

**DELIVERABLE 8.3**  
**“Development of socio-economic and agricultural  
structures in selected rural regions in Spain after EU  
accession”**

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**APPENDICES**

## APPENDIX 1

Table A 1.1 GDP at current prices and at constant prices (€millions) and prices (GDP deflator, base year 2000)

Year	GDP current prices	GDP constant prices	Prices
1980	103,686	345,860	30.0
1981	119,975	351,276	34.2
1982	137,064	359,072	38.2
1983	155,239	364,341	42.6
1984	171,550	373,858	45.9
1985	196,631	385,822	51.0
1986	219,868	407,587	53.9
1987	244,291	428,625	57.0
1988	274,009	448,933	61.0
1989	305,040	465,725	65.5
1990	334,130	476,287	70.2
1991	359,543	479,561	75.0
1992	370,782	473,982	78.2
1993	394,257	484,653	81.3
1994	424,481	497,817	85.3
1995	448,590	509,854	88.0
1996	473,855	527,862	89.8
1997	503,921	548,284	91.9
1998	539,493	572,782	94.2
1999	579,942	599,966	96.7
2000	630,263	630,263	100.0
2001	680,678	653,255	104.2
2002	729,206	670,920	108.7
2003	782,531	691,355	113.2
2004	840,106	713,776	117.7
2005	905,455	738,979	122.5

Source: Own calculations based on Instituto Nacional de Estadística (INE)

Table A 1.2 Annual growth rates of the GDP at current prices, GDP at constant prices and prices (GDP deflator)

Year	Annual growth rates (%)		
	GDP current prices	GDP constant prices	Prices
1980	12.4	-0.2	12.6
1981	15.7	1.6	13.9
1982	14.2	2.2	11.8
1983	13.3	1.5	11.6
1984	10.5	2.6	7.7
1985	14.6	3.2	11.1
1986	11.8	5.6	5.8
1987	11.1	5.2	5.7
1988	12.2	4.7	7.1
1989	11.3	3.7	7.3
1990	9.5	2.3	7.1
1991	7.6	0.7	6.9
1992	3.1	-1.2	4.3
1993	6.3	2.3	4.0
1994	7.7	2.7	4.8
1995	5.7	2.4	3.2
1996	5.6	3.5	2.0
1997	6.3	3.9	2.4
1998	7.1	4.5	2.5
1999	7.5	4.7	2.6
2000	8.7	5.0	3.5
2001	8.0	3.6	4.2
2002	7.1	2.7	4.3
2003	7.3	3.0	4.1
2004	7.4	3.2	4.0
2005	7.8	3.5	4.1

Source: Own calculations based on Instituto Nacional de Estadística (INE).

**Table A 1.3 Population and its distribution by age groups (thousands of people)**

Year	Total	Less than 30	Between 30 and 60	More than 60
1980	37,242	18,359	13,300	5,583
1981	37,646	18,419	13,376	5,851
1982	37,856	18,418	13,446	5,992
1983	38,067	18,418	13,516	6,134
1984	38,280	18,417	13,583	6,279
1985	38,423	18,332	13,662	6,429
1986	38,542	18,221	13,728	6,594
1987	38,667	18,099	13,817	6,751
1988	38,766	17,942	13,920	6,905
1989	38,852	17,762	14,030	7,059
1990	38,826	17,474	14,073	7,279
1991	38,875	17,244	14,176	7,455
1992	39,004	17,058	14,320	7,626
1993	39,132	16,857	14,479	7,796
1994	39,247	16,637	14,651	7,960
1995	39,343	16,389	14,832	8,122
1996	39,431	16,126	15,036	8,269
1997	39,525	15,865	15,273	8,387
1998	39,639	15,619	15,540	8,480
1999	39,803	15,395	15,833	8,575
2000	40,050	15,216	16,176	8,658
2001	40,477	15,131	16,613	8,732
2002	40,964	15,084	17,049	8,831
2003	41,664	15,153	17,539	8,972
2004	42,345	15,193	18,030	9,122
2005	43,038	15,211	18,539	9,288

Source: EUROSTAT.

**Table A 1.4 Annual growth rates of the total population and groups**

Year	Total	Less than 30	Between 30 and 60	More than 60
1981	1.059	0.211	0.726	4.639
1982	0.555	-0.004	0.519	2.394
1983	0.517	-0.078	0.417	2.574
1984	0.430	-0.277	0.420	2.570
1985	0.390	-0.389	0.432	2.566
1986	0.343	-0.538	0.515	2.475
1987	0.265	-0.735	0.545	2.431
1988	0.229	-0.897	0.631	2.408
1989	0.211	-1.031	0.694	2.444
1990	0.180	-1.177	0.765	2.403
1991	0.124	-1.317	0.729	2.415
1992	0.332	-1.081	1.019	2.293
1993	0.329	-1.173	1.107	2.229
1994	0.294	-1.311	1.187	2.102
1995	0.245	-1.488	1.241	2.036
1996	0.223	-1.605	1.375	1.808
1997	0.240	-1.616	1.575	1.431
1998	0.288	-1.553	1.750	1.110
1999	0.412	-1.434	1.880	1.124
2000	0.620	-1.162	2.170	0.959
2001	1.066	-0.558	2.703	0.863
2002	1.204	-0.308	2.621	1.131
2003	1.707	0.453	2.877	1.594
2004	1.636	0.267	2.800	1.672
2005	1.636	0.115	2.822	1.824

Source: Own calculations based on EUROSTAT.

**Table A 1.5 Growth of the Spanish GDP per capita (constant prices) and convergence with Europe (EU15 =100)**

Year	GDP per capita (Euro)	Growth rates of the GDP per capita	Convergence (1)
1980	9,286.8	-	-
1981	9,331.0	0.5	72.6
1982	9,485.2	1.7	72.6
1983	9,571.0	0.9	72.3
1984	9,766.5	2.0	71.7
1985	10,041.4	2.8	71.5
1986	10,575.1	5.3	71.8
1987	11,085.1	4.8	73.6
1988	11,580.6	4.5	74.3
1989	11,987.2	3.5	75.4
1990	12,267.1	2.3	76.3
1991	12,336.1	0.6	79.0
1992	12,152.3	-1.5	78.7
1993	12,385.1	1.9	79.5
1994	12,684.3	2.4	77.7
1995	12,959.2	2.2	78.2
1996	13,387.0	3.3	79.4
1997	13,871.7	3.6	79.4
1998	14,449.8	4.2	81.2
1999	15,073.4	4.3	83.6
2000	15,737.0	4.4	84.1
2001	16,139.0	2.6	85.1
2002	16,378.2	1.5	87.2
2003	16,593.7	1.3	89.0
2004	16,856.1	1.6	88.7
2005	17,170.4	1.9	90.6

(1) Convergence measured as the ratio between the per capita GDP in Spain (Euros Purchasing Power Parity) and in Europe-15. Source: Own calculations based on Eurostat.

**Table A 1.6 Net current transfers and net capital transactions (€billion)**

Year	Net current transfers	Net capital transactions	Net transfers
1980	1.15	-0.01	1.14
1981	1.26	-0.01	1.25
1982	1.39	-0.02	1.37
1983	1.21	-0.01	1.20
1984	1.35	-0.03	1.32
1985	1.4	-0.19	1.21
1986	0.96	-0.07	0.89
1987	1.94	-0.16	1.78
1988	3.09	0.13	3.22
1989	3.01	0.60	3.61
1990	2.18	0.62	2.80
1991	2.32	1.68	4.00
1992	1.64	2.10	3.74
1993	1.69	2.03	3.72
1994	1.23	1.78	3.01
1995	1.73	4.43	6.16
1996	1.07	4.92	5.99
1997	1.09	5.53	6.62
1998	0.92	5.81	6.73
1999	0.65	6.22	6.87
2000	-0.3	5.24	4.94
2001	-1.31	5.66	4.35
2002	-0.88	7.95	7.07
2003	-3.9	8.51	4.61
2004	-4.63	8.69	4.06
2005	-6.65	8.49	1.84

Source: Own calculations based on AMECO.

Table A 1.7 Interest rates (3 months and 10 years)

Year	Interbank (3 months)	Government bond yields, 10 years' maturity - Annual data
1980	16.5	16.0
1981	16.2	15.8
1982	16.3	16.0
1983	20.1	16.9
1984	14.9	16.5
1985	12.2	13.4
1986	11.7	11.4
1987	15.8	12.8
1988	11.6	11.8
1989	15.0	13.7
1990	15.2	14.7
1991	13.2	12.4
1992	13.3	11.7
1993	11.7	10.2
1994	8.0	10.0
1995	9.4	11.3
1996	7.5	8.7
1997	5.4	6.4
1998	4.3	4.8
1999	3.0	4.7
2000	4.4	5.5
2001	4.3	5.1
2002	3.3	5.0
2003	2.3	4.1
2004	2.1	4.1
2005	2.2	3.4

Source: Banco de España and Eurostat.



Table A 1.8 Occupation rate and labour productivity <sup>(1)</sup>

Year	Occupation rate		Labour productivity		Index of Real GDP per capita
	Rate	Index	Euros	Index	
1980	32.0	100.0	39,116	100.0	100.0
1981	30.9	96.7	40,022	102.3	100.5
1982	30.5	95.3	40,873	104.5	102.1
1983	30.2	94.5	41,742	106.7	103.1
1984	29.4	92.0	43,458	111.1	105.2
1985	29.0	90.6	44,928	114.9	108.1
1986	29.6	92.4	45,339	115.9	113.9
1987	30.9	96.6	45,666	116.7	119.4
1988	31.9	99.7	46,368	118.5	124.7
1989	33.0	103.1	46,906	119.9	129.1
1990	34.2	106.8	46,898	119.9	132.1
1991	34.5	107.8	47,520	121.5	132.8
1992	33.9	105.9	48,641	124.4	130.9
1993	32.8	102.5	49,545	126.7	133.4
1994	32.5	101.7	50,965	130.3	136.6
1995	33.1	103.3	51,400	131.4	139.5
1996	33.4	104.5	51,778	132.4	144.2
1997	34.5	107.9	51,909	132.7	149.4
1998	35.9	112.2	51,909	132.7	155.6
1999	37.4	116.8	51,988	132.9	162.3
2000	38.9	121.6	51,969	132.9	169.5
2001	39.7	124.2	52,214	133.5	173.8
2002	40.1	125.2	52,367	133.9	176.4
2003	40.3	126.1	52,332	133.8	178.7
2004	40.7	127.4	52,205	133.5	181.5
2005	41.4	129.5	52,052	133.1	184.9

(1) Occupation rate defined as the relationship between the number of employees and the total population, and labour productivity defined as the relationship between the GDP and the number of employees. Source: Own calculations based on Banco de España and AMECO.

**Table A 1.9 Annual rates of change of the labour productivity, stock of physical and technological capital per employee and human capital<sup>(1)</sup>**

Year	Labour productivity	Physical capital per employee	Technological capital per employee	Human capital
1981	2.3	6.5	15.1	5.4
1982	2.1	4.6	16.1	9.7
1983	2.1	3.5	14.3	9.9
1984	4.1	4.2	15.5	6.7
1985	3.4	3.2	12.3	7.6
1986	0.9	1.1	12.0	5.5
1987	0.7	0.0	6.8	5.5
1988	1.5	2.4	7.7	5.2
1989	1.2	3.8	8.3	5.4
1990	0.0	3.6	7.6	3.8
1991	1.3	5.9	8.7	3.0
1992	2.4	7.2	9.6	3.6
1993	1.9	6.6	6.9	4.9
1994	2.9	4.0	7.0	4.2
1995	0.9	2.1	6.0	3.3
1996	0.7	1.7	4.6	4.1
1997	0.3	0.0	2.7	2.9
1998	0.0	0.0	2.7	2.6
1999	0.2	0.4	2.8	2.6
2000	0.0	-0.1	3.5	1.8
2001	0.5	1.6	4.7	2.6
2002	0.3	2.0	4.9	1.8
2003	-0.1	1.2	5.0	2.5
2004	-0.2	0.8	4.8	1.7
2005	-0.3	0.8	-	-

(1) Labour productivity measured as the GDP by person employee; physical capital measured as the stock of capital using the method of permanent inventory; technological capital measured as the accumulated flows in research and development; human capital measured as the percentage of employees who are educated at least to secondary level (for a detailed description of these indicators see Puente and Pérez (2004).

