holdings 1998

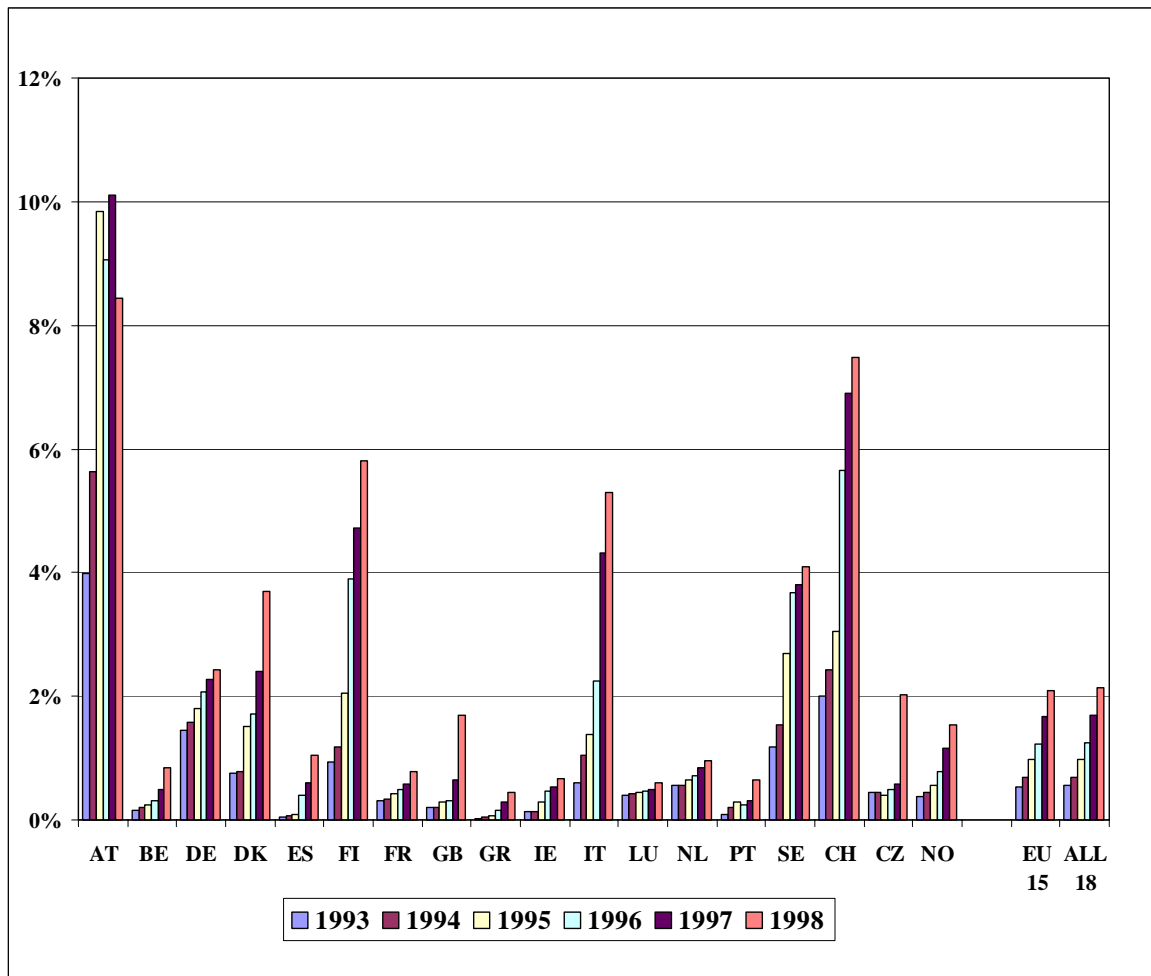


Figure 3-3: Certified organic and in-conversion holdings as % of 1997 total agricultural holdings

4 Agri-environment programme (EC Reg. 2078/92) supported organic and in-conversion land area

Table 4-1, Figure 4-1 and Figure 4-2 show the organic and in-conversion land area supported under the agri-environment programme (EC Reg. 2078/92). In most countries, only certified organic and in-conversion land area qualifies for such payments, but not all certified land is necessarily eligible or entered for support. However, for those countries where certification is **not** a requirement (SE and some regions in DE and IT) the data include both certified and uncertified land (see also Section 8).

Table 4-1: Agri-environment programme (EC Reg. 2078/92) supported organic and in-conversion land area (ha)

	1993	1994	1995	1996	1997	1998
AT ¹	0	0	197 952	248 387	256 980	257 172
BE	0	0	0	2 709	3 401	11 299
DE	0	69 257	112 864	156 261	229 486	358 332 ⁴
DK	920	15 156	20 934	30 244	50 281	83 375
ES ¹	0	0	0	25 000 ²	62 919	143 620
FI	0	0	32 861 ¹	75 927	89 403	102 892
FR	0	0	16 946	29 278	41 976 ¹	87 369
GB	0	151	19 709	23 262	29 127	53 510
GR	0	0	0	3 260	5 694	5 996
IE	nd	nd	nd	nd	nd	15 277
IT ¹	0	22 651	75 148	162 186	308 367	466 744
LU	0	0	0	0	0	718
NL	0	2 703 ¹	2 941	3 542 ³	4 640	9 155
PT	0	1 033 ¹	3 474 ¹	7 297	10 265	11 021 ¹
SE	0	0	86 824 ¹	162 312 ¹	205 185	243 657
EU 15	920	110 951	569 653	929 665	1 296 724	1 850 137

Source: 2078/92 statistical reports by Member State to EU Commission and national agricultural administrations

nd = no data; 0 = no support scheme implemented.

Estimates shown in *italics*. Data refer to 15.10 of each year unless otherwise indicated.

¹ Data at 31.12

² Own estimate based on three Ministry of Agriculture sources

³ Data at 15.4

⁴ The 1998 figure is lower than the actual figure because organic farming support in Sachsen is partly included under another measure (extensive grassland) and a small amount of hectares were still supported under the extensification scheme (EC Reg. 4115/88).

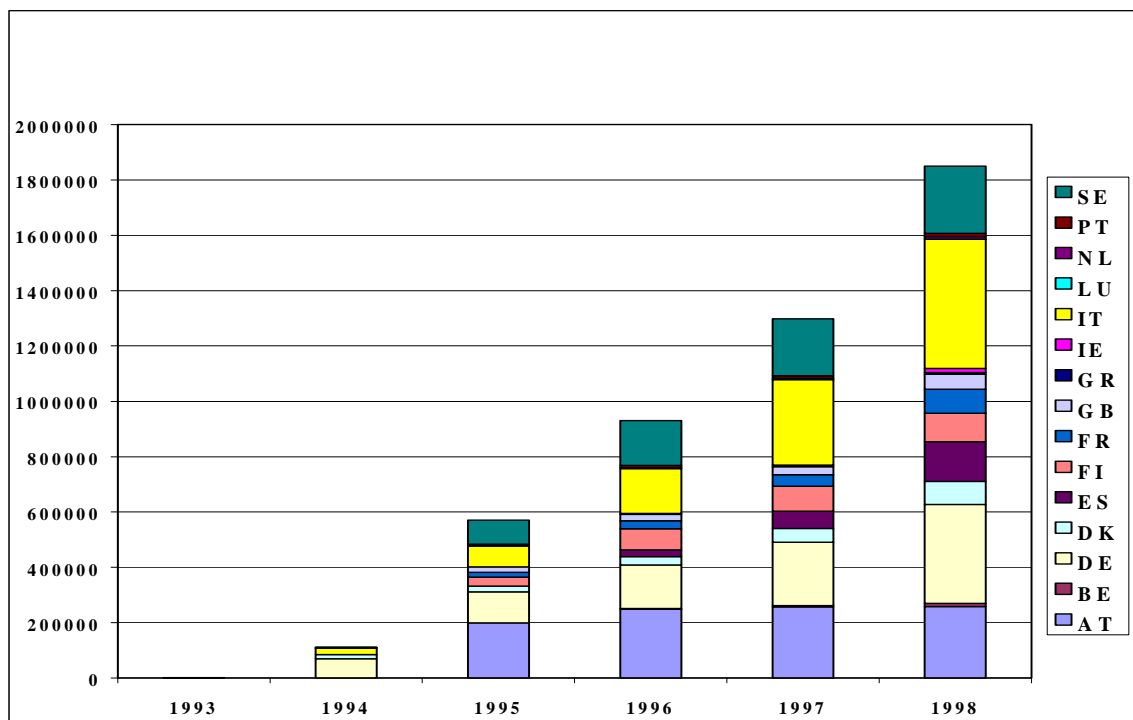


Figure 4-1: Agri-environment programme (EC Reg. 2078/92) supported organic and in-conversion land area (ha), total by year

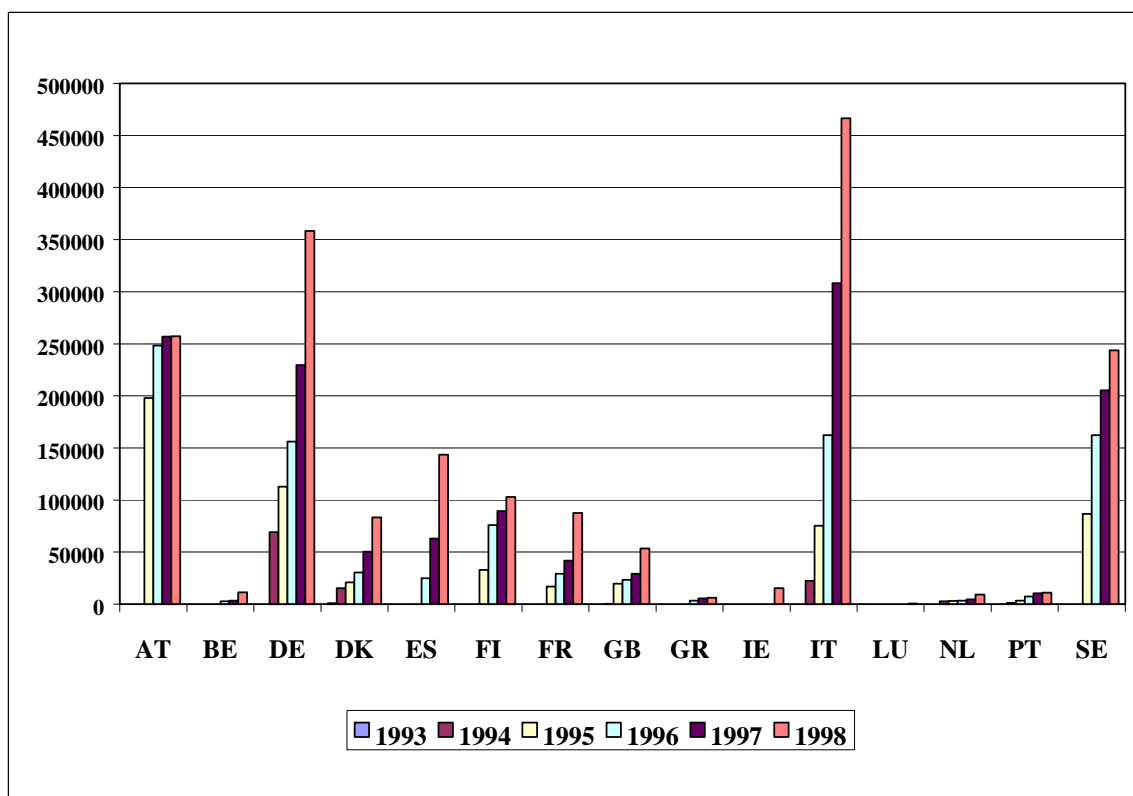


Figure 4-2: Agri-environment programme (EC Reg. 2078/92) supported organic and in-conversion land area (ha), by country and year

Table 4-2 shows the total land area supported by **all** agri-environment programme (EC Reg. 2078/92) measures, while Table 4-3 and Figure 4-3 show the organic and in-conversion supported land area (Table 4-1) as a percentage of the total agri-environment programme supported land in each year. Double counting exists where schemes are combinable. For some countries, the figures exclude double counting of basic payment agreements as indicated in the footnotes.

Table 4-2: *Total agri-environment programme (EC Reg. 2078/92) supported land area (ha)*

	1993	1994	1995	1996	1997	1998
AT ^{1,2}	0	0	2 960 621	3 212 862	3 200 000 ³	3 624 900
BE	0	0	0	12 879	18 959	26 394
DE ¹	0	4 527 108	4 961 851	5 247 266	5 509 111	4 984 411
DK	920	35 023	64 749	86 752	107 309	158 504
ES ²	0	0	0	550 000 ⁴	827 000 ⁴	925 813
FI ⁵	0	0	1 861 530	1 987 906	1 994 251	2 131 539
FR	nd	4 993 808	6 802 828	5 657 643	6 870 072	6 857 728
GB	154 255	386 442	531 588	1 208 923	1 408 818	2 516 518
GR	0	0	5 895	12 303	34 803	47 219
IE	0	0	198 377	652 347	961 068	1 089 589
IT ²	0	102 942	706 041	1 024 608	1 612 126	2 291 312
LU	0	0	0	0	94 392	109 432
NL	19 127	22 556	26 212	36 142	32 760	40 356
PT ^{2,5}	0	129 253	483 080	517 061	547 544	882 679
SE ²	0	0	710 000 ⁶	1 600 000 ⁶	1 760 000 ⁶	2 587 646
EU 15	174 302	10 197 132	19 312 772	21 806 692	24 978 213	28 274 040

Source: 2078/92 statistical reports by Member State to EU Commission and national agricultural administrations

nd = no data, 0 = no scheme implemented.