Source: Own calculations based on Banco de España, AMECO and IVIE.

Table A 1.10 Openness index of the Spanish economy <sup>(1)</sup> and percentage of international trade of goods with other EU countries

Year	Openness index			% Trade goods with EU
	Total	Goods	Services	
1980	31.49	24.12	7.39	41.4
1981	35.31	26.93	8.41	37.9
1982	36.46	27.74	8.75	40.4
1983	39.73	30.23	9.53	41.8
1984	41.57	31.64	9.95	43.7
1985	40.89	31.21	9.70	45.9
1986	35.38	25.69	9.74	57.6
1987	36.30	26.74	9.62	61.2
1988	36.66	27.26	9.45	63.4
1989	37.28	28.28	9.03	61.6
1990	35.51	27.05	8.48	64.0
1991	35.38	26.96	8.43	63.7
1992	35.89	26.54	9.38	66.2
1993	36.91	26.99	9.95	63.6
1994	41.62	31.36	10.27	66.6
1995	44.75	34.35	10.40	69.7
1996	46.76	35.65	11.11	70.0
1997	51.76	39.75	12.01	64.0
1998	53.57	40.71	12.86	74.2
1999	55.19	41.48	13.71	71.4
2000	61.20	46.13	15.06	69.8
2001	59.50	44.14	15.37	70.9
2002	56.64	41.88	14.75	71.3
2003	54.97	40.78	14.19	71.6
2004	55.95	41.74	14.21	70.2
2005	56.40	41.96	14.44	66.5

(1) Measured as the percentage that the imports and exports represent in GDP. Source:

OECD.

Table A 1.11 Foreign Direct Investment

Year	INFLOWS (€million)	OUTFLOWS (€million)	INFLOWS (%GDP)	OUTFLOWS (%GDP)
1981	509	101	0.4	0.1
1982	640	294	0.5	0.2
1983	702	159	0.5	0.1
1984	938	233	0.5	0.1
1985	987	244	0.5	0.1
1986	1,708	271	0.8	0.1
1987	1,932	501	0.8	0.2
1988	3,132	844	1.1	0.3
1989	4,018	1,018	1.3	0.3
1990	8,479	2,109	2.5	0.6
1991	7,774	2,764	2.2	0.8
1992	8,216	1,336	2.2	0.4
1993	7,320	2,427	1.9	0.6
1994	7,468	3,310	1.8	0.8
1995	4,710	3,116	1.0	0.7
1996	5,193	4,256	1.1	0.9
1997	5,621	11,041	1.1	2.2
1998	10,592	17,002	2.0	3.2
1999	14,791	39,501	2.6	6.8
2000	40,728	59,344	6.5	9.4
2001	31,296	36,982	4.6	5.4
2002	38,154	33,483	5.2	4.6
2003	22,705	20,709	2.9	2.6
2004	7,928	33,806	0.9	4.0

Source: Own calculations based on Instituto Nacional de Estadística and OECD.

Table A 1.12 Distribution of the occupied population and current GVA by sectors

Year	Occupied population			Current GVA		
	Agriculture	Industry	Services	Agriculture	Industry	Services
1980	16.9	33.7	49.4	7.3	36.9	55.7
1981	16.3	32.4	51.4	6.3	35.7	58.0
1982	16.0	31.5	52.5	6.3	35.1	58.5
1983	16.0	30.9	53.1	6.2	34.8	59.0
1984	15.8	29.9	54.3	6.4	33.5	60.1
1985	15.4	29.3	55.3	6.1	33.9	60.0
1986	14.1	29.5	56.5	5.9	34.2	59.9
1987	13.1	29.7	57.2	5.9	33.6	60.5
1988	12.5	29.8	57.6	6.0	33.5	60.6
1989	11.3	30.3	58.3	5.5	33.7	60.8
1990	10.5	30.6	58.9	5.5	33.0	61.5
1991	9.4	30.4	60.2	5.1	32.3	62.6
1992	8.9	29.5	61.6	4.5	30.7	64.7
1993	8.7	28.4	62.9	4.8	29.3	65.9
1994	8.4	27.9	63.7	4.8	28.9	66.3
1995	7.9	28.2	63.9	4.5	29.4	66.1
1996	7.8	28.3	63.9	5.1	29.1	65.8
1997	7.4	28.9	63.6	5.0	29.3	65.7
1998	7.1	29.2	63.7	4.9	29.1	66.0
1999	6.6	29.6	63.8	4.5	29.2	66.3
2000	6.3	29.9	63.8	4.4	29.2	66.4
2001	6.1	30.1	63.8	4.3	29.2	66.6
2002	5.9	29.9	64.2	4.0	28.9	67.0
2003	5.7	29.7	64.7	4.0	28.9	67.2
2004	5.4	29.5	65.1	3.8	29.0	67.2
2005	5.2	29.5	65.3	3.3	29.3	67.5

Source: Own calculations based on AMECO.

## APPENDIX 2

Table A 2. 1 Utilised Agricultural Area (000 ha).

Year	Total UAA	Arable land	Pastures	Irrigated Land
1980	27,205	20,499	6,706	3,030
1981	27,174	20,487	6,686	3,058
1982	27,184	20,524	6,660	3,123
1983	27,153	20,508	6,645	3,133
1984	27,158	20,512	6,646	3,175
1985	27,143	20,415	6,728	3,217
1986	27,072	20,420	6,652	3,261
1987	27,074	20,390	6,685	3,316
1988	27,134	20,365	6,770	3,345
1989	27,070	20,324	6,745	3,371
1990	26,930	20,172	6,758	3,403
1991	26,526	20,089	6,438	3,388
1992	26,419	19,947	6,472	3,403
1993	26,151	19,657	6,494	3,435
1994	26,026	18,454	7,572	3,484
1995	25,760	18,753	7,006	3,531
1996	25,619	19,144	6,475	3,603
1997	25,659	18,623	7,036	3,634
1998	25,628	18,515	7,114	3,651
1999	25,531	18,338	7,192	3,689
2000	25,337	18,304	7,033	3,735
2001	25,254	18,044	7,211	3,727
2002	25,182	17,944	7,238	3,791
2003	25,075	17,981	7,094	3,772
2004	24,250	17,958	6,292	3,800

Source: Anuario de Estadística Agraria, MAPA (various years).

**Table A 2.2 Information about capitalization, Spanish agricultural sector**

Year	Tractors	Rotovators	Harvesters	Mechanization index 1 (MI1)	Mechanization index 2 (MI2)
1980	523,907	220,532	41,568	149.1	176.6
1981	548,080	230,841	42,361	156.7	184.7
1982	562,626	230,964	41,781	155.3	187.5
1983	592,010	246,833	44,025	158.5	193.6
1984	611,433	257,098	44,686	174.6	203.1
1985	633,210	271,058	45,103	157.4	191.6
1986	657,826	274,581	47,113	164.7	200.1
1987	678,680	278,215	47,555	173.3	208.7
1988	722,661	298,510	37,916	180.0	218.1
1989	722,661	283,593	49,009	186.8	224.4
1990	740,130	280,002	37,916	195.3	234.0
1991	755,743	280,904	38,404	209.7	240.9
1992	766,267	280,989	31,960	224.1	247.7
1993	775,297	283,101	30,056	231.4	255.6
1994	789,747	278,070	29,704	232.8	255.5
1995	805,593	261,906	49,221	250.9	274.9
1996	823,609	280,866	49,408	261.3	287.9
1997	841,932	281,906	49,729	268.7	295.7
1998	862,140	282,759	50,087	277.6	303.2
1999	881,977	284,001	50,045	285.5	311.8
2000	899,700	284,944	51,130	292.8	325.2
2001	925,688	279,920	50,591	307.3	337.7
2002	946,053	280,509	51,501	319.0	350.9
2003	943,653	281,168	50,454	317.9	350.0
2004	966,598	280,850	51,073	326.8	360.4

MI1: mechanization index taking into account only tractors and Rotovators. MI2: mechanization index considering all the machinery. Source: Anuario de Estadística Agraria, MAPA (various years).

Table A 2.3 Distribution of the occupied population by age groups

Year	Agriculture				Total economy			
	16-19	20-24	25-54	more 55	16-19	20-24	25-54	more 55
1980	6.57	6.28	59.31	27.85	6.55	10.76	66.87	15.81
1981	6.44	6.72	58.39	28.46	5.75	10.65	67.74	15.87
1982	6.38	6.94	58.42	28.26	5.21	10.44	68.61	15.74
1983	6.19	7.01	59.01	27.79	4.68	10.20	69.25	15.87
1984	6.35	7.43	58.37	27.86	4.30	9.89	70.17	15.64
1985	6.30	8.12	57.29	28.29	4.01	9.70	70.70	15.59
1986	5.67	8.08	57.95	28.30	4.05	9.92	71.06	14.98
1987	5.27	8.76	58.26	27.72	4.32	10.65	70.71	14.33
1988	4.58	8.64	57.89	28.89	4.29	11.22	70.51	13.98
1989	4.11	8.53	56.84	30.52	4.35	11.54	70.38	13.73
1990	3.83	8.03	57.16	30.99	4.18	11.61	70.85	13.35
1991	3.62	7.79	57.89	30.70	3.99	11.53	71.48	13.00
1992	3.57	7.08	59.03	30.32	3.77	10.93	72.30	13.00
1993	3.37	7.03	59.96	29.65	3.04	9.97	74.14	12.85
1994	3.06	7.18	61.21	28.55	2.70	9.75	75.47	12.08
1995	3.04	7.34	61.71	27.92	2.52	9.71	76.25	11.51
1996	2.90	6.98	62.79	27.34	2.31	9.40	77.06	11.24
1997	3.02	6.95	65.05	24.99	2.12	9.51	77.46	10.91
1998	3.36	7.34	65.39	23.91	2.25	9.50	77.52	10.73
1999	3.05	7.59	67.23	22.13	2.38	9.79	77.61	10.21
2000	3.00	6.84	68.93	21.24	2.38	9.76	77.65	10.22
2001	2.84	6.98	69.22	20.96	2.31	9.62	77.60	10.48
2002	2.92	6.88	69.35	20.86	2.14	9.24	78.10	10.51
2003	2.83	7.07	69.41	20.68	1.91	8.92	78.50	10.66
2004	2.18	7.31	71.01	19.50	1.87	8.57	78.87	10.69
2005	2.52	7.14	69.87	20.47	2.01	8.55	78.41	11.02

Source: Own calculations based on Instituto Nacional de Estadística.



Table A 2.4 Qualification indices <sup>(1)</sup>. Total economy and agricultural sector

Year	IQ2-Agriculture	IQ1-Agriculture	IQ2-Economy	IQ1-Economy
1980	0.22	6.30	3.48	28.59
1981	0.18	7.10	3.58	30.13
1982	0.20	7.82	3.79	33.06
1983	0.16	9.03	4.32	36.33
1984	0.21	10.78	4.47	38.78
1985	0.23	12.47	4.77	41.73
1986	0.27	13.80	4.90	44.02
1987	0.36	16.18	5.04	46.46
1988	0.37	17.50	5.20	48.89
1989	0.55	18.49	5.71	51.55
1990	0.45	19.40	5.89	53.50
1991	0.42	19.67	6.22	55.10
1992	0.48	20.40	6.39	57.09
1993	0.57	23.35	6.45	59.89
1994	0.58	25.99	7.07	62.42
1995	0.70	28.36	7.60	64.49
1996	0.69	30.79	8.22	67.14
1997	0.95	34.64	8.47	69.06
1998	0.98	37.92	9.13	70.86
1999	1.20	40.87	9.70	72.72
2000	1.10	43.13	10.18	74.05
2001	0.99	44.63	10.72	76.00
2002	1.52	47.20	10.91	77.39
2003	1.63	50.69	11.37	79.32
2004	1.85	52.37	12.00	80.68

QI1: qualification index obtained as the percentage of occupied people with at least secondary studies. QI2: qualification index obtained as the percentage of occupied people with a university degree. Source: Own calculations based on Instituto Valenciano de Investigaciones Económicas (IVIE)..