Estimates shown in *italic*

¹ Excluding double counting of basic payment agreements

² Data at 31.12

³ Own estimate based on 1996 values

⁴ Own estimates based on three Ministry of Agriculture sources

⁵ Mainland only

⁶ Estimate based on differing Swedish Board of Agriculture sources

Table 4-3: Agri-environment programme (EC Reg. 2078/92) supported organic and in-conversion land as % of total agri-environment programme supported land

	1993	1994	1995	1996	1997	1998
AT	na	na	6.69%	7.73%	8.03%	7.09%
BE	na	na	na	21.03%	17.94%	42.81%
DE	na	1.53%	2.27%	2.98%	4.17%	7.19%
DK	100% ¹	43.27%	32.33%	34.86%	46.86%	52.60%
ES	na	na	na	4.55%	7.61%	15.51%
FI	na	na	1.77%	3.82%	4.48%	4.83%
FR	na	na	0.25%	0.52%	0.61%	1.27%
GB	na	0.04%	3.71%	1.92%	2.07%	2.13%
GR	na	na	na	26.50%	16.36%	12.70%
IE	nd	nd	nd	nd	nd	1.40%
IT	na	22.0%	10.64%	15.83%	19.13%	20.37%
LU	na	na	na	na	na	0.66%
NL	na	11.98%	11.22%	9.80%	14.16%	22.69%
PT	na	na	0.72%	1.41%	1.87%	1.25%
SE	na	na	12.23%	10.14%	11.66%	9.42%
EU 15	0.53%	1.09%	2.95%	4.26%	5.20%	6.54%

Source: based on 2078/92 statistical reports by Member State to EU Commission and data from national agricultural administrations

nd = no data; na = not applicable as support scheme not implemented

¹ Organic farming scheme was the only agri-environment scheme implemented in 1993

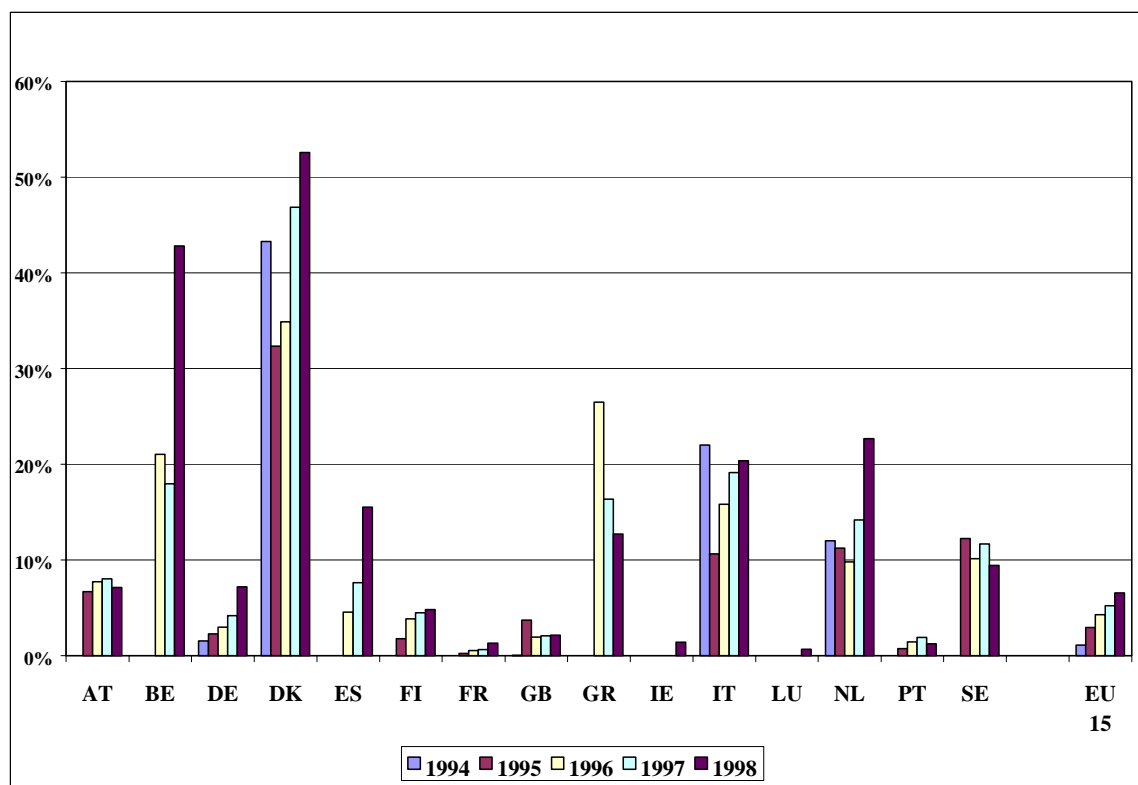


Figure 4-3: Agri-environment programme (EC Reg. 2078/92) supported organic and in-conversion land as % of total agri-environment programme supported land

5 Agri-environment programme (EC Reg. 2078/92) supported organic and in-conversion holdings

Table 5-1, Figure 5-1 and Figure 5-2 show the number of organic and in-conversion holdings supported under the agri-environment programme (EC Reg. 2078/92). In most countries, only certified organic and in-conversion holdings qualify for such payments, but not all certified holdings are necessarily eligible or entered for support. However, for those countries where certification is not a requirement (SE and some regions in DE and IT) the data include both certified and uncertified holdings (see also Section 9).

Table 5-1: Agri-environment programme (EC Reg. 2078/92) supported organic and in-conversion holdings (n)

	1993	1994	1995	1996	1997	1998
AT¹	0	0	15 917	18 322	18 485	18 820
BE	0	0	0	107	145	231
DE	0	3 379	5 588	6 510	8 422	10 684
DK	82	535	706	1 254	1 452	1 975
ES¹	0	0	0	688	1 545	4 690
FI	0	0	2 216 ¹	4 065	4 161	4 936
FR	0	0	639	1 184	1 554	2 922
GB	0	5	94	162	296	438
GR	0	0	0	689	1221	1 298
IE	nd	nd	nd	nd	nd	585
IT¹	0	1 613	4 815	9 304	17 121	25 000
LU	0	0	0	0	0	15
NL	0	135 ¹	150	209 ²	265	353
PT	0	47 ¹	119 ¹	173	226	135 ¹
SE¹	0	0	4 206	8 268	10 869	13 527
EU 15	82	5 714	34 450	50 935	65 762	85 609

Source: 2078/92 statistical reports by Member State to EU Commission

nd = no data; 0 = no support scheme implemented

Estimates shown in *italics*.

Data refer to 15.10 of each year unless otherwise indicated.

¹ Data at 31.12

² Data at 15.4

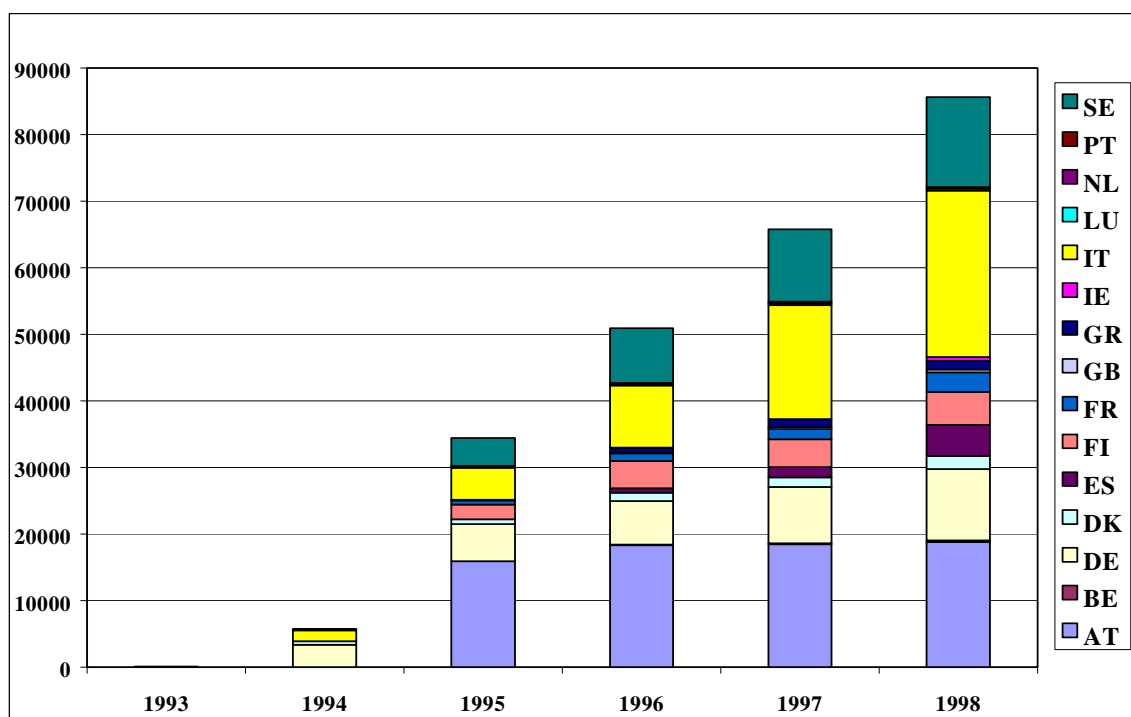


Figure 5-1: Agri-environment programme (EC Reg. 2078/92) supported organic and in-conversion holdings (n), total by year

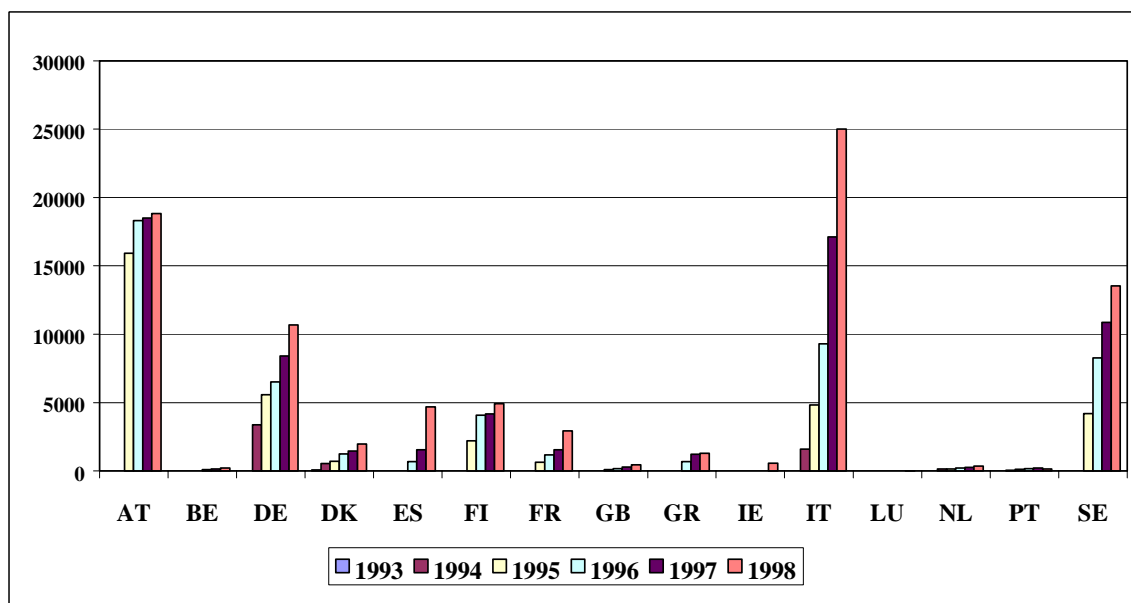


Figure 5-2: Agri-environment programme (EC Reg. 2078/92) supported organic and in-conversion holdings (n), by country and year

Table 5-2 shows the total number of agreements under **all** agri-environment programme (EC Reg. 2078/92) measures, while Table 5-3 and Figure 5-3 show the number of organic and in-conversion holdings supported (Table 5-1) as a percentage of the total agri-environment programme agreements in each year. It should be noted that as individual holdings can enter into more than one agreement, the number of agreements will be larger than the total number of holdings. Data on the latter are not available. For some countries, the figures exclude double counting of basic payment agreements as indicated in the footnotes.

Table 5-2: *Total agri-environment programme (EC Reg. 2078/92) agreements (n)*

	1993	1994	1995	1996	1997	1998
AT ^{1,2}	0	0	416 548	446 170	<i>440 000</i> ³	427 794
BE	0	0	0	1 230	1 824	2 469
DE ¹	nd	332 611	460 037	489 960	559 223	418 554
DK	82	2 228	5 190	7 453	7 975	8 500
ES ²	nd	nd	nd	<i>25 000</i> ⁴	<i>30 000</i> ⁴	36 540
FI ⁵	0	0	86 107	89 548	89 328	92 578
FR	nd	124 041	146 219	173 835	166 837	170 103
GB	3 466	6 410	8 961	18 860	22 315	26 381
GR	0	0	51	1 839	2 399	3 501
IE	0	0	6 028	19 647	28 565	32 166
IT ²	0	14 255	49 884	77 190	121 706	176 316
LU	0	0	0	0	1 908	2 667
NL	3 701	3 803	4 143	6 819	7 391	8 370
PT ^{5,2}	0	nd	nd	121 712	132 924	142 105
SE ²	0	0	<i>34 000</i> ⁶	<i>71 000</i> ⁶	<i>75 000</i> ⁶	126 566
EU 15	7 249	483 348	1 217 168	1 550 263	1 687 395	1 674 610

Source: 2078/92 statistical reports by Member State to EU Commission and national agricultural administrations

nd = no data, 0 = no scheme implemented.

Estimates shown in italics.

¹ Excluding double counting of basic payment agreements

² Data at 31.12

³ Own estimate based on 1996 values

⁴ Own estimate based on three Ministry of Agriculture sources

⁵ Mainland only

⁶ Own estimate based on differing Swedish Board of Agriculture sources

Table 5-3: Agri-environment programme (EC Reg. 2078/92) supported organic and in-conversion holdings as % of total agri-environment programme agreements

	1993	1994	1995	1996	1997	1998
AT	na	na	3.82%	4.11%	4.20%	4.40%
BE	na	na	na	8.70%	7.95%	9.36%
DE	na	1.02%	1.21%	1.33%	1.51%	2.55%
DK	100% ¹	24.01%	13.60%	16.83%	18.21%	23.24%
ES	na	na	na	2.75%	5.15%	12.84%
FI	na	na	2.57%	4.54%	4.66%	5.33%
FR	na	na	0.44%	0.68%	0.93%	1.72%
GB	na	0.08%	1.05%	0.86%	1.33%	1.66%
GR	na	na	na	37.47%	50.90%	37.08%
IE	nd	nd	nd	nd	nd	1.82%
IT	na	11.32%	9.65%	12.05%	14.07%	14.18%
LU	na	na	na	na	na	0.56%
NL	na	3.55%	3.62%	3.06%	3.59%	4.22%
PT	na	na	nd	0.14%	0.17%	0.10%
SE	na	na	5.92%	11.65%	14.49%	10.69%
EU 15	1.13%	1.18%	2.83%	3.29%	3.90%	5.11%

Source: based on 2078/92 statistical reports by Member State to EU Commission and national agricultural administrations

nd = no data; na = not applicable as support scheme not implemented

¹ Organic farming scheme was the only 2078/92 measure implemented in 1993

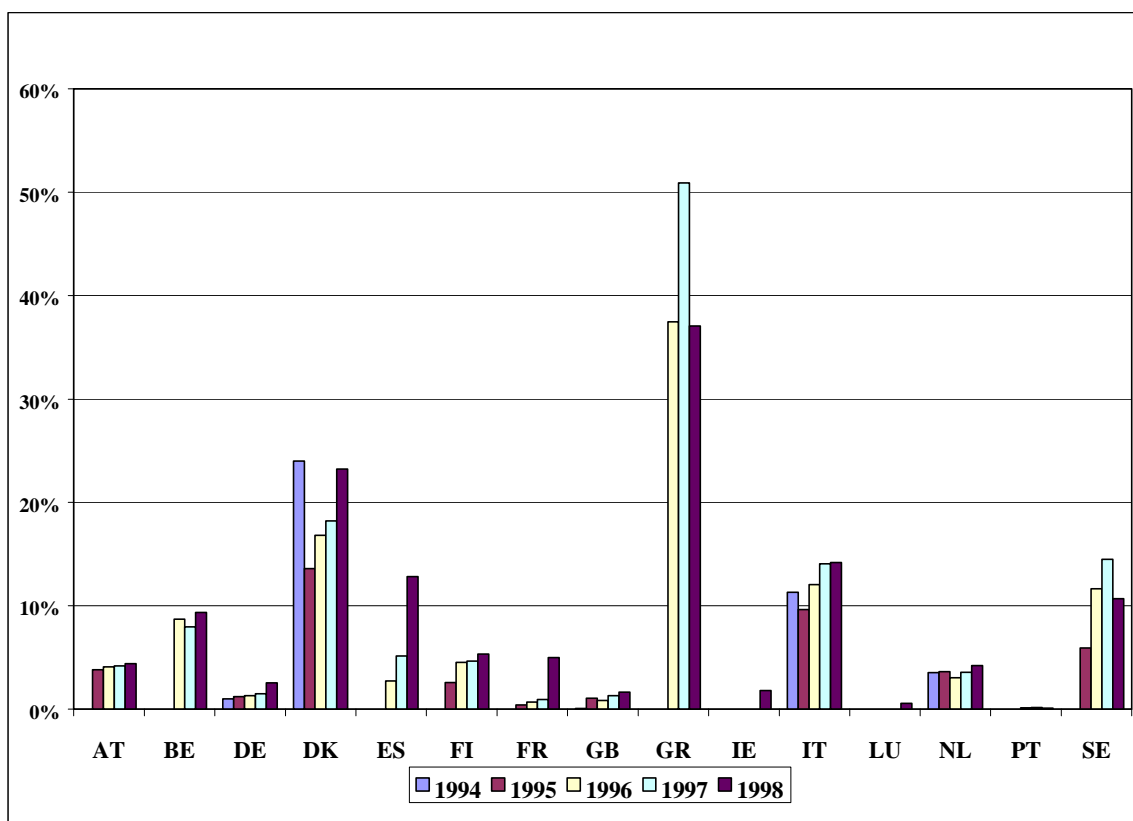


Figure 5-3: Agri-environment programme (EC Reg. 2078/92) supported organic and in-conversion holdings as % of total agri-environment programme agreements

6 Total policy-supported organic and in-conversion land area

In addition to the land area supported under the agri-environment programme (EC Reg. 2078/92) (see Section 4), organic farming has also been supported:

- under the EU extensification programme (EC Reg. 4115/88) in DE, FR and LU;
- by national programmes in DK before 1994 and in SE, FI and AT before EU accession in 1995; and
- by national programmes in the non-EU countries studied.

Table 6-1, Figure 6-1 and Figure 6-2 show the total organic and in-conversion land area supported by these different measures (including EC Reg. 2078/92) between 1993 and 1997. In most countries, only certified organic and in-conversion land qualifies for such payments, but not all certified land is necessarily eligible or entered for support. However, for those countries where certification is or was not a requirement (SE and some regions in DE and IT), the data include both **certified and uncertified** land (see also Section 8).

Table 6-1: Total policy-supported organic and in-conversion land area (ha)

	1993	1994	1995	1996	1997	1998
AT ¹	103 960	153 825	197 952	248 387	256 980	257 172
BE	0	0	0	2 709	3 401	11 299
DE	372 843 ²	445 267	461 549	475 746	365 615	358 332 ⁵
DK	920	15 156	20 934	30 244	50 281	83 375
ES ¹	0	0	0	25 000 ³	62 919	143 620
FI	22 240 ¹	26 327 ¹	32 861 ¹	75 927	89 403	102 892
FR	0	0	16 946	29 278	41 976 ¹	87 369
GB	0	151	19 709	23 262	29 127	53 510
GR	0	0	0	3 260	5 694	5 996
IE	nd	nd	nd	nd	nd	15 277
IT ¹	0	22 651	75 148	162 186	308 367	466 744
LU	497 ²	519 ²	559 ²	559 ²	607 ²	775
NL	0	2 703 ¹	2 941	3 542 ⁴	4 640	9 155
PT	0	1 033 ¹	3 474 ¹	7 297	10 265	11 021 ¹
SE	7 916	6 930	86 824 ¹	162 312 ¹	205 185	243 657
CH ¹	18 908	21 223	29 596	53 982	67 189	71 166
CZ	0	0	0	0	0	50 000
NO ¹	nd	3 457	3 654	4 127	6 394	10 795
EU 15	508 376	674 562	918 897	1 249 709	1 434 460	1 852 225
ALL 18	527 284	699 242	952 147	1 307 818	1 508 043	1 984 186

Sources: 2078/92 statistical reports by Member State to EU Commission, and national agricultural administrations.

nd = no data; 0 = no support scheme implemented

Estimates shown in *italics*. Data refer to 15.10 of each year unless otherwise indicated.

¹ Data at 31.12

² Extensification scheme land area only (EC Reg. 4115/88)

³ Own estimate based on three Ministry of Agriculture sources

⁴ Data at 15.04

⁵ 1998 figure lower than actual figure because organic farming support in Sachsen is partly included under another measure (extensive grassland) and a small amount of hectares were still supported under the extensification scheme (EC Reg. 4115/88).

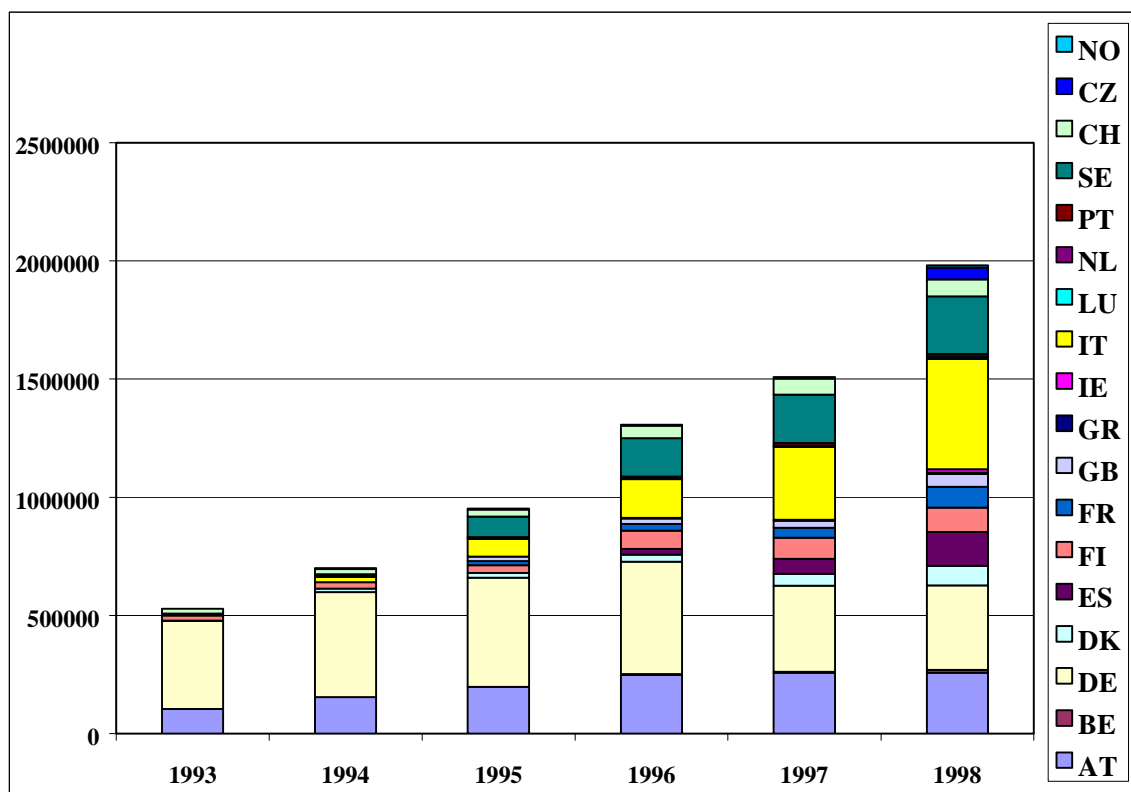


Figure 6-1: Total policy-supported organic and in-conversion land area (ha), total by year

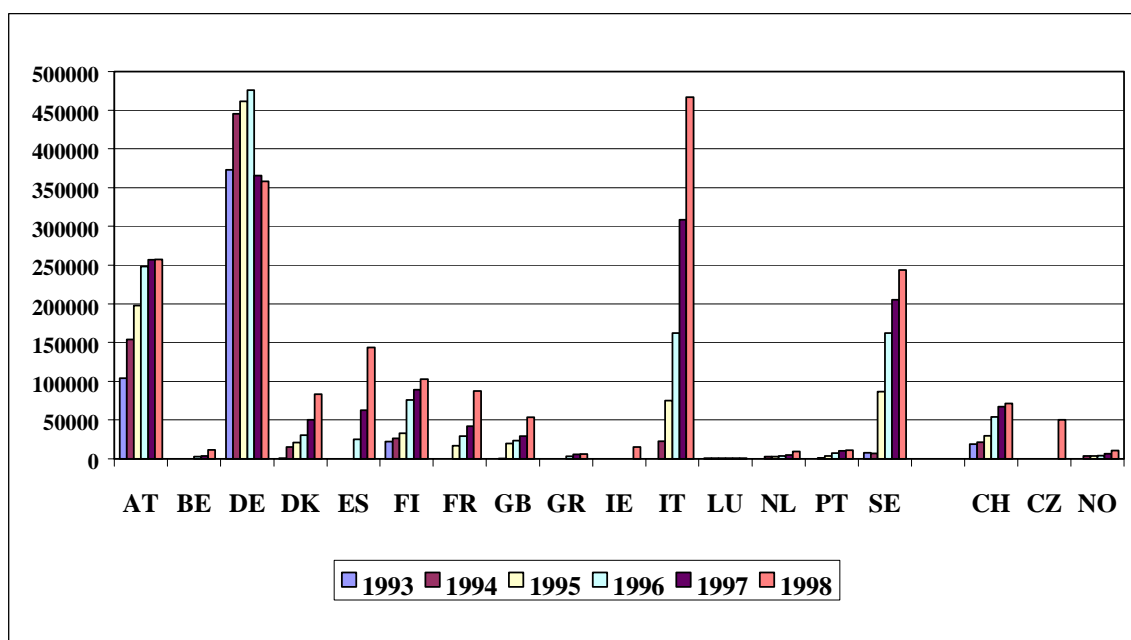


Figure 6-2: Total policy-supported organic and in-conversion land area (ha), by country and year

7 Total policy-supported organic and in-conversion holdings

In addition to the holdings supported under the agri-environment programme (EC Reg. 2078/92) (see Section 5), organic farming has also been supported:

- under the EU extensification programme (EC Reg. 4115/88) in DE, FR and LU;
- by national programmes in DK before 1994 and in SE, FI and AT before EU accession in 1995; and
- by national programmes in the non-EU countries studied.

Table 7-1, Figure 7-1 and Figures 7-2 show the total number of organic and in-conversion holdings supported by these measures (including EC Reg. 2078/92) between 1993 and 1997. In most countries, only certified organic and in-conversion holdings qualify for such payments, but not all certified holdings are eligible or entered for support. However, for those countries where certification is or was not a requirement (SE and some regions in DE and IT), the data include both **certified and uncertified** holdings (see also Section 9).