Table A 2.5 Characteristics of the labour force

Year	Agriculture		Total Economy	
	Percentage of non familiar labour	Percentage of female	Percentage of non familiar labour	Percentage of female
1980	28.34	26.89	70.28	28.13
1981	28.28	26.19	70.18	27.84
1982	28.97	25.46	70.34	28.06
1983	28.84	26.32	69.85	28.60
1984	27.57	26.08	68.91	28.78
1985	30.17	25.92	69.43	28.86
1986	31.69	24.73	70.92	28.94
1987	31.75	25.20	70.67	29.91
1988	32.73	26.24	71.47	30.47
1989	31.22	26.41	72.85	30.83
1990	32.53	26.92	74.11	31.35
1991	35.42	26.52	74.73	31.94
1992	32.80	27.24	73.80	32.74
1993	31.83	26.91	73.83	33.39
1994	32.74	26.44	74.01	33.76
1995	33.38	27.09	74.67	34.16
1996	34.11	25.61	75.21	34.67
1997	38.34	25.69	76.38	35.07
1998	39.41	24.75	77.23	35.03
1999	40.94	25.21	78.70	35.78
2000	42.05	26.01	79.83	36.66
2001	44.63	25.80	80.20	37.13
2002	44.97	25.81	81.01	37.67
2003	46.85	26.88	81.68	38.41
2004	48.78	26.33	81.91	39.16
2005	49.00	54.48	81.70	:

Source: Own calculations based on Instituto Nacional de Estadística.

Table A 2.6 Economic accounts for agriculture (€million, current prices, SEC-79)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Final Agricultural Production	8,953	9,470	11,433	12,983	15,170	16,204	16,830	17,684	19,477	19,707	20,990
Crop Output	5,007	4,975	5,843	7,204	8,761	9,208	9,636	10,637	11,548	11,471	12,561
Cereals	1,130	:	824	1,046	2,230	2,279	1,761	2,226	2,626	1,979	1,756
Potatoes	466	:	524	903	1,005	664	945	944	863	925	965
Industrial crops	261	:	639	372	539	560	704	654	837	707	790
Horticultural products	1,024	:	1,462	1,487	1,787	1,715	2,100	2,403	2,623	2,951	3,669
Fruits	1,097	:	1,192	1,752	1,763	2,036	2,370	2,172	2,245	2,392	2,620
Wine	330	:	433	427	515	463	487	615	395	874	930
Olive oil	305	:	296	644	298	755	465	617	919	633	883
Other crop products	394	:	473	573	624	736	804	1,000	1,039	1,010	948
Animal output	3,886	4,414	5,265	5,693	6,389	6,932	7,103	7,216	7,488	8,165	8,158
Animals	2,555	:	:	3,839	4,153	4,568	4,705	4,857	5,083	5,456	5,590
Cattle	615	:	:	933	940	981	1,039	1,186	1,263	1,345	1,423
Sheep and goats	445	:	:	576	708	814	1,057	1,012	989	859	980
Pigs	851	:	:	1,489	1,541	1,773	1,835	1,714	1,819	2,282	2,097
Poultry	538	:	:	715	827	840	768	780	837	848	838
Equines	8	:	:	10	10	9	7	14	15	14	16
Other animals	98	:	:	115	127	151	141	151	160	109	237
Animal Products	1,331	:	:	1,854	2,235	2,364	2,398	2,359	2,405	2,709	2,568
Milk	820	:	1,023	1,146	1,388	1,454	1,547	1,410	1,507	1,795	1,784
Eggs	383	:	488	526	631	672	611	708	653	658	693
Other animal products	128	:	17	183	217	238	240	241	246	256	91
Intermediate consumption	3,414	4,365	4,973	5,834	6,802	7,247	7,589	7,809	8,112	8,379	8,789

Seeds and planting stock	105	109	128	155	185	206	217	254	266	294	365
Energy	268	396	439	508	612	694	632	616	599	628	682
Fertiliser	504	573	631	635	818	895	1,023	996	990	951	820
Plant protection products	110	123	137	185	227	269	274	278	336	323	374
Veterinary expenses	70	82	90	103	117	128	143	154	152	178	242
Feedingstuffs	1,603	2,181	2,490	3,031	3,461	3,545	3,537	3,574	3,772	3,896	3,884
Maintenance of materials	460	524	617	721	808	856	1,016	1,093	1,108	1,182	1,394
Services	120	136	154	180	228	262	285	310	335	339	406
Other expenses	172	243	286	314	346	392	461	535	553	588	621
Gross Value Added at market prices	5,539	5,105	6,460	7,150	8,369	8,958	9,241	9,875	11,365	11,328	12,201
Fixed capital consumption	548	657	782	914	1,068	1,206	1,386	1,458	1,614	1,641	1,722
Net Value Added at market prices	4,991	4,448	5,678	6,235	7,301	7,751	7,855	8,417	9,752	9,687	10,479
Subsidies on production	59	138	140	198	152	157	123	258	466	631	809
Taxes on production	20	20	20	36	37	39	42	70	75	107	117
Net Value Added at cost prices	5,031	4,566	5,797	6,397	7,417	7,869	7,936	8,604	10,143	10,210	11,171

Source: Anuario de Estadística Agroalimentaria, MAPA, various years.

Table A 2.7 Economic accounts for agriculture (€millions, current prices), SEC-95

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Output of Agricultural Industry	24,322	24,420	23,068	24,503	27,538	28,529	31,926	33,673	34,210	33,713	36,282
Crop Output	14,857	14,810	13,376	14,612	16,363	16,986	19,170	20,523	21,453	21,113	22,464
Cereals	2,575	2,841	2,115	3,306	2,770	2,682	4,178	3,740	4,000	3,464	4,316
Potatoes	729	824	486	455	834	797	471	443	559	500	481
Industrial crops	1,210	1,181	1,074	1,232	2,041	1,728	1,733	1,683	1,686	1,566	1,606
Horticultural products	4,562	3,924	3,834	3,661	4,136	4,102	4,544	5,076	5,408	5,313	6,107
Fruits	3,142	3,350	3,269	3,238	3,831	4,465	4,581	4,847	5,001	5,142	5,131
Wine	670	472	550	428	461	703	1,009	1,009	1,011	1,351	1,516
Olive oil	745	970	887	1,139	1,184	1,706	1,241	2,359	2,172	2,159	1,655
Other crop products	1,224	1,247	1,160	1,154	1,105	803	1,414	1,365	1,616	1,617	1,651
Animal output	8,600	8,821	8,759	8,969	10,149	10,494	11,606	11,923	11,526	11,206	12,355
Animals	6,054	6,491	6,535	6,583	7,569	7,898	8,879	9,147	8,647	8,382	9,244
Cattle	1,506	1,513	1,539	1,735	2,019	2,037	2,101	2,167	2,415	2,407	2,139
Sheep and goats	1,313	1,256	1,219	1,274	1,374	1,369	1,712	1,612	1,553	1,495	1,694
Pigs	2,097	2,483	2,534	2,301	2,608	3,036	3,463	3,777	3,082	3,015	3,794
Poultry	838	921	926	950	1,201	1,067	1,184	1,150	1,132	1,107	1,228
Equines	63	62	63	66	75	65	66	77	69	61	69
Other animals	237	255	255	256	292	325	352	364	395	298	320
Animal Products	2,546	2,330	2,224	2,386	2,580	2,596	2,728	2,777	2,879	2,823	3,111
Milk	1,775	1,618	1,548	1,704	1,865	1,880	1,931	1,930	2,096	2,123	2,164
Eggs	680	628	591	593	609	595	654	694	623	549	795
Other animal products	91	85	86	89	106	121	142	153	161	152	153
Agricultural services output	269	281	275	262	294	311	352	381	394	422	455
Other activities	595	509	658	660	733	737	797	846	837	973	1,008
Intermediate consumption	8,835	8,955	8,955	8,575	9,266	9,704	10,367	10,930	11,016	12,048	13,210

Seeds and planting stock	539	509	467	388	402	539	536	636	733	829	842
Energy	735	791	827	847	857	860	890	919	894	952	1,225
Fertiliser	926	923	816	665	910	925	1,087	1,026	1,071	1,038	1,144
Plant protection products	513	514	489	479	557	584	674	725	766	800	871
Veterinary expenses	242	252	272	293	312	326	385	407	445	447	467
Feedingstuffs	4,112	4,072	4,129	3,919	4,164	4,311	4,498	4,782	4,598	5,386	5,899
Maintenance of materials	925	983	996	984	1,001	1,080	1,144	1,198	1,246	1,291	1,335
Services	295	313	315	300	337	351	386	431	449	475	514
Other expenses	547	597	643	699	725	728	767	807	814	830	912
Gross Value Added at basic prices	15,488	15,466	14,113	15,928	18,272	18,826	21,559	22,742	23,194	21,665	23,072
Fixed capital consumption	1,963	2,007	1,960	1,992	2,110	2,277	2,395	2,518	2,585	2,662	2,777
Net Value Added at market prices	13,525	13,459	12,153	13,935	16,162	16,549	19,164	20,224	20,609	19,003	20,296
Other subsidies on production	292	331	352	797	709	846	1,125	954	999	959	1,307
Other taxes on production	51	72	131	92	99	53	113	119	125	129	136
Net Value Added at cost prices	13,766	13,717	12,374	14,640	16,772	17,342	20,176	21,059	21,484	19,834	21,466

Source: Anuario de Estadística Agroalimentaria, MAPA, various years.

Table A 2.8 Economic accounts for agriculture ((€millions, current prices), SEC-95

	2001	2002	2003	2004	2005
Output of Agricultural Industry	38,508	39,066	42,155	41,624	39,761
Crop Output	22,347	24,054	27,126	26,667	24,653
Cereals	3,786	4,093	4,191	4,653	3,260
Potatoes	585	490	566	585	419
Industrial crops	1,536	1,630	1,383	1,600	1,310
Horticultural products	6,567	7,107	9,271	7,983	8,215
Fruits	5,678	5,544	6,728	5,975	6,151
Wine	872	1,095	1,364	1,181	969
Olive oil	1,981	2,802	2,160	3,176	2,880
Other crop products	1,342	1,293	1,463	1,516	1,449
Animal output	14,596	13,307	13,548	13,415	13,652
Animals	11,150	9,908	10,104	9,782	10,208
Cattle	2,161	2,429	2,514	2,339	2,446
Sheep and goats	1,743	1,816	1,778	1,688	1,734
Pigs	4,963	3,972	3,885	4,056	4,198
Poultry	1,800	1,312	1,477	1,388	1,505
Equines	78	77	80	86	87
Other animals	403	302	371	226	238
Animal Products	3,447	3,399	3,444	3,633	3,445
Milk	2,474	2,382	2,394	2,573	2,615
Eggs	800	815	932	953	722
Other animal products	173	202	118	108	108
Agricultural services output	452	490	455	459	444
Other activities	1,113	1,215	1,027	1,083	1,011
Intermediate consumption	13,486	14,261	14,476	14,736	14,851
Seeds and planting stock	900	958	896	928	916
Energy	1,143	1,109	1,146	1,243	1,418
Fertiliser	1,170	1,109	1,220	1,204	1,140
Plant protection products	877	959	859	860	760
Veterinary expenses	485	488	503	516	523
Feedingstuffs	6,085	6,648	6,797	6,857	6,875
Maintenance of materials	1,384	1,455	1,518	1,539	1,626
Services	517	579	551	559	534
Other expenses	925	955	988	1,030	1,061
Gross Value Added at basic prices	25,022	24,805	27,679	26,888	24,910
Fixed capital consumption	3,141	3,265	3,359	3,511	3,670
Net Value Added at market prices	21,881	21,541	24,321	23,377	21,239
Other subsidies on production	2,364	2,344	2,530	2,568	2,398
Other taxes on production	143	148	156	166	167
Net Value Added at cost prices	24,103	23,736	26,695	25,779	23,471

Source: Anuario de Estadística Agroalimentaria, MAPA, various years.