Table 7-1: Total policy-supported organic and in-conversion holdings (n)

	1993	1994	1995	1996	1997	1998
AT¹	8 414	11 568	15 917	18 322	18 485	18 820
BE	0	0	0	107	145	231
DE	11 248 ²	14 727	15 055	14 106	12 368	10 684
DK	82	535	706	1 254	1 452	1 975
ES¹	0	0	0	688	1 545	4 690
FI	1 350 ¹	1 531 ¹	2 216 ¹	4 065	4 161	4 936
FR	0	0	639	1 184	1 554	2 922
GB	0	5	94	162	296	438
GR	0	0	0	689	1 221	1 298
IE	nd	nd	nd	nd	nd	585
IT¹	0	1 613	4 815	9 304	17 121	25 000
LU	9 ²	9 ²	9 ²	9 ²	12	16
NL	0	135 ¹	150	209 ³	265	353
PT	0	47 ¹	119 ¹	173	226	135 ¹
SE	390	386	4 206 ¹	8 268 ¹	10 869	13 527
CH¹	1 228	1 359	1 916	3 389	3 978	4 940
CZ	0	0	0	0	0	140
NO¹	467	500	611	844	1 201	1 913
EU 15	21 493	30 556	43 926	58 540	69 720	85 610
ALL 18	23 188	32 415	46 453	62 773	74 899	92 603

Source: 2078/92 statistical reports by Member State to EU Commission and national agricultural administrations

nd = no data; 0 = no support scheme implemented

Estimates shown in *italics*.

Data refer to number of agreements at 15.10 of each year unless otherwise indicated.

¹ Data at 31.12

² Extensification scheme holdings only (EC Reg. 4115/88)

³ Data at 15.04

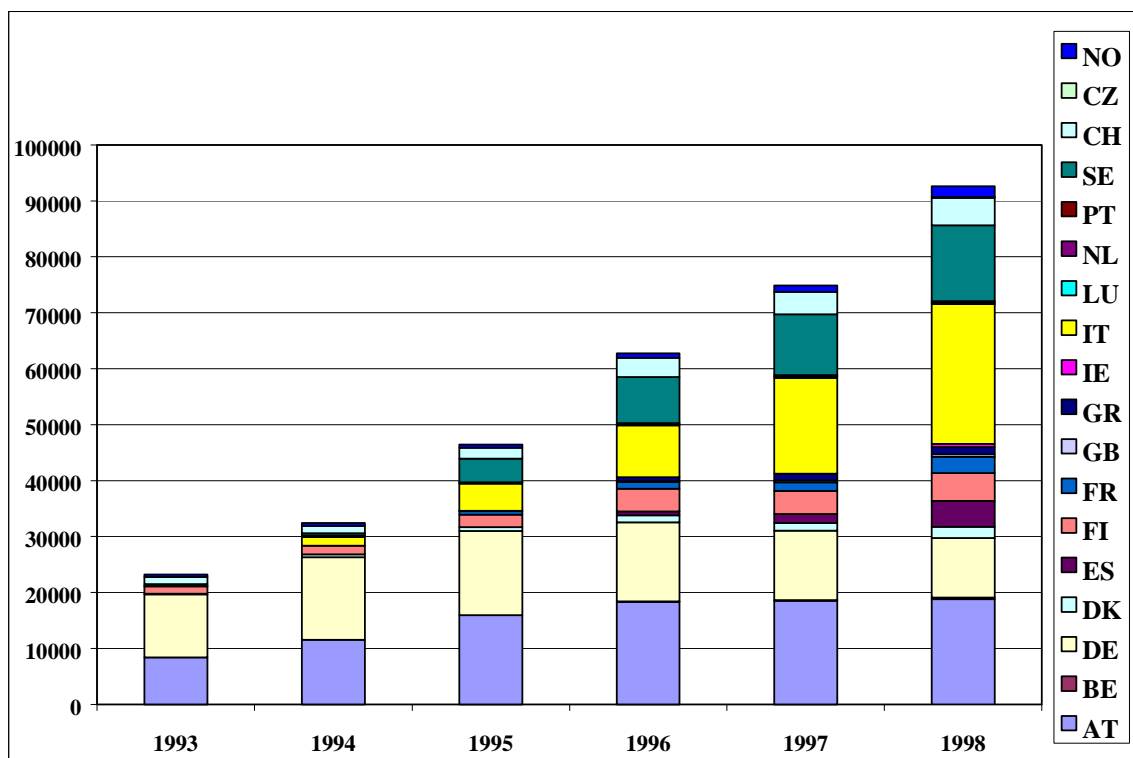


Figure 7-1: Total policy-supported organic and in-conversion holdings (n), total by year

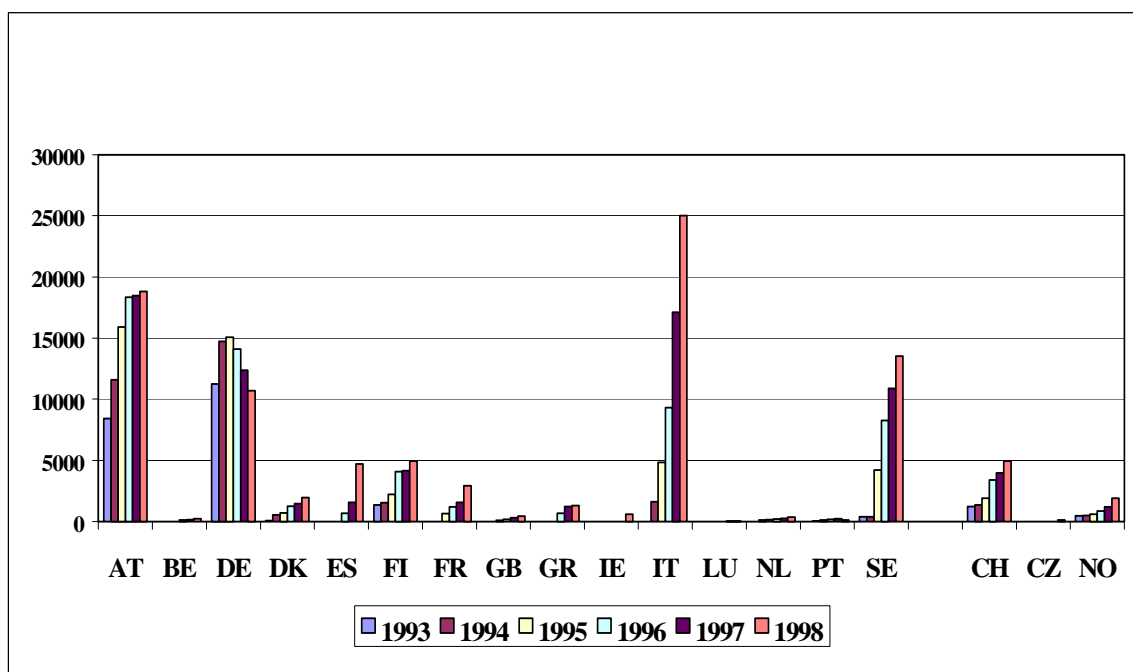


Figure 7-2: Total policy-supported organic and in-conversion holdings (n), by country and year

8 Total certified and policy-supported organic and in-conversion land area

In most cases, the data presented here correspond to the certified land area in Table 2-1, as nearly all policy-supported land is certified. There are three main exceptions to this.

In Italy, some regions do not require certification as a condition of policy support. It is not possible to identify the prevalence of uncertified land in the policy-supported land area, but it is likely to be small. In this case, the certified land area has been used, but the actual value is likely to be higher.

In Sweden, certification is not a requirement for policy support. For the years 1993 and 1994, data on the uncertified policy-supported land area are available and these have been combined with the certified area to form the totals for these two years. Since 1995, data on uncertified, policy-supported land area are no longer available. On the basis that there is more policy-supported than certified land, and that most certified land receives policy support (apart from permanent grassland), the policy-supported land area from Table 6-1 represents a lower estimate of the actual value.

In Germany, certification was not a requirement for policy support under the original extensification scheme (EC Reg. 4115/88), and is not a requirement in all *Länder* for the agri-environment scheme (EC Reg. 2078/92). As in Sweden, the total policy-supported area from Table 6-1 is used as a lower estimate for 1993 to 1996. Again, there is some certified land (set-aside and permanent grassland in some *Länder*, and fully organic land in Schleswig-Holstein) that is not policy-supported, but no data are available to provide an estimate of this. In 1997, many extensification agreements expired¹. As a result, there was a fall in the policy-supported land area, resulting in less policy-supported than certified land area. At the same time, the number of policy-supported holdings is still higher than the number of certified holdings. On the basis of the average land area of certified and policy-supported holdings, and consultations with experts and officials in Germany, the authors have derived an estimated value for 1997.

¹ Some holdings have transferred to organic farming schemes under the agri-environment programme – uncertified land in this situation will have become certified. Others have opted for support under other agri-environment schemes, particularly for permanent grassland and in situations where livestock farms have limited access to organic markets and therefore have to sell on the conventional market. Some uncertified land, and some converted land that is not eligible for ongoing support under the agri-environment programme (e.g. in Mecklenburg-Vorpommern) has also reverted to conventional production. There are no data available to define the extent of each of these changes.

Table 8-1: Total certified and policy-supported organic and in-conversion land area (ha)

	1993	1994	1995	1996	1997	1998
AT	135 982	192 337	335 865	309 089	345 375	287 900
BE	2 179	2 683	3 385	4 261	6 654	11 744
DE	372 843 ¹	445 267	461 549	475 746	450 000 ²	416 518
DK	20 090	21 145	40 884	46 171	64 366	99 161
ES	11 674	17 208	24 079	103 735	152 105	269 465
FI	20 340	25 822	44 695	84 556	102 342	126 176
FR	87 829	94 806	118 393	137 084	165 405	218 790
GB	30 992	32 476	48 448	49 535	106 000 ³	274 519 ⁴
GR	591	1 188	2 401	5 269	10 000	15 402
IE	5 459	5 390	12 634	20 496	23 591	28 704
IT	88 437	154 120	204 494	334 175	641 149	785 738
LU	497	538	571	594	618	777
NL	11 150	11 340	12 909	14 456	16 960	19 323
PT	3 060	7 267	10 719	9 191	12 193	24 902
SE	44 543	54 851	86 824	162 312	205 185	243 657
CH	20 784	25 230	31 815	58 741	71 790	77 842
CZ	15 667	15 818	14 127	16 932	20 241	71 620
NO	3 778	4 520	5 768	7 897	11 706	15 581
EU 15	834 666	1 066 438	1 407 850	1 756 670	2 301 943	2 822 776
ALL 18	875 895	1 112 006	1 459 560	1 840 240	2 405 680	2 987 819

Source: Own data collected from national agricultural administrations and certification bodies and 2078/92 statistical reports by Member State to EU Commission

Estimates shown in *italics*.

¹ Extensification scheme land area only (EC Reg. 4115/88)

² Own estimate. No reliable data available

³ Data at 04.98

⁴ Data at 04.99

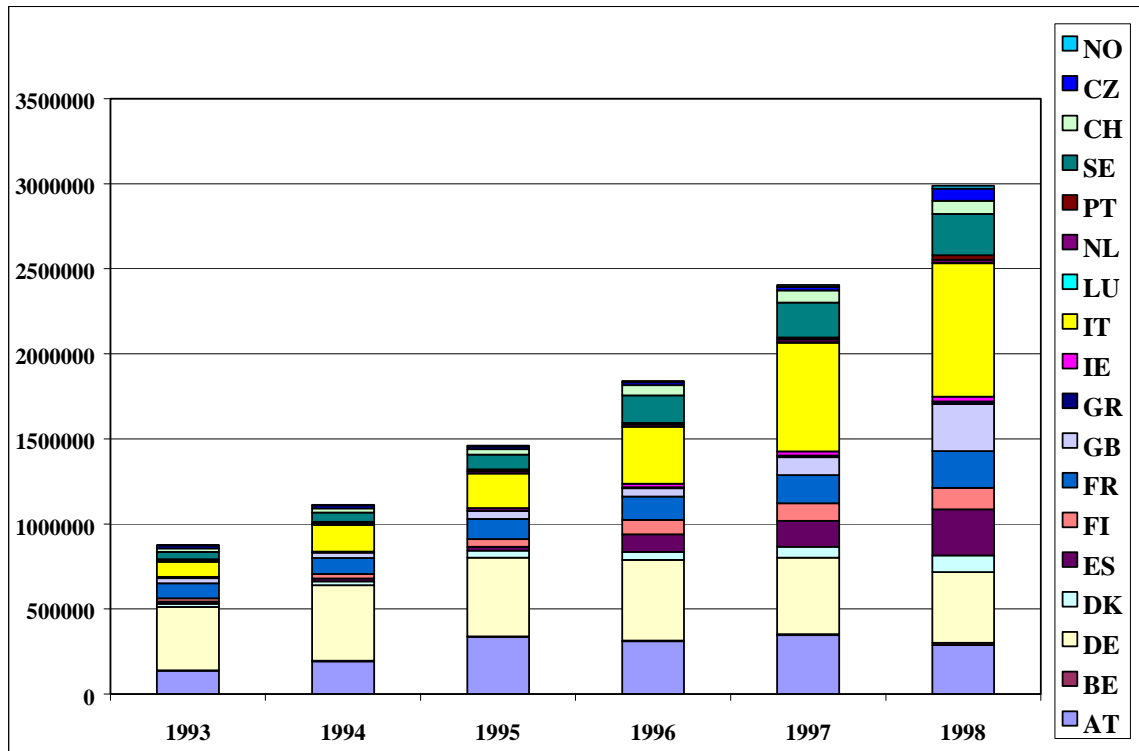


Figure 8-1: Total certified and policy-supported organic and in-conversion land area (ha), total by year

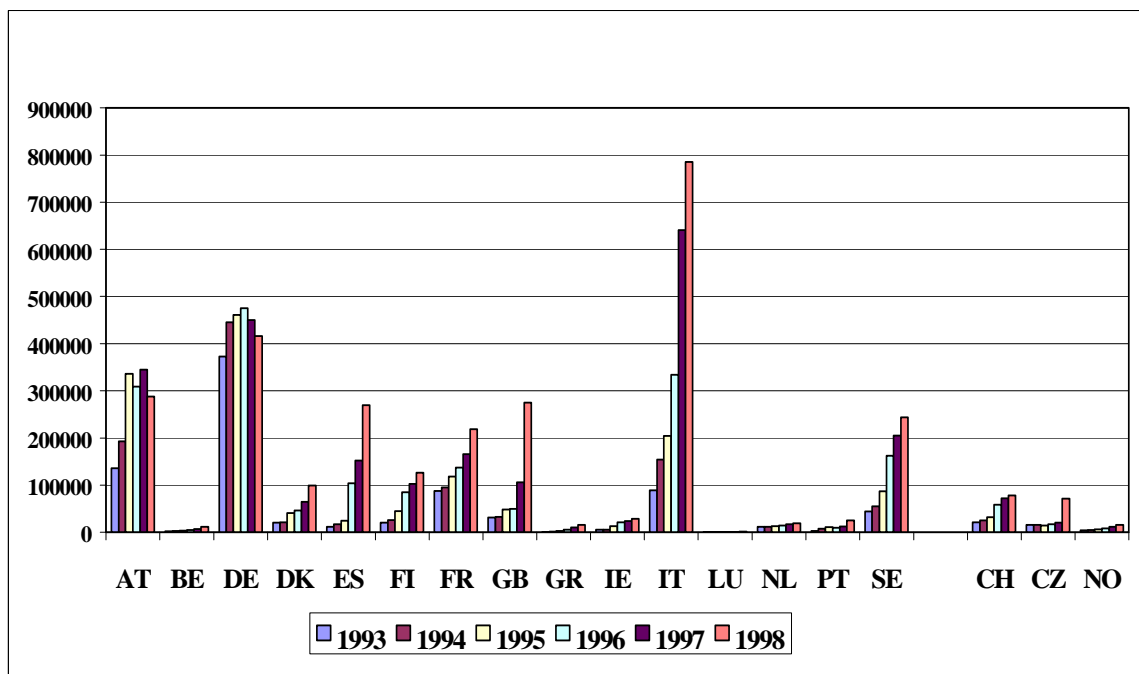


Figure 8-2: Total certified and policy-supported organic and in-conversion land area (ha), by country and year

Table 8-2 and Figure 8-3 show the total certified and policy-supported organic and in-conversion land area from Table 8-1 as a percentage of the total utilisable agricultural area (UAA) in each country in 1998.

Table 8-2: Certified and policy-supported organic and in-conversion land area as % of 1998 total utilisable agricultural area (ha)

	1993	1994	1995	1996	1997	1998	Total UAA (1998) 1 000 ha
AT	3.98%	5.63%	9.83%	9.05%	10.11%	8.43%	3 415
BE	0.16%	0.19%	0.24%	0.31%	0.48%	0.85%	1 383
DE	2.17%	2.59%	2.69%	2.77%	2.62%	2.43%	17 160
DK	0.75%	0.79%	1.52%	1.72%	2.39%	3.69%	2 689
ES	0.05%	0.07%	0.09%	0.40%	0.59%	1.05%	25 630
FI	0.94%	1.19%	2.06%	3.89%	4.71%	5.81%	2 172
FR	0.31%	0.33%	0.42%	0.48%	0.58%	0.77%	28 331
GB	0.19%	0.20%	0.30%	0.31%	0.66%	1.70%	16 169
GR	0.02%	0.03%	0.07%	0.15%	0.29%	0.44%	3 499
IE	0.13%	0.12%	0.29%	0.47%	0.54%	0.66%	4 342
IT	0.60%	1.04%	1.38%	2.25%	4.32%	5.30%	14 833
LU	0.39%	0.42%	0.45%	0.47%	0.49%	0.61%	127
NL	0.55%	0.56%	0.64%	0.72%	0.84%	0.96%	2 011
PT	0.08%	0.19%	0.28%	0.24%	0.32%	0.65%	3 822
SE	1.43%	1.76%	2.79%	5.22%	6.60%	7.84%	3 109
CH	1.94%	2.35%	2.97%	5.48%	6.70%	7.26%	1 040
CZ	0.44%	0.45%	0.40%	0.48%	0.57%	2.03%	3 521
NO	0.37%	0.44%	0.57%	0.77%	1.15%	1.53%	1 020
EU 15	0.65%	0.83%	1.09%	1.37%	1.79%	2.19%	128 692
ALL 18	0.65%	0.83%	1.09%	1.37%	1.79%	2.22%	134 273

Source: Source: Own data and "Agriculture in the European Union" (Eurostat, 1999)

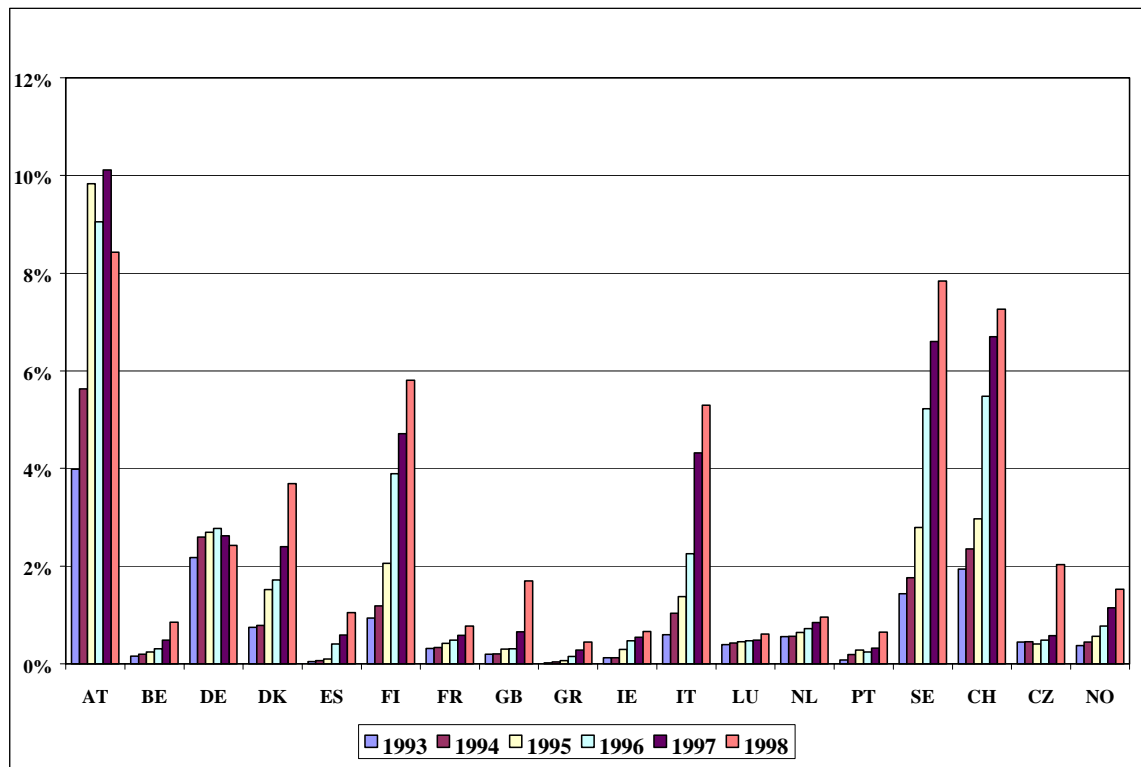


Figure 8-3: Certified and policy-supported organic and in-conversion land area as % of 1998 total UAA (ha)

9 Total certified and policy-supported organic and in-conversion holdings

In most cases, the data presented here correspond to the certified holdings in Table 3-1, as nearly all policy-supported holdings are certified. There are three main exceptions to this.

In Italy, some regions do not require certification as a condition of policy support. It is not possible to identify the prevalence of uncertified holdings in the policy-supported holdings, but it is likely to be small. In this case, the certified holdings figure has been used, but the actual value is likely to be higher.

In Sweden, certification is not a requirement for policy support. For the years 1993 and 1994, data on uncertified policy-supported holdings are available and these have been combined with the figures for certified holdings to form the totals for these two years. Since 1995, data on uncertified, policy-supported holdings are no longer available. On the basis that there are more policy-supported than certified holdings, and that most certified holdings receive policy support (apart from permanent grassland), the policy-supported holdings figure from Table 7-1 represents a lower estimate of the actual value.

In Germany, certification was not a requirement for policy support under the original extensification scheme (EC Reg. 4115/88), and is not a requirement in all *Länder* for the agri-environment scheme (EC Reg. 2078/92). As in Sweden, total policy-supported holdings from Table 7-1 are used as a lower estimate for 1993 to 1996. In 1997/98, many extensification agreements expired². As a result, there was a fall in the policy-supported land area, resulting in less policy-supported than certified land area. At the same time, the number of policy-supported holdings is still higher than the number of certified holdings. Based on the assumption that almost all holdings that are policy-supported are also certified, total policy-supported holdings from Table 7-1 have also been used for 1997/98 in Germany to give a reasonable estimate of total organically managed holdings.

² Some holdings have transferred to organic farming schemes under the agri-environment programme – uncertified land in this situation will have become certified. Others have opted for support under other agri-environment schemes, particularly for permanent grassland and in situations where livestock farms have limited access to organic markets and therefore have to sell on the conventional market. Some uncertified land, and some converted land that is not eligible for ongoing support under the agri-environment programme (e.g. in Mecklenburg-Vorpommern) has also reverted to conventional production. There are no data available to define the extent of each of these changes.

Table 9-1: Total certified and policy-supported organic and in-conversion holdings (n)

	1993	1994	1995	1996	1997	1998
AT	9 713	13 321	18 542	19 433	19 996	20 207
BE	160	168	193	228	324	421
DE	11 248 ¹	14 727	15 055	14 106	12 368	10 684
DK	640	677	1 050	1 166	1 617	2 228
ES	753	909	1 042	2 161	3 526	7 782
FI	1 599	1 818	2 793	4 452	4 381	4 975
FR	3 231	3 556	3 538	3 854	4 784	6 139
GB	655	715	828	865	1 026	1 462
GR	165	469	568	1 065	2 523	4 183
IE	238	198	378	696	808	887
IT	4 656	8 597	10 630	17 279	30 844	42 238
LU	12	12	19	20	23	26
NL	455	512	561	656	746	962
PT	73	234	349	240	278	564
SE	1 876	2 061	4 206	8 268	10 869	13 527
CH	1 405	1 630	2 121	3 668	4 278	4 712
CZ	141	187	176	168	203	306
NO	501	551	728	946	1 310	1 589
EU 15	35 474	47 974	59 752	74 489	94 113	116 285
ALL 18	37 521	50 342	62 777	79 271	99 904	122 892

Source: Own data collected from national agricultural administrations and certification bodies and 2078/92 statistical reports by Member State to EU Commission

¹ Extensification scheme holdings only (EC Reg. 4115/88)

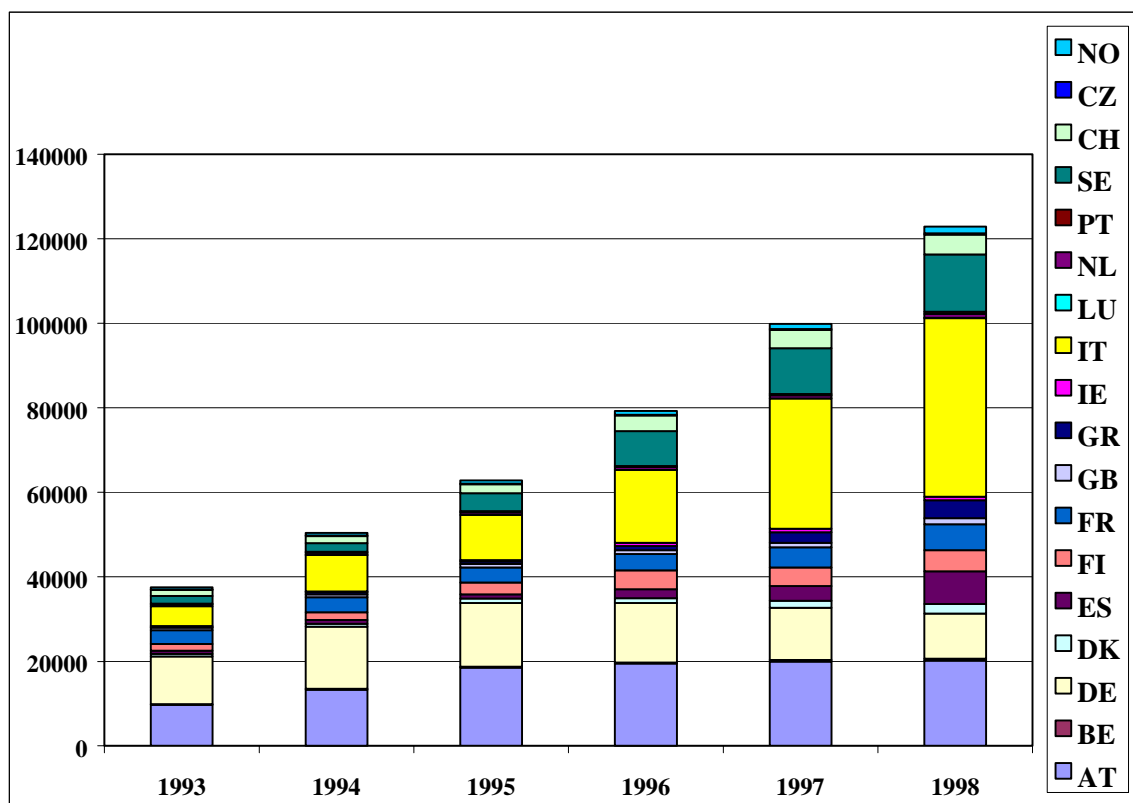


Figure 9-1: Total certified and policy-supported organic and in-conversion holdings (n), total by year