Table A 2.9 Agricultural income

Year	Total agricultural income (€millions)		Work Annual Units (000)	Income per worker (€/AWU)	
	Current prices	Constant prices		Current prices	Constant prices
1980	5,031	5,031	1,917	2,625	2,625
1981	4,566	4,008	1,744	2,618	2,298
1982	5,797	4,551	1,680	3,451	2,710
1983	6,397	4,499	1,659	3,855	2,712
1984	7,417	4,846	1,573	4,714	3,080
1985	7,869	4,627	1,525	5,161	3,035
1986	7,936	4,410	1,468	5,405	3,004
1987	8,604	4,525	1,428	6,025	3,169
1988	10,143	4,978	1,397	7,262	3,564
1989	10,210	4,672	1,334	7,655	3,503
1990	11,171	4,770	1,287	8,682	3,708
1991	13,717	5,483	1,209	11,343	4,534
1992	12,374	4,740	1,176	10,522	4,031
1993	14,640	5,394	1,127	12,994	4,787
1994	16,772	5,895	1,114	15,053	5,291
1995	17,342	5,908	1,102	15,737	5,361
1996	20,176	6,737	1,105	18,260	6,097
1997	21,059	6,860	1,117	18,849	6,140
1998	21,484	6,817	1,160	18,514	5,875
1999	19,834	6,087	1,113	17,824	5,470
2000	21,466	6,321	1,101	19,489	5,738
2001	24,103	6,804	1,099	21,937	6,192
2002	23,736	6,435	1,069	22,198	6,018
2003	26,695	6,958	1,023	26,103	6,803
2004	25,779	6,456	1,016	25,381	6,356
2005	23,471	5,638	1,017	23,073	5,542

Source: Anuarios de Estadística Agroalimentaria, MAPA (various years), and own calculations.



Table A 2.10 Relationship among different price indices

Year	Agricultural terms of trade	Received price index / Consumer price index	Received price index / GDP deflator
1980	100	100	100
1981	92.0	98.4	99.0
1982	96.9	99.7	102.6
1983	90.3	97.1	100.4
1984	87.4	95.7	102.3
1985	86.8	91.3	95.6
1986	86.1	86.3	92.9
1987	87.7	84.3	90.4
1988	89.3	83.1	87.2
1989	93.7	83.7	87.4
1990	93.6	78.9	82.1
1991	92.4	74.9	77.2
1992	85.0	66.0	69.1
1993	86.3	66.3	69.8
1994	93.0	70.1	73.8
1995	98.1	73.0	77.9
1996	95.9	72.0	78.0
1997	90.5	68.3	73.6
1998	90.0	66.0	70.6
1999	89.7	63.3	67.0
2000	88.5	63.7	66.9
2001	89.1	63.4	66.0
2002	86.2	59.9	61.8
2003	89.9	61.3	62.6
2004	87.2	60.0	60.8
2005	88.5	59.8	60.0

Source: Own calculations based on Anuario de Estadística Agroalimentaria, MAPA (various years).

Table A 2.11 Labour productivity (gross value added by person occupied, in €) .

Year	Labour Productivity (current prices)				Labour Productivity (constant prices)			
	Agriculture	Industry	Services	Total	Agriculture	Industry	Services	Total
1980	3,223	5,783	8,382	7,433	3,223	5,783	8,382	7,433
1981	3,286	6,680	9,661	8,558	3,068	6,108	8,368	7,615
1982	3,923	7,921	11,075	9,933	3,142	6,239	8,513	7,771
1983	4,374	9,071	12,548	11,290	3,333	6,451	8,600	7,944
1984	5,352	10,215	14,555	13,158	3,681	6,557	8,822	8,268
1985	5,761	11,649	15,825	14,583	3,838	6,881	8,957	8,538
1986	6,774	13,056	17,080	16,104	3,969	7,040	8,951	8,667
1987	7,732	13,939	18,231	17,247	4,662	7,246	8,832	8,743
1988	8,874	15,224	19,558	18,612	5,126	7,562	8,855	8,889
1989	9,840	16,631	20,962	20,120	5,222	7,789	8,847	8,977
1990	11,216	17,631	22,627	21,658	5,697	7,837	8,746	8,969
1991	12,687	19,179	24,380	23,456	6,524	8,094	8,648	9,064
1992	12,911	20,101	26,652	25,371	7,082	8,192	8,650	9,199
1993	15,035	21,082	28,509	27,218	7,669	8,269	8,678	9,329
1994	16,485	22,330	29,927	28,766	7,613	8,575	8,773	9,514
1995	17,354	24,045	31,431	30,385	7,459	8,792	8,806	9,580
1996	20,609	24,512	32,556	31,596	8,933	8,686	8,792	9,645
1997	21,846	24,952	33,349	32,302	9,724	8,692	8,758	9,648
1998	22,572	25,446	34,117	32,929	10,030	8,819	8,689	9,620
1999	22,722	26,393	34,976	33,623	10,182	9,039	8,662	9,612
2000	24,079	27,532	36,198	34,768	10,878	9,074	8,661	9,610
2001	25,276	29,332	38,119	36,520	10,633	9,367	8,695	9,659
2002	25,990	31,099	39,825	38,154	10,862	9,536	8,680	9,673
2003	27,592	33,158	41,037	39,519	10,887	9,777	8,604	9,632
2004	28,541	35,554	42,203	40,843	11,253	9,962	8,558	9,597
2005	26,449	38,265	43,601	42,203	10,115	10,119	8,576	9,546

Source: Own calculations based on AMECO.

Table A 2.12 Decomposition of the agricultural labour productivity

Year	GVA/AWU (€/unit)	GVA/SAU (€/ha)	UAA/AWU (ha/unit)
1980	2,890	203.6	14.2
1981	2,773	178.0	15.6
1982	3,012	186.1	16.2
1983	3,259	199.2	16.4
1984	3,745	217.0	17.3
1985	4,000	224.7	17.8
1986	4,194	227.5	18.4
1987	4,414	232.8	19.0
1988	4,932	253.8	19.4
1989	4,656	229.4	20.3
1990	5,159	246.5	20.9
1991	6,909	315.0	21.9
1992	7,287	324.4	22.5
1993	8,017	345.4	23.2
1994	8,091	346.4	23.4
1995	7,541	322.6	23.4
1996	8,517	367.3	23.2
1997	9,418	410.1	23.0
1998	9,414	426.3	22.1
1999	9,431	411.0	22.9
2000	9,830	427.3	23.0
2001	10,306	448.4	23.0
2002	10,987	466.5	23.5
2003	11,855	483.5	24.5
2004	11,674	489.0	23.9

Source: Own calculations based on Anuario de Estadística Agroalimentaria, MAPA (various years).

Table A 2.13 Volume of imports (€thousand)

Year	Total Goods	Total agricultural products	I. Animal products	II. Vegetal products	III. Oils and fat
1981	17,886	1,561	142	1,342	76
1982	20,885	1,799	173	1,560	67
1983	25,104	2,222	197	1,950	76
1984	27,827	2,214	253	1,854	108
1985	30,740	2,086	317	1,649	120
1986	29,778	2,417	572	1,714	131
1987	36,370	2,191	552	1,496	143
1988	41,887	2,378	658	1,567	152
1989	50,463	2,776	905	1,661	209
1990	53,480	2,830	906	1,750	175
1991	57,918	3,279	1,033	1,987	260
1992	61,332	3,480	1,163	2,051	266
1993	60,889	3,984	1,337	2,374	273
1994	73,962	5,163	1,684	3,024	455
1995	84,783	6,358	1,662	4,044	653
1996	94,179	5,895	1,708	3,663	524
1997	109,469	6,323	1,861	4,058	404
1998	122,856	6,715	2,021	4,278	415
1999	139,094	6,836	2,069	4,210	557
2000	169,468	6,771	2,274	4,166	331
2001	173,210	7,262	2,253	4,651	358
2002	175,268	7,802	2,390	5,026	386
2003	185,114	7,764	2,476	4,816	472

Source: Anuario Estadístico de España. INE (various years)

Table A 2.14 Volume of exports (€thousand)

Year	Total Goods	Total agricultural products	I. Animal products	II. Vegetal products	III. Oils and fat
1981	11,357	1,336	66	1,084	186
1982	13,426	1,335	65	1,081	189
1983	17,109	1,600	65	1,260	275
1984	22,499	2,136	69	1,643	424
1985	24,694	2,258	56	1,718	484
1986	22,933	2,475	86	2,105	284
1987	25,314	3,028	153	2,489	385
1988	28,004	3,357	208	2,675	473
1989	30,859	3,249	278	2,683	288
1990	33,840	3,436	312	2,567	557
1991	36,450	3,912	272	2,927	714
1992	40,013	4,023	397	3,263	363
1993	46,606	4,988	468	3,967	552
1994	58,578	6,245	709	4,776	760
1995	68,152	6,986	971	5,286	729
1996	78,212	7,832	1,239	5,610	983
1997	93,419	9,607	1,516	6,704	1,388
1998	99,849	9,763	1,573	6,896	1,294
1999	104,789	9,455	1,756	6,746	953
2000	124,177	10,542	2,177	7,190	1,175
2001	129,771	11,680	2,462	7,984	1,233
2002	133,268	12,732	2,316	8,717	1,699
2003	138,119	13,339	2,534	9,210	1,596

Source: Anuario Estadístico de España. INE (various years)

**Table A 2.15 Main variables from the Agricultural Censuses (1982, 1989 and 1999)**

Indicators	1982	1989	1999
Number of holdings (000)	2,375.3	2,284.9	1,790.2
Number of holdings with land (000)	2,344.0	2,264.2	1,764.3
Total land (000 ha.)	44,311.8	42,939.2	42,181.0
UAA (000 ha.)	23,672.0	24,316.8	26,316.8
Irrigated land	2,680.6	2,633.3	3,315.6
Labour (000 AWU)	1,496.4	1,262.2	1,188.9
Standard Gross Margin (000 ESU)	10,845.4	9,069.7	15,539.2

Source: INE and MAPA.

**Table A 2.16 Number of farms and SGM by size classes, Agricultural Censuses**

Economic size	1989		1999	
	Farms (000)	SGM (000 ESU)	Farms (000)	SGM (000 ESU)
Less than 2 ESU	1,326.2	859.5	781.1	595.1
From 2 to 8 ESU	507.7	2,099.0	473.9	2,003.2
From 8 to 16 ESU	154.3	1,716.5	182.8	2,074.9
From 16 to 40 ESU	78.4	1,854.2	150.5	3,716.4
From 40 to 100 ESU	19.8	1,171.3	52.5	3,118.4
More than 100 ESU	6.3	1,369.2	17.9	4,031.2

Source: Own calculations based on INE and MAPA.

**Table A 2.17 Main variables from the Survey of the Structure of Agricultural Holdings**

Indicators	1990	1993	1995	1997	2000	2003	2005
Number of holdings (000)	1,593.6	1,383.9	1,277.6	1,208.3	1,287.4	1,140.7	1,069.7
UAA (000 ha.)	24,531.1	24,713.7	25,230.3	25,630.1	26,158.4	25,175.3	24,855.1
Labour (000 AWU)	1,143.4	1,112.1	1,089.6	1,099.0	1,077.7	997.8	992.6
Standard Gross Margin (000 ESU)	8,888.9	11,458.4	10,972.6	12,836.9	15,320.8	17,266.4	20,002.8
Number of holdings in less favoured area	1,074.2	932.4	915.7	863.0	930.7	744.3	711.0
Agricultural area in less favoured area	18,358.4	18,227.3	19,972.6	20,308.9	21,172.6	19,611.0	19,384.1
Number of holdings in mountain area	506.3	425.0	404.0	374.3	391.2	335.6	321.1
Agricultural area in mountain area	7,432.2	6,937.3	7,361.7	7,505.5	8,296.9	7,406.8	7,394.2

Source: EUROSTAT and INE.