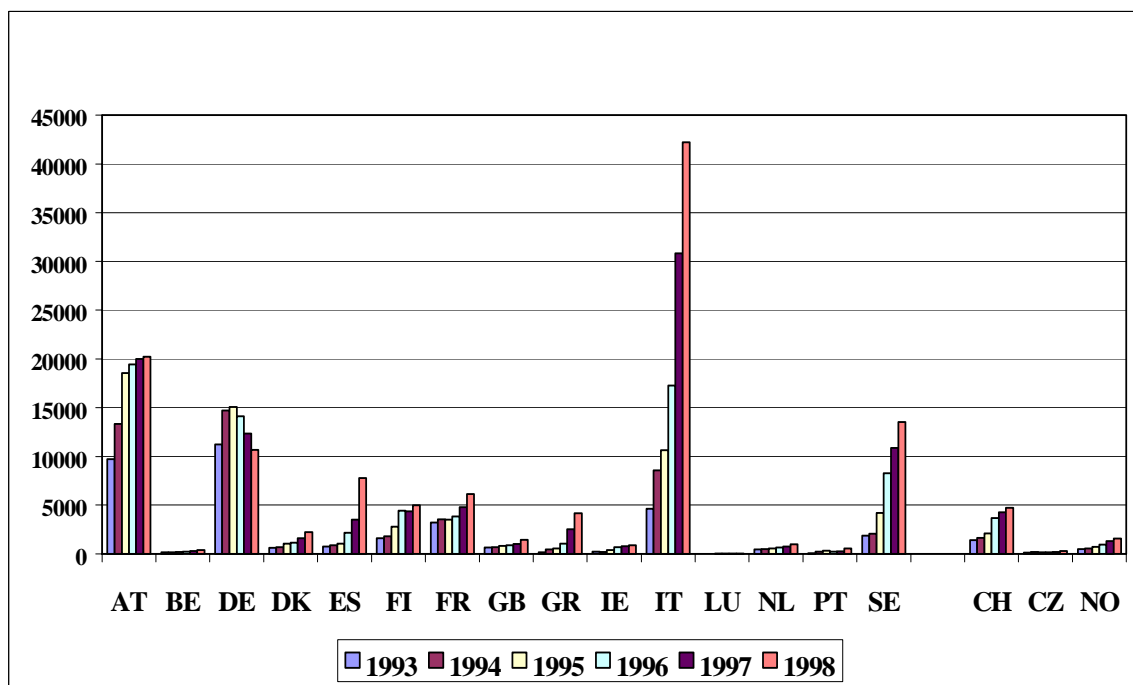


Figure 9-2: Total certified and policy-supported organic and in-conversion holdings (n), by country and year

Table 9-2 and Figure 9-1 show the total certified and policy-supported organic and in-conversion holdings from Table 9-1 as a percentage of the total holdings in each country in 1997.

Table 9-2: Certified and policy-supported organic and in-conversion holdings as % of 1997 total agricultural holdings

	1993	1994	1995	1996	1997	1998	Total holdings (‘97) 1 000 n
AT	4.63%	6.34%	8.83%	9.25%	9.52%	9.62%	210
BE	0.24%	0.25%	0.29%	0.34%	0.48%	0.63%	67
DE	2.11%	2.76%	2.82%	2.64%	2.32%	2.00%	534
DK	1.02%	1.07%	1.67%	1.85%	2.57%	3.54%	63
ES	0.06%	0.08%	0.09%	0.18%	0.29%	0.64%	1 208
FI	1.76%	2.00%	3.07%	4.89%	4.81%	5.47%	91
FR	0.48%	0.52%	0.52%	0.57%	0.70%	0.90%	680
GB	0.28%	0.31%	0.36%	0.37%	0.44%	0.63%	233
GR	0.02%	0.06%	0.07%	0.13%	0.31%	0.51%	821
IE	0.16%	0.13%	0.26%	0.47%	0.55%	0.60%	148
IT	0.20%	0.37%	0.46%	0.75%	1.33%	1.82%	2 315
LU	0.40%	0.40%	0.63%	0.67%	0.77%	0.87%	3
NL	0.42%	0.47%	0.52%	0.61%	0.69%	0.89%	108
PT	0.02%	0.06%	0.08%	0.06%	0.07%	0.14%	417
SE	2.08%	2.29%	4.67%	9.19%	12.08%	15.03%	90
CH	1.86%	2.16%	2.81%	4.85%	5.66%	6.23%	76
CZ	0.51%	0.68%	0.64%	0.61%	0.74%	1.11%	28
NO	0.74%	0.81%	1.07%	1.39%	1.93%	2.34%	68
EU 15	0.51%	0.69%	0.86%	1.07%	1.35%	1.66%	6 988
ALL 18	0.52%	0.70%	0.88%	1.11%	1.40%	1.72%	7 159

Source: Own data and "Agriculture in the European Union" (Eurostat, 1999)

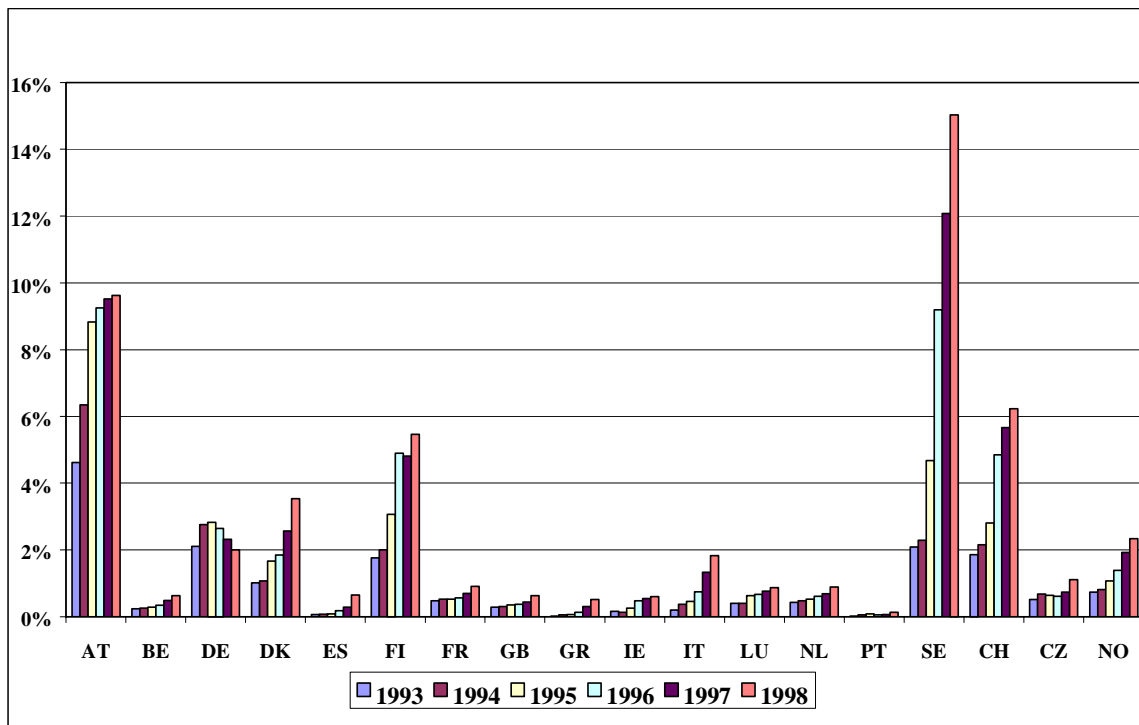


Figure 9-3: Certified and policy-supported organic and in-conversion holdings as % of 1997 total agricultural holdings

Part B Stocking and land use

Part B contains a breakdown of stocking and land use by commodity. The data are presented in four main sections: Livestock, including milk (Section 10), arable crops, including cereals, pulses, oilseeds and root crops (Section 11), horticulture, including vegetables, perennial and fruit crops (Section 12) and grassland and fodder crops (Section 13). Section 14 shows the distribution of certified organic and in-conversion land area by crop type in 1998. Data normally refer to certified organic but in some cases in-conversion livestock and crops have been included and cannot be differentiated.

There are no official reporting requirements for such data and availability and quality vary considerably between countries. One of the main reasons for this is the lack of resources of the inspection/certification bodies, many of which do not have the facilities or manpower to isolate and record such data separately. Availability of data can also vary within countries where, for example, data may only have been supplied by the larger certification bodies or from certification bodies representing only one region. As far as possible, this has been indicated by the use of footnotes. Due to the gaps in the data no totals for the EU or for all 18 study countries have been presented. In cases where new or more reliable data have become available for the years already recorded in Foster and Lampkin (1999), the data have been amended accordingly.

A number of the tables in Section 10 show organic as a percentage of total livestock in those countries for which data are available. Austria has the highest share of certified organic dairy and other cattle at more than 10%, with the majority of countries all having less than a 1% share. Organic pig and sheep production is again most widespread in Austria where just over 1% of pigs are managed organically compared to less than 0.5% in most other countries (BE, DE, ES, FR, GB, NL) and just over 30% of sheep are organic compared to 15% in Denmark, 10% in Sweden and 7% in Finland. Over 10% of goats are organic in Germany and the Netherlands, although few data are available for most countries. At 31% Austria again has the highest share.

In 1998, total organic arable land area covered approximately 565 000 ha in the EU, representing just over 20% of total organic and in-conversion land area. Denmark has the highest share of organic land under arable production (39%), followed by Germany (33.6%), Finland (28%) and Sweden (26%). See Table 14-2 for details.

Total horticulture in the EU covered an area of 328 000 ha in 1998 (12% of total organic and in-conversion area). As a percentage of total organic and in-conversion land area, organic horticulture is highest in the Mediterranean countries with Greece at 88% followed by Portugal (62%), Spain (41%), Italy (20%) and France (6%). According to the data available, Austria, Belgium, Finland, UK, Ireland and Sweden all have less than 1% of total organic land area under horticultural production. (See Table 14-2 for details).

Organically managed grassland (including fodder crops) made up the largest share of total organic and in-conversion land area in 1998 (1.04Mha in the EU and 1.55Mha in all 18 study countries). The three non-EU countries all have the largest share of organically managed grassland, Switzerland (91.5%), followed by Norway (91%) and the Czech Republic (90%). Of the EU countries, Belgium has the highest share of organic grassland (83%) followed by Austria (80%). See Table 14-2 for details.

10 Certified livestock

Table 10-1: Certified dairy cows (n)

	1993	1994	1995	1996	1997	1998	Total end 1994 (1 000 head) ⁶	1998 as % of end '94 total
AT	nd	nd	nd	98 440 ¹	97 803 ¹	103 287	705	14.65%
BE	nd	nd	1 034 ²	1 197 ²	1 835 ²	3 247	680	0.48%
DE	nd	nd	55 427 ³	nd	63 763 ³	65 000	5 229	1.24%
DK	8 272	8 624	20 368	21 417	28 251	49 989	714	7.00%
ES	102	nd	nd	nd	nd	nd	1 213	nd
FI	nd	nd	nd	1 187	3 503	2 697	402	0.67%
FR	nd	nd	9 500	13 655	15 135	19 600	4 672	0.42%
GB	2 353	2 184	2 504	3 436	3 387 ⁴	4 500	2 656	0.17%
GR⁵	na	na	na	na	na	na	185	na
IE	nd	nd	nd	nd	nd	nd	1 267	nd
IT	nd	nd	nd	nd	nd	nd	2 158	nd
LU	193	196	187	199	182	233	48	0.49%
NL	nd	4 034	4 951	4 113	7 392	9 541	1 778	0.54%
PT	nd	nd	nd	nd	nd	nd	366	nd
SE	nd	nd	nd	11 814	11 520	20 569	481	4.28%
CH	10 509	nd	nd	32 504	37 047	39 748	nd	nd
CZ	nd	nd	nd	1 414	1 460	2 127	nd	nd
NO	294	437	572	766	1 816	2 705	nd	nd

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data, na = not applicable.

Estimates shown in *italics*.

¹ AT: Policy supported only

² BE: Ecocert enterprises only

³ DE: AGÖL enterprises only

⁴ GB: Soil Association enterprises only

⁵ GR: No certified organic livestock

⁶ Source: Agricultural Situation in the European Union, 1996 (Eurostat)

Table 10-2: Certified milk (t)

	1993	1994	1995	1996	1997	1998
AT	nd	nd	nd	372 900 ¹	363 300 ¹	350 000
BE	nd	nd	3 911 ²	4 680 ²	7 165 ²	8 335
DE	nd	nd	250 000 ³	nd	282 730 ³	300 000
DK	33 000	39 000	49 000	81 000	139 000	169 000
ES	nd	nd	nd	nd	nd	nd
FI	nd	nd	nd	5 000	7 000	15 000
FR	nd	nd	41 000	58 644	70 000	80 000
GB	nd	nd	nd	15 000	17 000	20 000
GR⁴	na	na	na	na	na	na
IE	nd	nd	nd	nd	nd	nd
IT	nd	nd	nd	nd	nd	nd
LU	nd	nd	nd	nd	nd	1 300
NL	nd	nd	nd	26 735	49 600	60 000
PT	nd	nd	nd	nd	nd	nd
SE	nd	nd	nd	nd	nd	nd
CH	36 645	nd	nd	123 000	143 800	198 740
CZ	nd	1 212	2 441	1 804	1 322	nd
NO	nd	nd	nd	nd	nd	nd

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data, na = not applicable.