**Table A 2.18 Some characteristics of the labour obtained from the Survey of the Structure of Agricultural Holdings.**

	1990	1993	1995	1997	2000	2003
Total labour force in AWU	1,143.4	1,112.1	1,089.6	1,099.0	1,077.7	997.8
Total family labour force in AWU	852.7	841.0	801.8	778.6	709.9	652.4
Holder's being a natural person (AWU)	520.4	495.1	465.0	445.9	464.7	400.9
Holder's being a natural person: work time > 0 to < 25% (AWU)	56.8	50.3	43.4	43.2	51.2	48.9
Holder's being a natural person: work time > 25 to < 50% (AWU)	62.9	50.4	54.9	53.3	55.6	60.3
Holder's being a natural person: work time > 50 to < 75% (AWU)	75.0	39.8	49.5	41.7	46.3	37.1
Holder's being a natural person: work time > 75 to < 100% (AWU)	74.7	57.4	58.1	59.2	66.8	49.1
Holder's being a natural person: work time 100% (AWU)	251.0	297.3	259.2	248.5	244.8	205.6
Total family labour force (person)	2,707.4	2,430.0	2,384.8	2,328.4	2,253.7	2,128.6
Total family labour force full-time employed (person)	372.5	454.6	386.0	371.7	324.6	272.7

Source: EUROSTAT

Table A 2.19 Number of municipalities in every size group

	1960	1981	1991	2001
Less than 101 inhabitants	124	682	927	981
From 101 to 500 inhabitants	3,261	2,849	2,882	2,848
From 501 to 1.000 inhabitants	1,881	1,303	1,155	1,122
From 1.001 to 2.000 inhabitants	1,497	1,059	1,021	993
From 2.001 to 5000 inhabitants	1,393	1,076	1,018	1,004
From 5.001 to 10.000 inhabitants	623	513	491	510
From 10.001 to 20.000 inhabitants	254	288	298	334
From 20.001 to 50.000 inhabitants	108	149	172	197
From 50.001 to 100.000 inhabitants	35	53	57	63
From 100.001 to 500.000 inhabitants	23	44	50	50
More than 500.000 inhabitants.	3	6	6	6
<b>Total</b>	<b>9,202</b>	<b>8,022</b>	<b>8,077</b>	<b>8,108</b>

Source: INE

Table A 2.20 Population by size groups of the municipality

	1960	1981	1991	2001
Less than 101 inhabitants	9,502	42,684	56,316	60,396
From 101 to 500 inhabitants	964,396	756,666	738,293	714,260
From 501 to 1.000 inhabitants	1,334,468	932,867	827,118	796,662
From 1.001 to 2.000 inhabitants	2,132,502	1,513,792	1,457,282	1,426,139
From 2.001 to 5000 inhabitants	4,406,789	3,344,622	3,187,638	3,155,455
From 5.001 to 10.000 inhabitants	4,371,489	3,524,103	3,394,233	3,498,499
From 10.001 to 20.000 inhabitants	3,410,424	3,954,716	4,102,341	4,673,214
From 20.001 to 50.000 inhabitants	3,027,992	4,292,069	4,979,662	5,839,977
From 50.001 to 100.000 inhabitants	2,442,326	3,521,466	3,773,817	4,231,284
From 100.001 to 500.000 inhabitants	4,160,188	8,420,510	9,542,029	9,446,485
More than 500.000 inhabitants	4,332,860	7,442,765	7,405,143	7,005,000
<b>Total</b>	<b>30,582,936</b>	<b>37,746,260</b>	<b>39,463,872</b>	<b>40,847,371</b>

Source: INE



Table A 2.21 Distribution of population between rural and urban areas

Year	Population (thousands)			Population (in %)	
	Rural	Urban	Total	Rural	Urban
1950	13,483	14,526	28,009	48.14	51.86
1955	13,366	15,833	29,199	45.78	54.22
1960	13,228	17,228	30,456	43.43	56.57
1965	12,413	19,643	32,056	38.72	61.28
1970	11,472	22,307	33,779	33.96	66.04
1975	10,832	24,764	35,596	30.43	69.57
1980	10,215	27,326	37,541	27.21	72.79
1985	9,921	28,553	38,474	25.79	74.21
1990	9,688	29,615	39,303	24.65	75.35
1995	9,642	30,293	39,935	24.14	75.86
2000	9,674	31,078	40,752	23.74	76.26
2005	9,611	31,573	41,184	23.34	76.66
2010	9,374	31,910	41,284	22.71	77.29
2015	9,001	32,167	41,168	21.86	78.14
2020	8,500	32,315	40,815	20.83	79.17
2025	7,918	32,451	40,369	19.61	80.39
2030	7,294	32,657	39,951	18.26	81.74

Source: United Nations, Population Division

### APPENDIX 3

Table A 3.1 Distribution of Structural Funds among objectives

	Programming period 1989-93 (Mill. ECU and %)					
	Spain	%	UE-12	%	Spain/UE-12 (%)	
Objective 1	10,171	77.6	43,818	69.6	23.2	
Objective 2	1,506	11.5	6,130	9.7	24.6	
Objectives 3-4	837	6.4	6,669	10.6	12.6	
Objective 5a	321	2.5	4,102	6.5	7.8	
Objective 5b	265	2.0	2,232	3.5	11.9	
Total structural funds	13,100	100	62,951	100	20.8	
Communitarian Initiatives	1,129		5,285		21.4	
Cohesion fund	859		1565		54.9	
	Programming period 1994-99 (Mill. ECU and %)					
	Spain	%	UE-15	%	Spain/UE-15 (%)	
Objective 1	26,300	83.0	93,991	68.0	28.0	
Objective 2	2,415	7.6	15,352	11.1	15.7	
Objectives 3-4	1,843	5.8	15,184	11.0	12.1	
Objective 5a	446	1.4	6,155	4.5	7.2	
Objective 5b	664	2.1	6,860	5.0	9.7	
Objective 6		-	697	-	0	
Total structural funds	31,668	100	138,239	100	22.9	
Communitarian Initiatives	2,781		14,018		19.8	
Cohesion fund	7,950		14,454		55.0	
	Programming period 2000-06 (€Million and %)					
	Spain	%	UE-15	%	Spain/UE-15 (%)	
Objective 1	38,096	88.4	135,954	74.1	28.0	
Objective 2	2,651	6.2	22,454	12.2	11.8	
Objective 3	2,140	5.0	24,050	13.1	8.9	
IFOP	200	0.5	1,106	0.6	18.1	
Total structural funds	43,087	100	183,564	100	23.5	
Communitarian Initiatives	1,958		10,442		18.8	
Cohesion fund	11,160		18,000		62.0	

Source: European Commission (1997) and Cuadrado and Mancha (2005)

**Table A 3.2 Funding for accompanying measures, Programming periods 1994-99 and 2000-06 (€million and %)**

Measure	Period 1994-99			Period 2000-06			% variation	
	Total public expense	EAGGF	% UE	Total public expense	EAGGF	% UE	Total public expense	EAGGF
Agri-environment	382.3	276.6	72.4	1,318.7	903.0	68.5	345.0	326.5
Early retirement	96.3	68.4	71.0	458.8	289.0	63.0	476.2	422.7
Afforestation	769.5	568.3	73.8	1,078.9	719.0	66.6	140.2	126.5
Compensatory payments	487.0	314.6	64.6	563.4	386.0	68.5	115.7	122.7
<b>Total</b>	<b>1,735.1</b>	<b>1227.8</b>	<b>70.8</b>	<b>3,419.7</b>	<b>2,296.9</b>	<b>67.2</b>	<b>197.1</b>	<b>187.1</b>

Source: MAPA (2004).

**Table A 3.3 Basic indicators of LEADER and PRODER initiatives**

Indicator	LEADER I	LEADER II	PRODER 1	LEADER +	PRODER 2
% national territory	16	45	24	50	48
% national population	5	12	11	19	20
Demographic density	22	21	36	34	37
N. of GAL	52	132	97	145	162
Predicted investment (M€)	263	1100	620	795	814
Final private investment (%)	53	56	50	:	:
Final public investment (%)					
National	20	16	18	:	:
European	27	28	32	:	:

Source: MAPA (2004)

**Table A 3.4 Basic indicators of LEADER and PRODER initiatives**

	LEADER II		PRODER	
	Total	%	Total	%
1. Communitarian subsidies	381.1	27,9	255,0	32,3
EAGGF Guarantee	171.2	12,6	158,8	20,1
ERDF	181.8	13,3	96,2	12,2
ESF	28.1	2,1	-	-
2. National administration	223.9	16,4	138,2	17,5
Central administration	45.6	3,3	15,8	2,0
Autonomous administration	114.7	8,4	57,6	7,3
Local Administration	63.6	4,7	64,8	8,2
3. Private funding	758.9	55,6	397,5	50,3
<b>Total expenses</b>	<b>1,364.0</b>	<b>100</b>	<b>790,7</b>	<b>100</b>

Source: MAPA (2006).

Table A 3.5 Distribution of the total public funding among measures and between regions (€million)<sup>(1)</sup>

Measures	Regions Objective 1		Regions Objective 1 outside		Total National	
	1994-99	2000-06	1994-99	2000-06	1994-99	2000-06
Income aids	407	424	80	140	487	563
Compensatory payments	407	424	80	140	487	563
Improvement of the structures	3,667	6,572	1,038	2,027	4,706	8,601
a. Improvement of the productive infrastructures	1,516	3,460	336	894	1,851	4,351
a.1. Infrastructures	696	695	196	245	891	945
a.2. Irrigation	440	1,975	140	533	580	2,508
a.3. Technical services to support the agricultural holdings	380	790	0	116	380	899
b. Improvement of agricultural structures	993	1,714	223	540	1,216	2,256
b.1. Modernization of agricultural holdings	631	843	142	312	774	1,161
b.2. Setting up of young farmers	281	499	65	140	346	636
b.3. Early retirement	81	372	16	87	96	459
c. Improvement of the commercialization and transformation structures	1,158	1,398	479	593	1,638	1,994
c.1. Promotion of the associations	94	96	95	73	190	169
c.2. Promotion of the quality of agricultural products	81	0	0	0	81	0
c.3. Support to investment in the improvement of commercialisation of agricultural products	984	1,302	384	520	1,368	1,825
Environmental improvements	1,731	3,568	283	806	2,014	4,378
a. Agri-environmental measures	341	975	41	344	382	1,319
b. Forestry and environmental protection	656	1,626	206	350	862	1,981
c. Farmland afforestation	734	967	27	112	770	1,079
Economic diversification of rural areas	701	1,104	405	297	1,107	1,418
a. Technical support	117	314	105	79	223	400

b. Rural tourism and artisanal activities	207	116	31	66	239	186
c. Small rural enterprises	145	0	22	28	167	132
d. Rural and cultural heritage	224	162	245	75	469	244
e. Other lines of actuation	7	410	2	49	10	456
Training	55	111	14	37	69	151
a. Agricultural training	2	17	2	23	4	40
b. Training on diversification	53	95	12	14	65	112
<b>TOTAL</b>	<b>6,561</b>	<b>11,778</b>	<b>1,821</b>	<b>3,307</b>	<b>8,382</b>	<b>15,112</b>

(1) For the programming period 2000-06 there are a total amount of 34 million euros that are not included in the table because its interregional nature.

Source: MAPA (2006).

Table A 3.6 Funding of the LEADER + and PRODER 2

	LEADER +		PRODER 2	
	Total	%	Total	%
1. Communitarian subsidies	496.0	62.5	515.2	63.3
2. National administration	297.6	37.5	298.4	36.7
Central administration	110.3	13.9	104.0	12.8
Autonomous and local administrations	187.3	23.6	194.4	23.9
Total public expenses	793.6	100	813.6	100

Source: La Agricultura, la pesca y la alimentación en España. 1999. MAPA (2000).