Estimates shown in *italics*.

¹ AT: Policy supported only

² BE: Ecocert enterprises only; 1995 figure applies to 977 of 1034 registered dairy cows; 1996 figure applies to 1127 of 1197 registered dairy cows

³ DE: AGÖL enterprises only

⁴ GR: No certified organic livestock

Table 10-3: Certified other cattle (n)

	1993	1994	1995	1996	1997	1998	Total end '95 (1 000 head) ⁶	1998 as % of end '95 total
AT	nd	nd	nd	239 649 ¹	237 218 ¹	253 879	2 323	10.93%
BE	nd	nd	156 ²	566 ²	2 453 ²	5 972	3 147	0.19%
DE	nd	nd	41 742 ³	nd	142 960 ³	150 000	15 890	0.94%
DK	10 095	10 854	23 290	24 292	32 405	54 325	2 094	2.59%
ES	751	nd	Nd	nd	nd	434	5 432	0.01%
FI	nd	nd	Nd	1 606	2 821	7 913	1 179	0.67%
FR	nd	nd	5 637	10 178	12 816	15 900	20 662	0.08%
GB	8 932	9 087	9 367	10 535	16 187 ⁴	20 000	11 673	0.17%
GR⁵	na	na	na	na	na	na	550	na
IE	nd	nd	nd	nd	nd	nd	6 531	nd
IT	nd	nd	nd	nd	nd	nd	7 128	nd
LU	412	416	447	456	446	596	204	0.29%
NL	nd	1 180	nd	1 028	9 253	11 133	4 558	0.24%
PT	nd	nd	nd	nd	nd	nd	1 317	nd
SE	nd	nd	nd	8 654	39 041	15 626	1 762	0.89%
CH	4 097	nd	nd	16 343	24 751	24 441	nd	nd
CZ	nd	84	21	3 762	5 495	22 004	nd	nd
NO	937	1 194	1 324	1 478	1 628	2 963	nd	nd

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data, na = not applicable.

Estimates shown in *italics*.

¹ AT: Policy supported only

² BE: Ecocert enterprises only

³ DE: AGÖL enterprises only

⁴ GB: Soil Association enterprises only

⁵ GR: No certified organic livestock

⁶ Source: Agricultural Situation in the European Union, 1996 (Eurostat)

Table 10-4: Certified pigs (n)

	1993	1994	1995	1996	1997	1998	Total end '95 (1 000 head) ⁶	1998 as % of end '95 total
AT	nd	nd	nd	39 547 ¹	39 390 ¹	41 005	3 703	1.107%
BE	nd	nd	92 ²	196 ²	171 ²	279	7 215	0.004%
DE	nd	nd	23 293 ³	nd	41 998 ³	50 000	23 737	0.21%
DK	7 701	8 727	13 032	34 286	61 786	82 733	10 709	0.77%
ES	10	nd	nd	nd	nd	34	17 583	0.0002%
FI	nd	nd	nd	2 268	5 245	10 512	1 395	0.75%
FR	nd	nd	nd	6 322	8 782	10 000	14 524	0.07%
GB	2 078	3 370	5 581	6 805	7 817 ⁴	9 000	7 203	0.12%
GR⁵	na	na	na	na	na	na	936	na
IE	nd	nd	nd	nd	nd	nd	1 542	nd
IT	nd	nd	nd	nd	nd	nd	7 964	nd
LU	26	26	27	16	40	381	68	0.56%
NL	nd	2 652	nd	2 500	2 609	5 401	13 958	0.04%
PT	nd	nd	nd	nd	nd	nd	2 400	nd
SE	nd	nd	nd	6 554	7 333	20 771	2 331	0.89%
CH	4 634	nd	nd	nd	11 010	12 317	nd	nd
CZ	nd	20	19	266	322	517	nd	nd
NO	56	69	73	131	141	297	nd	nd

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data, na = not applicable.

Estimates shown in *italics*.

¹ AT: Policy supported only

² BE: Ecocert enterprises only

³ DE: AGÖL enterprises only

⁴ GB: Soil Association enterprises only

⁵ GR: No certified organic livestock

⁶ Source: Agricultural Situation in the European Union, 1996 (Eurostat)

Table 10-5: Certified poultry (n)

	1993	1994	1995	1996	1997	1998
AT	nd	nd	nd	274 932 ¹	308 421 ¹	363 584
BE	nd	nd	10 950 ²	12 130 ²	14 852 ²	18 096
DE	nd	nd	262 371 ³	nd	660 503 ³	700 000
DK	52 996	69 650	237 449	313 686	418 310	705 087
ES	335	nd	nd	nd	nd	nd
FI	nd	nd	nd	3 491	11 418	19 081
FR	nd	nd	103 162	1 442 483	3 026 679	4 652 000
GB	2 906	5 311	22 952	88 668	350 000	475 000
GR⁴	na	na	na	na	na	na
IE	nd	nd	nd	nd	nd	nd
IT	nd	nd	nd	nd	nd	nd
LU	5 453	5 344	5 202	1 195	1 164	1 970
NL	nd	24 400	43 645	65 913	84 770	127 026
PT	nd	nd	nd	nd	nd	nd
SE	nd	nd	nd	55 297	75 348	201 087
CH	32 832	nd	nd	60 363	86 566	129 406
CZ	nd	nd	nd	2 025	2 075	2 792
NO	1 811	1 852	1 687	1 160	9 337	14 147

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data, na = not applicable.

Estimates shown in *italics*.

¹ AT: Policy supported enterprises only

² BE: Ecocert enterprises only

³ DE: AGÖL enterprises only

⁴ GR: No certified organic livestock

Table 10-6: Certified sheep (n)

	1993	1994	1995	1996	1997	1998	Total end '94 (1 000 head) ⁶	1998 as % of end 1994 total
AT	nd	nd	nd	99 214 ¹	101 118 ¹	103 831	342	30.36%
BE	nd	nd	286 ²	468 ²	753 ²	1 579	119	1.33%
DE	nd	nd	54 379 ³	nd	95 841 ³	97 000	2 340	4.15%
DK	4 524	4 671	5 890	7 144	9 388	12 382	79	15.67%
ES	398	nd	nd	nd	nd	214	23 018	0.001%
FI	nd	nd	nd	2 072	4 571	5 829	80	7.29%
FR	nd	nd	10 402	16 258	29 216	41 900	10 320	0.41%
GB	39 681	31 599	31 558	36 231	32 177 ⁴	40 000	29 484	0.14%
GR⁵	na	na	na	na	na	na	9 232	na
IE	nd	nd	nd	nd	nd	nd	5 772	nd
IT	nd	nd	nd	nd	nd	nd	10 681	nd
LU	21	20	71	82	94	338	6	5.63%
NL	nd	5 130	nd	7 073	5 048	5 833	1 280	0.46%
PT	nd	nd	nd	nd	nd	nd	3 416	nd
SE	nd	nd	nd	26 652	25 643	50 126	483	10.38%
CH	5 835	nd	nd	19 610	28 911	34 399	nd	nd
CZ	nd	210	545	2 889	3 003	6 347	nd	nd
NO	7 102	10 064	10 628	13 291	18 860	29 812	nd	nd

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data, na = not applicable,
Estimates shown in *italics*.

¹ AT: Policy supported only

² BE: Ecocert enterprises only

³ DE: AGÖL enterprises only

⁴ GB: Soil Association enterprises only

⁵ GR: No certified organic livestock

⁶ Source: Agricultural Situation in the European Union, 1996 (Eurostat)

Table 10-7: Certified goats (n)

	1993	1994	1995	1996	1997	1998	Total end '94 (1 000 head) ⁶	1998 as % of end '94 total
AT	nd	nd	nd	14 543 ¹	15 060 ¹	15 915	50	31.83%
BE	nd	nd	68 ²	242 ²	125 ²	385	8	4.81%
DE	nd	nd	6 437 ³	nd	8 909 ³	9 500	89	10.67%
DK	1 078	950	1 109	860	972	1 707	nd	nd
ES	373	nd	nd	nd	nd	33	2 964	0.001%
FI	nd	nd	nd	22	73	216	5	4.32%
FR	nd	nd	nd	nd	6 867	7 900	1 068	0.74%
GB	143	78	100	135	70 ⁴	100	90	0.11%
GR⁵	na	na	na	na	na	na	5 556	na
IE	nd	nd	nd	nd	nd	nd	nd	nd
IT	nd	nd	nd	nd	nd	nd	1 448	nd
LU	0	1	1	1	1	1	nd	nd
NL	nd	3 436	nd	3 988	7 366	11 098	73	15.20%
PT	nd	nd	nd	nd	nd	nd	819	nd
SE	nd	nd	nd	521	469	414	5	8.28%
CH	1 523	nd	nd	3 771	7 100	7 843	nd	nd
CZ	nd	880	800	2 326	1 653	1 674	nd	nd
NO	202	279	411	428	606	951	nd	nd

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data, na = not applicable.

Estimates shown in *italics*.

¹ AT: Policy supported only

² BE: Ecocert enterprises only

³ DE: AGÖL enterprises only

⁴ GB: Soil Association enterprises only

⁵ GR: No certified organic livestock

⁶ Source: Agricultural Situation in the European Union, 1996 (Eurostat)

11 Certified arable crops

Table 11-1: Total certified arable crops¹ (ha)

	1993	1994	1995	1996	1997	1998
AT ²	nd	nd	nd	30 695	32 538	54 700
BE	nd	nd	1 234	1 214	555 ³	593
DE ⁴	nd	nd	87 619 ⁵	90 688 ⁵	118 168	140 000
DK	nd	6 409	14 905	16 640	26 694	38 787
ES ⁶	2 129	4 677 ⁷	7 376	11 829	16 632	26 667
FI	3 851 ^{5,9}	7 063	8 809	11 569	19 134	35 583
FR ⁶	14 043 ⁸	nd	29 344	33 351	36 836	35 900 ¹⁰
GB	3 265	3 670	4 730	5 639	5 869	8 248
GR	6 ⁸	51	117	625	598	1 811
IE	nd	nd	nd	nd	258 ⁸	nd
IT	nd	nd	nd	62 414	145 000	180 000
LU	123	133	118	136	161	172 ⁵
NL	nd	2 600 ⁸	3 517	3 217	4 552	4 948
PT ⁸	nd	647	1 052	1 443	1 412	4 081
SE	nd	nd	nd	27 199	35 566 ⁵	33 526
CH	1 590	2 084	nd	3 135	3 926	4 366
CZ	nd	nd	483 ⁸	3 285	3 299	5 087
NO	323	372	394	646	905	1 045

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data

Estimates shown in *italics*.

¹ Includes cereals, pulses, oilseeds and root crops

² AT: Policy supported land area only

³ BE: Flanders not included

⁴ DE: AGÖL land area only

⁵ DE, FI, LU, SE: Pulses not included

⁶ ES, FR: Root crops not included

⁷ ES: Andalucía and C. Valenciana not included

⁸ FR, GR, IE, NL, PT, CZ: Cereals only

⁹ FI: Oilseeds not included

¹⁰ FR: Excludes in-conversion crops

Table 11-2: Certified cereals (ha)

	1993	1994	1995	1996	1997	1998	Total end '95 (1 000 ha) ^{5, 6}	1998 as % of end '95 total
AT	nd	nd	nd	23 070 ¹	25 851 ¹	nd	809	3.20% ⁹
BE	nd	nd	nd	nd	470 ²	502	309	0.16%
DE	nd	nd	81 335 ³	81 270 ³	89 824 ³	nd	6 527	1.38% ⁹
DK	nd	4 927	12 616	14 266	22 946	33 815	1 447	2.34%
ES	1 493	3 965 ⁴	nd	nd	nd	nd	6 638	nd
FI	3 583	6 586	8 157	10 620	16 920	31 503	978	3.22%
FR	14 043	nd	23 081	26 101	28 304	26 300 ⁷	8 267	0.32%
GB	2 785	2 955	4 076	4 987	5 236	6 985	3 180	0.22%
GR	6	43	100	603	569	nd	1 210	0.05% ⁹
IE	nd	nd	nd	nd	258	nd	274	0.09% ⁹
IT	nd	nd	nd	48 438	nd	nd	3 986	1.22% ⁸
LU	101	113	97	117	141	148	29	0.51%
NL	nd	2 600	2 363	2 135	2 766	3 019	198	1.52%
PT	74	647	1 052	1 443	1 412	4 081	668	0.61%
SE	nd	nd	nd	23 518	33 375	30 342	1 082	2.80%
CH	1 320	1 767	nd	2 662	3 330	3 619	nd	nd
CZ	nd	nd	483	2 706	2 713	4 439	nd	nd
NO	221	273	283	505	746	896	nd	nd

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data

¹ AT: Policy supported land area only

² BE: Flanders not included

³ DE: AGÖL land area only

⁴ ES: Andalucía and Comunidad Valenciana not included

⁵ Excluding rice

⁶ Source: Agricultural Situation in the European Union, 1996 (Eurostat)

⁷ FR: Excludes in-conversion crops

⁸ 1996 % of total

⁹ 1997 % of total

Table 11-3: Certified pulses (ha)