Table A 3.7 Distribution of direct aid by size groups

Size group	2000		2005	
	Number of producers	Amount (€thousand)	Number of producers	Amount (€thousand)
>0 and < 1250 €	493,573	204,311	462,886	196,499
>1250 and < 2000	88,239	140,526	85,424	136,279
>2000 and < 5000	155,587	504,330	152,777	493,308
>5000 and < 10000	82,406	583,611	88,738	624,875
>10000 and < 20000	54,966	755,217	61,586	870,505
>20000 and < 30000	15,214	367,560	24,431	592,744
>30000 and < 40000	6,290	216,394	10,271	353,820
>40000 and < 50000	3,291	146,506	5,255	233,892
>50000 and < 60000	1,949	106,439	2,969	162,021
>60000 and < 80000	2,229	153,359	3,199	219,991
>80000 and < 100000	1,122	99,997	1,618	143,547
>100000 and < 150000	1,218	146,133	1,656	198,942
>150000 and < 200000	449	76,825	614	104,739
>200000 and < 250000	170	37,945	227	50,411
>250000 and <300000	106	29,119	139	37,960
>300000 and <350000	46	14,775	66	21,337
>350000 and <400000	32	12,081	33	12,178
More than 400000	90	198,002	134	206,313
TOTAL	906,977	3,793,130	902,023	4,659,361

Source: Own calculations based on FEAGA

**Table A 3.8** Distribution of direct aid by size groups (%).

Size group	2000		2005	
	Number of producers	Amount (€thousand)	Number of producers	Amount (€thousand)
>0 and < 1250 €	54.420	5.39	51.316	4.22
>1250 and < 2000	9.729	3.70	9.470	2.92
>2000 and < 5000	17.154	13.30	16.937	10.59
>5000 and < 10000	9.086	15.39	9.838	13.41
>10000 and < 20000	6.060	19.91	6.828	18.68
>20000 and < 30000	1.677	9.69	2.708	12.72
>30000 and < 40000	0.694	5.70	1.139	7.59
>40000 and < 50000	0.363	3.86	0.583	5.02
>50000 and < 60000	0.215	2.81	0.329	3.48
>60000 and < 80000	0.246	4.04	0.355	4.72
>80000 and < 100000	0.124	2.64	0.179	3.08
>100000 and < 150000	0.134	3.85	0.184	4.27
>150000 and < 200000	0.050	2.03	0.068	2.25
>200000 and < 250000	0.019	1.00	0.025	1.08
>250000 and <300000	0.012	0.77	0.015	0.81
>300000 and <350000	0.005	0.39	0.007	0.46
>350000 and <400000	0.004	0.32	0.004	0.26
More than 400000	0.010	5.22	0.015	4.43
<b>TOTAL</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

Source: Own calculations based on FEAGA

**Table A 3.9** Sectoral distribution of direct aid, 2000 and 2005

Products	2000		2005	
	Amount (€'000)	%	Amount (€'000)	%
Cereals	1,518,526	40.5	1,832,277	39.7
Olive oil	957,249	25.5	1,016,038	22.0
Sheep and goats	466,934	12.4	510,733	11.1
Cattle	407,105	10.8	816,330	17.7
Tobacco	115,571	3.1	111,694	2.4
Banana	109,739	2.9	69,709	1.5
Legumes	61,587	1.6	60,833	1.3
Rice	32,511	0.9	116,362	2.5
Others	84,021	2.2	84,146	1.8
<b>Total</b>	<b>3,753,243</b>		<b>4,618,122</b>	

Source: Own calculations based on FEAGA

## APPENDIX 4

Table A 4.1 GDP at constant prices ((€million, base year 1995)

Year	Navarre	Spain	EU15
1980	5,361	304,119	4,662,677
1981	5,492	304,115	4,666,255
1982	5,329	309,812	4,693,450
1983	5,438	316,344	4,762,623
1984	5,550	323,186	4,872,923
1985	5,722	328,797	4,996,547
1986	5,772	339,856	5,135,643
1987	6,402	357,701	5,268,061
1988	6,629	384,204	5,477,297
1989	7,215	402,873	5,667,545
1990	7,172	417,164	5,880,696
1991	7,371	427,912	6,186,085
1992	7,398	431,190	6,262,997
1993	7,163	425,109	6,227,241
1994	7,370	435,824	6,407,805
1995	7,617	446,881	6,568,112
1996	7,850	458,089	6,686,150
1997	8,210	476,107	6,869,016
1998	8,474	496,649	7,078,062
1999	8,746	517,783	7,294,012
2000	9,173	540,780	7,559,976
2001	9,405	556,060	7,689,633
2002	9,645	568,884	7,767,497
2003	9,842	583,206	7,848,863
2004	10,201	600,957	8,022,062

Source: Ezcurra and Iraizoz (2007)



Table A 4.2 Annual growth rates of the GDP at constant prices

Year	Annual growth rates (%)		
	Navarre	Spain	EU15
1981	2.44	0.00	0.08
1982	-2.97	1.87	0.58
1983	2.05	2.11	1.47
1984	2.07	2.16	2.32
1985	3.09	1.74	2.54
1986	0.87	3.36	2.78
1987	10.92	5.25	2.58
1988	3.54	7.41	3.97
1989	8.85	4.86	3.47
1990	-0.61	3.55	3.76
1991	2.78	2.58	5.19
1992	0.37	0.77	1.24
1993	-3.18	-1.41	-0.57
1994	2.89	2.52	2.90
1995	3.35	2.54	2.50
1996	3.06	2.51	1.80
1997	4.58	3.93	2.73
1998	3.21	4.31	3.04
1999	3.22	4.26	3.05
2000	4.87	4.44	3.65
2001	2.54	2.83	1.72
2002	2.55	2.31	1.01
2003	2.05	2.52	1.05
2004	3.65	3.04	2.21

Source: Ezcurra and Iraizoz (2007)

**Table A 4.3 Population and its distribution by age groups, Navarre**

Year	Total	Less than 30	Between 30 and 60	More than 60
1980	506,252	242,301	181,224	82,727
1981	508,679	242,070	182,594	84,015
1982	511,003	241,010	183,785	86,208
1983	513,267	239,742	184,892	88,633
1984	515,154	238,045	186,018	91,091
1985	516,918	236,076	187,249	93,593
1986	518,350	233,684	188,607	96,059
1987	518,578	230,473	189,707	98,398
1988	518,314	226,736	190,835	100,743
1989	518,579	223,299	192,113	103,167
1990	519,106	219,925	193,602	105,579
1991	519,394	216,260	195,070	108,064
1992	522,183	214,341	197,588	110,254
1993	524,949	212,119	200,404	112,426
1994	527,710	209,811	203,419	114,480
1995	530,913	207,603	206,716	116,594
1996	533,961	205,179	210,359	118,423
1997	536,594	202,608	214,196	119,790
1998	539,234	200,091	218,280	120,863
1999	542,559	197,820	222,774	121,965
2000	546,692	195,930	227,801	122,961
2001	551,417	194,338	233,115	123,964
2002	555,879	192,811	237,794	125,274
2003	564,608	193,494	243,930	127,184
2004	573,038	193,969	249,766	129,303
2005	580,616	193,675	255,331	131,610

Source: INE

Table A 4.4 Annual growth rates of the total population and age groups, Navarre

Year	Total	Less than 30	Between 30 and 60	More than 60
1981	0.479	-0.095	0.756	1.557
1982	0.457	-0.438	0.652	2.610
1983	0.443	-0.526	0.602	2.813
1984	0.368	-0.708	0.609	2.773
1985	0.342	-0.827	0.662	2.747
1986	0.277	-1.013	0.725	2.635
1987	0.044	-1.374	0.583	2.435
1988	-0.051	-1.621	0.595	2.383
1989	0.051	-1.516	0.670	2.406
1990	0.102	-1.511	0.775	2.338
1991	0.055	-1.666	0.758	2.354
1992	0.537	-0.887	1.291	2.027
1993	0.530	-1.037	1.425	1.970
1994	0.526	-1.088	1.504	1.827
1995	0.607	-1.052	1.621	1.847
1996	0.574	-1.168	1.762	1.569
1997	0.493	-1.253	1.824	1.154
1998	0.492	-1.242	1.907	0.896
1999	0.617	-1.135	2.059	0.912
2000	0.762	-0.955	2.257	0.817
2001	0.864	-0.813	2.333	0.816
2002	0.809	-0.786	2.007	1.057
2003	1.570	0.354	2.580	1.525
2004	1.493	0.245	2.392	1.666
2005	1.322	-0.152	2.228	1.784

Source: Own calculations based on INE

Table A 4.5 Real GDP per capita in Navarre, Spain and Europe (1995 prices)

Year	Navarre	Spain	Europe 15
1980	10,695	8,122	13,880
1981	10,778	8,056	13,840
1982	10,406	8,161	13,894
1983	10,565	8,287	14,062
1984	10,730	8,419	14,360
1985	11,086	8,539	14,696
1986	11,116	8,804	15,073
1987	12,311	9,239	15,433
1988	12,733	9,900	15,995
1989	13,849	10,360	16,468
1990	13,757	10,708	17,034
1991	14,153	10,990	16,942
1992	14,130	11,037	17,070
1993	13,610	10,848	16,900
1994	13,924	11,091	17,333
1995	14,307	11,346	17,708
1996	14,665	11,604	17,976
1997	15,264	12,028	18,420
1998	15,666	12,503	18,935
1999	16,060	12,968	19,458
2000	16,706	13,431	20,093
2001	16,992	13,650	20,349
2002	17,006	13,636	20,439
2003	17,096	13,691	20,548
2004	17,522	13,951	20,901

Source: Ezcurra and Iraizoz (2007)

**Table A 4.6 Real GDP per capita in Navarre in relation to others GDP per capita**

Year	GDP pc (Spain=100)	GDP pc (EU15=100)	GDP pc - pps (EU25=100)
1980	131.68	77.05	94.0
1981	133.79	77.87	95.0
1982	127.50	74.89	91.0
1983	127.49	75.13	91.0
1984	127.44	74.72	91.0
1985	129.83	75.44	92.0
1986	126.27	73.75	90.0
1987	133.25	79.77	97.0
1988	128.62	79.61	97.0
1989	133.68	84.10	102.0
1990	128.47	80.76	110.0
1991	128.77	83.54	115.0
1992	128.02	82.77	113.0
1993	125.47	80.53	110.0
1994	125.54	80.33	109.0
1995	126.10	80.80	110.0
1996	126.39	81.58	110.0
1997	126.90	82.87	111.0
1998	125.29	82.73	111.0
1999	123.84	82.54	113.0
2000	124.38	83.14	113.0
2001	124.48	83.50	114.0
2002	124.72	83.21	115.0
2003	124.87	83.20	117.0
2004	125.60	83.83	118.0

Source: Own calculations based on Ezcurra and Iraizoz (2007)

Table A 4.7 Distribution of labour force and real GVA among sectors, Navarre

Year	Occupied population					Real GVA				
	Agricult.	Industry	Construc.	Market Services	Non-market services	Agricult.	Industry	Construc.	Market Services	Non-market services
1980	13.9	32.5	6.4	25.8	21.4	6.9	31.9	6.3	37.1	17.8
1981	14.3	31.9	5.9	25.6	22.3	6.6	33.3	5.9	36.3	18.0
1982	13.4	31.5	5.8	26.1	23.2	6.8	30.7	5.3	38.5	18.7
1983	14.5	31.6	6.1	25.9	21.9	8.1	30.8	4.6	37.9	18.6
1984	14.0	32.2	5.9	26.7	21.2	7.5	31.3	4.4	39.2	17.6
1985	14.2	32.8	6.5	28.1	18.3	5.8	28.9	7.8	36.8	20.6
1986	12.2	33.7	5.6	29.9	18.6	6.6	30.3	5.1	37.5	20.5
1987	11.0	34.2	5.4	27.8	21.6	6.5	32.3	5.2	36.3	19.8
1988	10.0	33.5	6.0	27.2	23.4	6.0	32.7	5.3	35.8	20.3
1989	9.3	33.6	6.9	27.1	23.0	6.2	33.7	5.8	35.1	19.1
1990	7.8	32.7	7.8	28.2	23.5	5.2	32.7	6.2	36.6	19.2
1991	6.7	34.0	7.3	28.4	23.5	5.5	33.7	6.6	35.7	18.5
1992	6.7	32.9	7.0	28.8	24.5	5.9	32.7	6.7	35.6	19.2
1993	6.8	31.3	7.6	29.0	25.2	5.9	32.0	6.6	36.1	19.3
1994	6.7	30.1	7.9	29.6	25.7	5.4	32.7	6.7	36.2	19.0
1995	6.7	30.1	7.7	30.5	25.0	5.1	33.3	6.6	36.1	18.9
1996	6.5	29.8	8.0	30.8	24.9	5.7	33.2	6.5	35.4	19.1
1997	6.3	30.9	8.8	28.9	25.1	5.4	33.8	6.6	35.8	18.5
1998	8.9	30.8	8.3	27.2	24.8	5.4	34.5	6.7	34.7	18.8
1999	8.0	31.5	8.5	26.2	25.7	5.2	35.3	6.7	33.9	18.9
2000	7.0	30.7	9.3	27.2	25.9	5.3	34.7	6.9	34.5	18.7
2001	6.5	31.1	9.0	27.3	26.0	4.9	34.7	6.8	35.1	18.4
2002	5.9	30.8	9.1	27.9	26.3	5.2	34.9	7.0	34.7	18.2
2003	5.7	30.0	9.1	27.9	27.2	5.2	34.2	7.2	35.1	18.3
2004	5.3	30.0	9.0	28.6	27.1	4.9	33.7	7.4	35.4	18.5