	1993	1994	1995	1996	1997	1998
AT	nd	nd	nd	2 836 ¹	3 684 ¹	nd
BE	nd	nd	nd	nd	40 ²	nd
DE	nd	nd	nd	nd	14 858 ³	nd
DK	nd	443	762	797	1 671	2 943
ES	636 ⁴	712 ^{4,5}	nd	nd	nd	nd
FI	nd	78	129	172	679	1 656
FR	nd	nd	888	1 320	1 424	4 200 ⁶
GB	81	273	180	216	182	441
GR	0	7	17	22	29	nd
IE	nd	nd	nd	nd	nd	nd
IT	nd	nd	nd	6 415	nd	nd
LU	9	10	10	5	7	nd
NL	nd	nd	102	122	372	517
PT	nd	nd	nd	nd	nd	nd
SE	nd	nd	nd	1 998	nd	864
CH	55	56	nd	109	121	224
CZ	nd	nd	nd	159	275	138
NO	0	0	0	0	0	1

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data

¹ AT: Policy supported land area only

² BE: Flanders not included

³ DE: AGÖL land area only

⁴ ES: Oilseeds and fodder crops included;

⁵ ES: Andalucía and C. Valenciana not included

⁶ FR: Excludes in-conversion crops

Table 11-4: Certified oilseeds (ha)

	1993	1994	1995	1996	1997	1998
AT	nd	nd	nd	3 106 ¹	1 423 ¹	nd
BE	nd	nd	nd	nd	3 ²	20
DE	nd	nd	2 248 ³	4 927 ³	9 115 ³	nd
DK	nd	766	1 009	995	1 222	928
ES⁴	nd	nd	nd	nd	nd	nd
FI	nd	25	99	311	980	1 815
FR	nd	nd	5 375	5 930	7 108	5 400 ⁵
GB	18	50	114	151	95	173
GR	0	1	0	0	0	nd
IE	nd	nd	nd	nd	nd	nd
IT	nd	nd	nd	6 523	nd	nd
LU	0	0	0	0	0	12
NL	nd	nd	254	182	327	128
PT	nd	nd	nd	nd	nd	nd
SE	nd	nd	nd	537	947	1 012
CH	20	24	nd	35	39	26
CZ	nd	nd	nd	189	192	360
NO	0	0	0	0	2	0

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data available

¹ AT: Policy supported land area only

² BE: Flanders not included

³ DE: AGÖL land area only

⁴ ES: Oilseeds included in Table 11-3

⁵ FR: Excludes in-conversion crops

Table 11-5: Certified root crops (ha)

	1993	1994	1995	1996	1997	1998
AT	nd	nd	nd	1 683 ¹	1 580 ¹	nd
BE	nd	nd	nd	nd	42 ²	71
DE	nd	nd	4 036 ³	4 491 ³	4 371 ³	nd
DK	nd	273	518	582	855	1101
ES⁴	nd	nd	nd	nd	nd	nd
FI	268	374	424	466	555	609
FR⁴	nd	nd	nd	nd	nd	nd
GB	153	159	297	254	320	553
GR	0	0	0	0	0	nd
IE	nd	nd	nd	nd	nd	nd
IT	nd	nd	nd	1 038	nd	nd
LU	13	10	11	14	13	12
NL	nd	nd	798	778	1 087	1284
PT	nd	nd	nd	nd	nd	nd
SE	nd	nd	nd	1 146	1 244	1308
CH	195	237	nd	329	436	497
CZ	nd	nd	nd	231	119	150
NO	102	99	111	141	157	148

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data

¹ AT: Policy supported land area only

² BE: Flanders not included

³ DE: AGÖL land area only

⁴ ES, FR: Root crops included in Table 12-2

12 Certified horticulture

Table 12-1: Total certified horticultural crops¹(ha)

	1993	1994	1995	1996	1997	1998
AT	nd	nd	nd	1 422 ²	2 032 ²	2 800
BE	48 ³	340	362	430	105 ³	100 ³
DE	nd	nd	8 114 ⁴	6 560 ⁴	8 963 ⁴	10 600
DK	nd	611	755	934	930	1 090
ES	6 461	3 013 ⁵	11 455	25 613	47 943	111 816
FI	272	418	475	547	735	855
FR	8 027 ⁶	nd	13 187	13 878	15 738	13 600 ⁸
GB	696	701	891	1 069	1 441	1 564
GR	544	702	2 017	4 323	8 667	13 554
IE	nd	nd	nd	nd	96 ⁷	nd
IT	nd	nd	nd	63 641	128 000	155 000
LU	3	5	7	7	10	11
NL	nd	nd	1 182	1 296	771	1 083
PT	1 962	5 767	7 968	6 435	7 535	15 421
SE	nd	nd	nd	866	924	791
CH	144 ⁶	651	nd	846	1 432	1 411
CZ	nd	nd	nd	332	440	577
NO	72	81	86	99	146	203

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data

Estimates shown in *italics*.

- ¹ Includes vegetables, perennial and fruit crops
- ² AT: Policy supported land area only
- ³ BE: Flanders not included
- ⁴ DE: AGÖL land only
- ⁵ ES: Andalucía and Comunidad Valenciana not included
- ⁶ FR, CH: Perennial and fruit crops only
- ⁷ IE: Vegetables only
- ⁸ FR: Excludes in-conversion crops

Table 12-2: Certified vegetables (ha)

	1993	1994	1995	1996	1997	1998
AT	nd	nd	nd	472	549 ¹	nd
BE	38 ²	198	206	228	48 ²	39
DE	nd	nd	4 417 ³	3 541 ³	4 408 ³	nd
DK	nd	422	502	650	579	777
ES⁴	348	222 ⁵	631	910	1 045	2 019
FI	137	203	202	222	320	354
FR	nd	nd	3 700 ⁴	3 607 ⁴	4 374 ⁴	4 200 ⁶
GB	468	449	604	706	1 116	1 231
GR	5	21	31	53	144	203
IE	nd	nd	nd	nd	96	nd
IT	nd	nd	nd	3 158	nd	nd
LU	3	5	6	6	7	9
NL	nd	nd	1 008	1 086	506	870
PT	79	162	211	149	91	133
SE	nd	nd	nd	706	704	716
CH	nd	476	nd	517	800	830
CZ	nd	nd	nd	17	28	40
NO	39	47	45	42	63	88

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data

¹ AT: Policy supported land area only

² BE: Flanders not included

³ DE: AGÖL land area only

⁴ ES, FR: Including root crops

⁵ ES: Andalucía and C. Valenciana not included

⁶ FR: Excludes in-conversion crops

Table 12-3: Certified perennial and fruit crops (ha)

	1993	1994	1995	1996	1997	1998
AT	nd	nd	nd	631 ^{1,2}	1 089 ¹	nd
BE	10 ³	142	155	202	51 ³	56
DE	nd	nd	3 697 ⁴	3 019 ⁴	4 288 ⁴	nd
DK	nd	189	253	284	351	313
ES	5 662	2 498 ⁵	10 646	20 235	36 604	82 395
FI	135	199	256	299	415	501
FR	8 027	nd	8 532	9 332	10 437	8 500 ⁶
GB	206	229	285	333	302	309
GR	539	681	1 986	4 270	8 523	13 351
IE	nd	nd	nd	nd	nd	nd
IT	nd	nd	nd	60 483	nd	nd
LU	0	0	1	1	3	2
NL	nd	nd	174	210	265	213
PT	1 874	5 582	7 734	6 177	7 109	14 974
SE	nd	nd	nd	160	220	75
CH	144	175	nd	329	539	502
CZ	nd	nd	nd	239	327	381
NO	30	30	31	42	57	83

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data

¹ AT: Policy supported land area only

² AT: Vines only

³ BE: Flanders not included

⁴ DE: AGÖL land area only

⁵ ES: Andalucía and Comunidad Valenciana not included

⁶ FR: Excludes in-conversion crops

13 Certified grassland and fodder crops

Table 13-1: Total certified grassland and fodder crops (ha)

	1993	1994	1995	1996	1997	1998
AT	nd	nd	nd	221 442 ¹	282 017 ¹	230 000
BE	nd	nd	1 789 ^{2,3}	2 616 ^{2,3}	3 118 ³	9 828
DE	nd	nd	nd	155 298 ^{2,4}	187 191 ⁴	221 000
DK	nd	13 062	17 713	21 642	31 068	46 842
ES	3 085 ²	2 521 ²	5 253 ²	62 625 ²	82 551 ²	122 347
FI	5 218 ²	9 706 ²	11 431 ²	12 537	18 447	35 247
FR	nd	nd	66 037	79 743	103 092	87 600 ⁶
GB	10 565	13 708	18 335	39 073	48 197	180 957
GR	0	11 ²	9 ⁵	30 ⁵	211 ⁵	nd
IE	nd	nd	nd	nd	17 643 ²	nd
IT	nd	nd	nd	201 242	288 000	353 000
LU	369	391	438	450	442	581
NL	nd	nd	5 973	8 227	9 683	12 183
PT	763 ²	765 ²	1 172 ²	1 313 ²	2 348 ²	4 697
SE	nd	nd	nd	55 257 ²	75 524 ²	78 759
CH	18 558	22 481	nd	53 601	65 487	71 230
CZ	nd	nd	nd	12 804	15 424	64 525
NO	3 319	4 009	5 209	7 028	10 494	14 188

Source: Own data collected from national agricultural administrations and certification bodies

nd = no data

¹ AT: Policy supported land area only.

² Grassland only

³ BE: Flanders not included

⁴ DE: AGÖL land area only

⁵ GR: Fodder crops only

⁶ FR: Excludes in-conversion crops

14 Distribution of 1998 certified organic and in-conversion land area by crop type

Table 14-1: 1998 certified organic and in-conversion land area (ha) by crop type

	Arable ¹	Horticulture ²	Grassland & fodder crops ³	Other ⁴	Total ⁵
AT	54 700	2 800	230 000	400	287 900
BE	593 ⁶	100 ⁶	9 828 ⁶	1 223	11 744
DE	140 000	10 600	221 000	44 918	416 518
DK	38 787	1 090	46 842	12 442	99 161
ES	26 667	111 816	122 347	8 635	269 465
FI	35 583	855	35 247	54 491	126 176
FR	35 900	13 600 ⁹	87 600	81 690	218 790
GB	8 248	1 564	180 957	83 750	274 519
GR	1 811 ⁸	13 554	211	37	15 402
IE⁷	258 ⁸	96 ¹⁰	17 643 ¹¹	5 594	23 591
IT	180 000	155 000	353 000	97 738	785 738
LU	172	11	581	13	777
NL	4 948	1 083 ⁹	12 183	1 109	19 323
PT	4 081 ⁸	15 421	4 697 ¹¹	703	24 902
SE	33 526	791	78 759 ¹¹	14 254	127 330
CH	4 366	1 411 ⁹	71 230	835	77 842
CZ	5 087	577	64 525	1 431	71 620
NO	1 045	203	14 188	145	15 581
EU 15	565 274	328 381	1 400 895	406 997	2 701 336 ¹²
ALL 18	575 772	330 572	1 550 838	409 408	2 866 379 ¹²

Source: Own data collected from national agricultural administrations and certification bodies

¹ See Table 11-1. Does not include fodder crops.

² See Table 12-1

³ See Table 13-1

⁴ Other = unallocated adjustment figure may include other crops, in-conversion land (e.g. FR) or crops where regions/certification bodies are not included in the main categories due to lack of data (e.g. DE, GB)

⁵ Totals refer to Table 2-1 except for IE (see footnote ⁷)

⁶ BE: Flanders not included

⁷ IE: Certified crops and total land area for 1997

⁸ Cereals only

⁹ Perennial and fruit crops only

¹⁰ Vegetables only

¹¹ Grassland only

¹² Totals are adjusted from Table 2-1 (see footnote 5 above)

Table 14-2: 1998 certified organic and in-conversion land area by crop type as % of total certified organic and in-conversion land area¹

	Arable ²	Horticulture ³	Grassland & fodder crops ⁴	Other ⁵
AT	19.0%	0.97%	79.89%	0.14%
BE⁶	5.05%	0.85%	83.69%	10.41%
DE	33.61%	2.54%	53.06%	10.78%
DK	39.12%	1.10%	47.24%	12.55%
ES	9.90%	41.50%	45.40%	3.20%
FI	28.20%	0.68%	27.93%	43.19%
FR	16.41%	6.22% ⁹	40.04%	37.34%
GB	3.0%	0.57%	65.92%	30.51%
GR	11.76% ⁸	88.0%	1.37%	0.24%
IE⁷	1.09% ⁸	0.41% ¹⁰	74.79% ¹¹	23.71%
IT	22.91%	19.73%	44.93%	12.44%
LU	22.14%	1.42%	74.77%	1.67%
NL	25.61%	5.60% ⁹	63.05%	5.74%
PT	16.39% ⁸	61.93%	18.86% ¹¹	2.82%
SE	26.33%	0.62%	61.85% ¹¹	11.19%
CH	5.61%	1.81% ⁹	91.51%	1.07%
CZ	7.10%	0.81%	90.09%	2.0%
NO	6.71%	1.30%	91.06%	0.93%
EU 15	20.93%	12.16%	51.86%	15.07%
ALL 18	20.09%	11.53%	54.10%	14.28%

Source: Own data collected from national agricultural administrations and certification bodies

¹ Adjusted certified organic and in-conversion land area figure from Table 14-1 not Table 2-1

² See Table 11-1

³ See Table 12-1

⁴ See Table 13-1

⁵ Other = unallocated adjustment figure may include other crops, in-conversion land (e.g. FR) or crops where regions/certification bodies are not included in the main categories due to lack of data (e.g. DE, GB)

⁶ BE: Flanders not included

⁷ IE: Certified crops and total land area for 1997

⁸ Cereals only

⁹ Perennial and fruit crops only

¹⁰ Vegetables only

¹¹ Grassland only