Source: Ezcurra and Iraizoz (2007)

**Table A 4.8 Information about capitalization of the agricultural sector, Navarre**

Year	Tractors	Rotovators	Mechanization index 1 (MI1)
1982	14,650	8,708	267
1985	15,124	8,991	284
1987	15,900	9,436	307
1988	16,354	9,651	319
1989	16,807	9,796	329
1990	17,063	9,916	336
1991	17,256	9,994	403
1992	17,349	10,055	409
1993	17,517	10,082	438
1994	17,676	10,099	443
1995	18,091	10,142	470
1996	18,381	10,154	479
1997	18,776	10,162	468
1998	19,158	10,165	476
1999	19,553	10,180	498
2000	19,897	10,184	502
2001	20,154	10,189	549
2002	20,369	10,194	550

MI1: mechanization index taking into account only tractors and Rotovators. Source: Anuario de Estadística Agraria, MAPA (various years)

Table A 4.9 Distribution of the occupied population by age and sex groups

Year	Agriculture					Total economy				
	16-19	20-24	25-54	more 55	% female	16-19	20-24	25-54	more 55	% female
1980	3.59	3.48	54.07	38.86	7.50	5.14	11.71	67.08	16.07	25.16
1981	4.58	3.36	54.53	37.44	7.12	4.38	11.39	67.89	16.31	24.91
1982	5.84	5.41	52.54	36.43	3.35	4.23	11.43	68.28	16.08	25.63
1983	4.12	5.36	52.68	37.73	5.05	3.26	11.08	70.07	15.58	25.98
1984	4.32	7.20	55.15	33.22	4.54	3.47	10.39	71.43	14.74	25.92
1985	4.08	7.43	50.68	37.80	4.29	2.96	10.03	71.85	15.18	26.08
1986	5.86	5.74	56.58	31.82	3.23	3.17	10.08	72.55	14.20	25.72
1987	4.31	8.76	55.08	31.85	4.82	3.23	11.10	72.58	13.11	27.73
1988	4.76	8.59	57.07	29.72	5.55	3.32	11.45	72.91	12.32	28.37
1989	3.49	8.86	56.64	30.87	5.37	3.08	11.88	73.24	11.78	28.86
1990	1.97	6.58	62.83	28.45	6.58	2.86	10.69	74.33	12.07	30.29
1991	1.95	4.10	62.30	31.45	3.91	2.68	10.91	74.47	11.92	31.07
1992	3.01	6.88	60.65	29.46	3.23	3.02	10.73	75.58	10.66	31.56
1993	1.97	5.48	62.94	29.61	6.14	2.15	10.17	77.44	10.23	31.97
1994	1.12	3.15	56.63	39.33	6.74	1.57	9.06	79.36	9.99	32.47
1995	1.50	3.42	63.25	32.05	6.41	1.43	9.98	79.07	9.52	32.91
1996	2.65	2.95	61.86	32.55	16.79	1.33	9.09	79.14	10.45	33.39
1997	2.75	6.09	62.61	28.12	12.75	1.65	8.70	79.09	10.58	34.67
1998	0.39	5.65	69.25	24.70	17.61	1.36	8.77	79.74	10.14	34.36
1999	1.17	5.43	68.58	24.52	15.57	2.15	9.88	78.55	9.42	34.94
2000	1.66	3.63	69.44	24.96	15.73	1.84	9.18	78.62	10.39	36.37
2001	2.00	4.16	65.95	27.73	15.72	2.10	9.12	78.58	10.20	37.19
2002	0.91	7.47	72.56	18.75	17.38	1.54	8.89	79.64	9.92	37.95
2003	1.33	4.49	73.38	20.80	22.63	1.25	7.84	80.26	10.67	39.61
2004	1.70	9.00	68.93	20.37	25.30	1.12	7.45	79.98	11.46	39.55

Source: Own calculations based on Instituto Nacional de Estadística



Table A 4.10 Qualification indices <sup>(1)</sup>. Total economy and agricultural sector

Year	IQ1-Agriculture	IQ1-Economy	IQ2-Agriculture	IQ2-Economy
1980	9.87	33.58	0.00	3.93
1981	10.80	34.50	0.14	4.31
1982	12.92	38.49	0.30	4.92
1983	14.83	40.67	0.20	5.42
1984	17.02	43.04	0.50	5.44
1985	16.62	44.05	0.80	5.36
1986	16.38	46.50	0.62	5.51
1987	19.08	48.26	0.37	5.99
1988	24.19	51.52	0.27	6.51
1989	27.92	54.48	0.62	6.59
1990	28.61	58.21	0.96	6.79
1991	29.12	60.69	1.08	7.34
1992	33.91	64.36	1.61	7.64
1993	38.62	68.26	3.43	7.69
1994	40.54	71.07	5.73	8.33
1995	42.88	72.51	2.47	9.54
1996	32.82	69.77	0.25	8.29
1997	38.68	69.69	0.45	8.84
1998	39.15	71.76	1.34	9.46
1999	43.57	75.21	1.61	10.79
2000	50.58	78.39	0.45	10.42
2001	47.94	79.95	1.10	11.74
2002	56.81	80.33	1.21	12.52
2003	50.96	79.60	1.64	13.36
2004	53.54	80.80	2.60	14.16

Q11: qualification index obtained as the percentage of occupied people with at least secondary studies. Q12: qualification index obtained as the percentage of occupied people with a university degree.

Source: Own calculations based on Instituto Valenciano de Investigaciones Económicas (IVIE)

Table A 4.11 Economic accounts for agriculture (€millions, current prices), SEC-79

Magnitud	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total Production	234.5	253.8	286.2	378.0	409.3	435.9	478.2	468.0	478.7	545.6	476.9
Crop Output	142.5	150.6	157.8	226.9	242.9	241.9	257.5	268.8	265.5	299.7	234.3
Cereals	55.6	53.0	51.5	84.8	97.5	110.7	103.6	125.8	121.1	92.4	76.5
Potatoes	3.8	6.1	10.6	11.2	11.1	6.0	6.8	5.3	5.8	6.4	4.3
Industrial crops	3.8	5.4	5.6	4.9	4.3	3.8	4.1	4.7	4.3	7.6	8.2
Horticultural products	38.0	44.6	56.6	63.5	64.7	47.2	59.4	61.6	70.2	89.7	64.5
Fruits	7.4	7.6	9.5	11.9	11.7	10.6	13.5	10.7	8.2	13.9	14.0
Wine	11.5	9.3	8.8	12.6	12.2	18.0	10.5	11.6	12.1	39.7	22.4
Olive oil	0.5	0.4	0.7	0.7	1.5	0.8	0.6	1.3	0.9	1.3	0.3
Other crop products	21.8	24.2	14.5	37.3	39.8	44.8	59.1	47.8	42.8	48.7	22.9
Animal output	80.0	91.1	111.3	131.6	147.8	172.8	191.5	172.7	185.9	212.3	201.6
Animals	59.2	63.7	80.2	94.8	100.5	116.1	130.4	114.5	125.5	143.5	133.4
Cattle	12.8	11.5	13.2	17.0	18.3	22.1	25.9	25.4	33.5	33.4	35.2
Sheeps and goats	12.4	12.6	15.0	17.7	18.9	23.5	19.8	18.6	24.5	24.3	27.0
Pigs	16.5	21.3	32.4	39.1	40.0	48.7	62.1	47.8	45.0	62.8	49.1
Poultry	14.8	14.8	15.9	17.0	18.8	18.1	19.7	18.2	17.9	19.1	17.0
Equines	0.2	0.4	0.5	0.6	0.7	1.2	0.9	1.2	1.0	0.8	1.1
Other animals	2.4	3.1	3.2	3.4	3.8	2.5	2.1	3.2	3.7	3.2	4.0
Animal Products	20.9	27.4	31.1	36.8	47.3	56.7	61.1	58.2	60.4	68.8	68.2
Milk	13.1	15.5	17.9	20.5	27.2	31.9	39.2	36.2	41.1	49.8	44.2
Eggs	5.4	8.4	8.8	10.3	13.3	12.9	12.8	15.2	12.7	12.8	17.4
Other animal products	2.4	3.5	4.5	6.0	6.8	11.9	9.1	6.8	6.5	6.2	6.6
Other productions	12.0	12.1	17.1	19.4	18.6	21.2	29.2	26.6	27.3	33.6	41.0
Farm use	26.3	28.6	22.8	47.5	52.8	73.2	71.4	55.5	46.8	44.6	39.8
Final production	208.2	225.2	263.3	330.4	356.6	362.7	406.8	412.5	431.9	501.0	437.1

Intermediate consumption	81.4	101.1	114.8	137.0	158.6	187.6	172.4	189.9	209.1	231.8	228.4
Seeds and planting stock	3.2	3.8	4.0	4.7	5.2	6.4	8.8	10.0	11.1	12.9	9.5
Energy	5.5	8.6	9.1	10.4	11.1	11.9	12.1	13.0	18.1	19.7	12.4
Fertiliser	15.2	20.2	20.2	20.9	26.7	44.7	16.6	21.6	24.1	30.6	29.6
Plant protection products	3.3	3.4	3.9	4.7	4.7	4.6	5.0	5.2	6.2	7.3	5.7
Veterinary expenses	1.3	2.0	2.3	2.4	2.5	2.6	3.1	4.9	5.2	7.2	6.2
Feedingstuffs	37.7	45.2	54.5	68.1	78.9	84.6	90.9	94.2	97.4	104.1	96.9
Maintenance of materials	11.8	13.5	15.9	18.6	20.6	22.8	25.6	29.0	31.4	33.1	32.5
Other expenses	3.4	4.5	5.0	7.2	8.6	9.9	10.2	11.9	15.6	16.9	35.6
Gross Value Added at market prices	126.8	124.1	148.5	193.4	198.0	175.1	234.3	222.6	222.8	269.2	208.6
Fixed capital consumption	15.1	16.9	19.7	23.2	25.9	28.3	31.9	35.7	38.3	39.8	39.0
Net Value Added at market prices	111.6	107.2	128.8	170.2	172.1	146.9	202.4	186.9	184.5	229.4	169.6
Net subsidies on production	2.3	2.4	3.0	3.1	4.3	4.2	7.7	18.2	21.5	21.8	28.7
Net Value Added at cost prices	113.9	109.6	131.8	173.2	176.5	151.0	210.1	205.0	206.0	251.2	198.3

Source: Anuario de Estadística Agroalimentaria, MAPA, various years.

Table A 4.12 Economic accounts for agriculture (€million, current prices), SEC-95

Magnitude	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Output Agricultural Industry	497.6	543.3	560.1	550.3	613.8	612.0	669.5	663.9	665.1	666.2	816.9	760.1	714.5	839.0
Crop Output	244.1	278.2	294.3	292.4	317.9	308.4	354.3	331.4	340.0	370.2	478.3	376.2	388.2	452.5
Cereals	81.0	112.6	122.0	152.8	135.2	139.6	161.2	135.4	134.7	133.5	152.2	134.7	131.7	158.6
Potatoes	6.7	6.4	3.7	2.4	7.7	3.7	2.1	2.0	3.1	2.3	3.6	3.5	3.2	4.2
Industrial crops	8.4	7.6	5.0	10.0	15.4	10.4	10.4	11.9	11.6	13.4	14.1	13.3	9.0	8.4
Horticultural products	85.0	87.4	101.8	68.8	91.5	76.8	79.4	95.0	110.4	126.7	87.7	87.0	96.4	109.0
Fruits	18.2	26.2	16.2	15.3	18.4	23.6	22.2	26.8	22.0	19.7	44.6	33.6	41.2	49.0
Wine	11.4	8.3	10.4	8.3	14.0	24.5	42.8	28.3	25.8	38.7	102.2	28.5	18.0	30.3
Olive oil	1.0	0.6	2.0	2.1	2.1	2.9	6.4	2.4	3.6	1.5	3.8	4.3	3.7	6.5
Other crop products	32.3	29.2	33.1	32.7	33.6	26.9	29.8	29.7	29.0	34.4	70.1	71.3	84.9	86.5
Animal output	233.2	247.2	243.1	235.8	268.9	275.3	287.0	302.5	295.0	265.5	309.1	353.3	292.7	355.1
Animals	172.0	188.8	185.3	178.3	207.3	208.3	212.9	227.2	216.6	194.9	225.0	262.1	200.6	253.7
Cattle	39.8	40.1	41.3	40.6	37.1	39.0	39.5	48.7	53.8	50.7	51.5	42.1	44.3	55.0
Sheeps and goats	52.6	58.1	58.0	52.1	61.5	71.2	78.8	86.3	64.5	51.1	80.5	122.5	76.5	86.8
Pigs	1.3	1.2	1.4	1.4	3.9	0.7	1.6	1.9	1.8	2.0	2.7	3.6	2.0	2.0
Poultry	40.9	39.7	40.7	37.2	41.2	41.1	34.6	43.3	45.1	41.4	41.8	40.0	39.2	58.3
Equines	17.3	19.8	14.8	20.4	39.0	27.0	43.3	34.6	39.2	42.1	42.9	48.8	34.8	45.8
Other animals	20.3	30.0	29.0	26.6	24.6	29.2	15.1	12.3	12.3	7.5	5.6	5.0	3.8	5.8
Animal Products	61.1	58.4	57.8	57.5	61.6	67.0	74.1	75.4	78.4	70.6	84.1	91.2	92.2	101.4
Milk	40.5	36.0	37.6	39.9	41.5	47.9	50.1	44.4	49.5	46.9	50.3	56.7	59.4	58.4
Eggs	19.0	22.2	18.9	16.5	18.5	17.5	21.1	28.1	26.3	21.3	31.5	32.0	30.3	40.6
Other animal products	1.6	0.2	1.3	1.2	1.5	1.7	2.9	2.8	2.6	2.5	2.3	2.5	2.4	2.4
Agricultural services output	5.6	6.2	6.2	5.8	6.7	7.4	7.7	8.4	8.7	8.8	4.9	4.7	5.0	5.0
Other activities	14.8	11.6	16.5	16.4	20.3	20.8	20.5	21.6	21.4	21.7	24.6	25.9	28.7	26.4
Intermediate consumption	200.7	199.1	197.0	193.5	203.7	238.4	237.5	276.2	271.2	326.2	290.9	302.8	318.7	316.3

Seeds and planting stock	10.6	6.5	6.1	6.1	5.9	8.8	9.9	13.1	11.7	18.6	20.0	23.1	15.2	16.2
Energy	15.1	16.6	17.4	18.8	17.5	16.6	16.8	17.8	17.5	19.0	25.8	24.0	23.2	26.3
Fertiliser	32.0	33.1	27.3	25.8	20.5	34.5	31.1	41.5	38.7	23.7	28.1	28.1	24.1	9.5
Plant protection products	8.4	9.4	8.2	8.4	10.5	10.8	12.8	16.3	16.9	15.2	9.1	8.7	8.1	8.3
Veterinary expenses	6.2	6.7	7.1	7.1	7.8	7.8	9.6	10.2	11.0	10.1	11.3	12.0	13.2	13.8
Feedingstuffs	98.2	95.1	95.7	93.8	107.3	117.9	113.1	133.4	127.8	188.5	146.2	157.0	180.5	196.4
Maintenance of materials	18.9	19.2	20.4	20.8	22.0	27.6	30.3	28.2	30.2	32.1	35.3	33.3	36.1	31.0
Services	6.6	7.7	8.9	7.1	7.9	9.3	8.9	10.3	9.9	11.4	7.5	8.1	8.9	9.1
Other expenses	4.6	4.8	6.0	5.6	4.3	5.0	4.9	5.5	7.5	7.7	7.7	8.5	9.3	5.5
Gross Value Added basic prices	296.9	344.1	363.1	356.8	410.1	373.6	431.9	387.7	393.9	340.0	526.1	457.3	395.9	522.7
Fixed capital consumption	46.3	48.0	46.6	46.9	50.1	57.1	62.7	64.7	67.5	69.4	47.8	57.4	59.4	43.0
Net Value Added market prices	250.6	296.2	316.5	310.0	360.0	316.5	369.2	323.0	326.4	270.6	478.2	399.9	336.5	479.7
Other subsidies on production	5.7	7.2	6.4	19.6	14.3	16.5	21.0	17.4	18.7	20.0	30.3	65.3	40.5	35.0
Other taxes on production	1.8	2.6	5.6	2.9	3.0	1.6	3.1	3.1	3.2	3.1	3.3	3.5	3.5	3.5
Net Value Added at cost prices	254.5	300.7	317.3	326.7	371.2	331.4	387.1	337.3	342.0	287.5	505.3	461.6	373.5	511.2

Source: Anuario de Estadística Agroalimentaria, MAPA, various years

Table A 4.13 Labour productivity (1995 euro per occupied person)

Year	Navarre				Agriculture-Spain	Agriculture-EU
	Agriculture	Industry	Services	Total		
1980	12,905	25,735	30,378	26,144	7,482	11,195
1981	12,661	28,172	30,820	27,225	7,231	11,492
1982	13,464	25,642	30,771	26,534	7,505	12,570
1983	15,360	25,826	32,419	27,464	8,015	12,404
1984	15,238	26,797	33,934	28,602	8,979	13,902
1985	12,114	27,658	36,607	29,598	9,124	13,948
1986	15,872	26,319	34,948	29,238	9,750	14,452
1987	18,494	29,778	35,628	31,434	11,141	14,860
1988	18,640	29,939	34,498	31,115	12,022	15,278
1989	21,601	31,394	34,841	32,213	12,065	16,140
1990	21,024	30,142	33,875	31,361	12,826	16,956
1991	26,100	30,642	32,801	31,460	14,554	16,957
1992	28,316	31,893	33,132	32,314	15,504	18,751
1993	27,967	31,949	32,923	32,207	16,864	19,834
1994	26,658	34,046	32,627	32,767	16,788	20,312
1995	25,023	34,921	32,780	33,071	16,299	21,359
1996	29,767	35,521	32,876	33,672	18,892	22,940
1997	29,969	35,319	34,601	34,595	19,296	23,363
1998	20,818	35,681	34,396	33,695	19,182	24,149
1999	22,600	36,086	34,008	33,933	18,841	25,579
2000	25,886	35,525	34,029	34,059	19,476	25,863
2001	22,613	35,848	33,762	33,794	18,788	25,600
2002	25,029	36,377	33,468	34,072	19,867	26,907
2003	23,144	37,871	34,860	35,287	20,322	26,353
2004	23,684	38,518	35,057	35,699	20,708	27,027

Source: Ezcurra and Iraizoz (2007)

Table A 4.14 Main variables from the Agricultural Censuses (1982, 1989 and 1999)

Indicators	1982	1989	1999
Number of holdings	42,563	40,047	25,406
Total land (ha.)	965,856	930,756	952,502
UAA (ha.)	516,954	620,150	601,442
Irrigated land	59,789	62,354	72,088
Labour (AWU)	20,614	18,907	16,445
Standard Gross Margin	227,734	237,693	324,285

Source: INE and MAPA

**Table A 4.15 Number of farms and SGM by size classes, Agricultural Censuses**

Economic size	1982		1989		1999	
	Farms	SGM	Farms	SGM	Farms	SGM
Less than 2 ESU	20,861	13,566	20,995	5,146	10,065	7,048
From 2 to 8 ESU	13,624	59,160	10,433	40,696	6,977	30,715
From 8 to 16 ESU	5,188	57,788	4,705	50,930	3,334	38,158
From 16 to 40 ESU	2,356	53,499	3,146	72,865	3,172	79,679
From 40 to 100 ESU	442	25,271	622	35,705	1,427	85,369
More than 100 ESU	92	18,450	160	32,351	431	83,316
<b>TOTAL</b>	<b>42,563</b>	<b>227,734</b>	<b>40,061</b>	<b>237,693</b>	<b>25,406</b>	<b>324,285</b>

Source: Own calculations based on INE

**Table A 4.16 Distribution of the farms by type of farming, Agricultural Censuses**

Type of farming	1989		1999	
	Number	%	Number	%
Cereals, oleaginous and leguminous plants	11,375	28.4	5,119	20.1
Agricultural crops	2,491	6.2	1,960	7.7
Horticulture	4,754	11.9	1,931	7.6
Viticulture	1,907	4.8	2,582	10.2
Fruit trees and citrus fruit	1,479	3.7	938	3.7
Olive grove	270	0.7	1,070	4.2
Various woody crops	791	2.0	1,306	5.1
Milking cows	1,165	2.9	539	2.1
Cattle for meat	336	0.8	790	3.1
Mixed cattle	44	0.1	32	0.1
Sheep, goats and other herbivores	6,482	16.2	2,805	11.0
Granivorous animals	668	1.7	497	2.0
Mixed farming	5,381	13.4	2,911	11.5
Mixed livestock, predominance of herbivores	210	0.5	92	0.4
Mixed livestock, predominance of granivorous	235	0.6	163	0.6
General agriculture and herbivores	593	1.5	292	1.1
Other crops and livestock	460	1.1	202	0.8
Without type of farming	1,406	3.5	2,177	8.6
<b>TOTAL</b>	<b>40,047</b>	<b>100</b>	<b>25,406</b>	<b>100</b>

Source: INE.

**Table A 4.17 Main variables from the Survey of the Structure of Agricultural Holdings**

Indicators	1990	1993	1995	1997	2000	2003	2005
Number of holdings	30,810	25,350	23,800	23,090	20,520	19,060	17,790
UAA	616,710	565,930	582,380	579,240	599,810	586,460	588,750
Labour	18,050	19,040	18,480	17,860	15,760	15,160	15,020
Standard Gross Margin	230,690	351,230	264,160	334,980	321,580	353,490	386,030
Number of holdings in less favoured area	16,910	14,210	13,560	13,290	11,990	11,400	11,070
Agricultural area in less favoured area	411,280	353,630	376,170	385,070	398,620	395,730	393,720
Number of holdings in mountain area	9,380	7,400	6,930	6,910	6,480	6,550	6,370
Agricultural area in mountain area	251,990	185,160	198,320	201,510	233,730	230,440	236,080

Source: EUROSTAT and INE



Table A 4.18 Some characteristics of the labour obtained from the Survey of the Structure of Agricultural Holdings

Indicators	1990	1993	1995	1997	2000	2003	2005
Total labour force in AWU	18,050	19,040	18,480	17,860	15,760	15,160	15,020
Total family labour force in AWU	14,690	15,350	14,860	13,720	11,190	10,580	10,030
Holder's being a natural person (AWU)	9,900	9,810	9,490	8,720	8,180	7,150	6,840
Holder's being a natural person: work time > 0 to < 25% (AWU)	1,110	930	730	740	720	650	530
Holder's being a natural person: work time > 25 to < 50% (AWU)	1,310	990	1,010	1,000	890	690	1,010
Holder's being a natural person: work time > 50 to < 75% (AWU)	1,440	610	730	730	790	840	840
Holder's being a natural person: work time > 75 to < 100% (AWU)	1,310	1,600	1,100	940	1,180	780	670
Holder's being a natural person: work time 100% (AWU)	4,750	5,690	5,910	5,310	4,610	4,190	3,780
Holder's being a natural person: age < 35 years (AWU)	960	830	970	780	1,000	600	470
Holder's being a natural person: age 35 to 44 years (AWU)	1,610	1,490	1,060	1,310	1,590	1,280	1,230
Holder's being a natural person: age 45 to 54 years (AWU)	2,600	2,610	2,690	2,390	1,870	1,510	1,680
Holder's being a natural person: age 55 to 64 years (AWU)	3,670	3,340	2,820	2,490	2,180	2,120	1,880
Holder's being a natural person: age 65 years and over (AWU)	1,070	1,530	1,940	1,750	1,540	1,640	1,570
Total family labour force (person)	48,810	42,330	41,910	38,820	30,880	31,590	27,220
Total family labour force full-time employed (person)	6,260	7,570	8,340	7,030	5,580	5,000	4,490

Source: EUROSTAT

Table A 4.19 Main census variables by county, 1999

County	Number of farms		UAA		AWU	
	No.	%	No.	%	No.	%
<i>I Noroccidental</i>	3,456	13.6	63,394	10.5	3,809	23.2
<i>II Pirineos</i>	1,873	7.4	100,501	16.7	1,114	6.8
<i>III Cuenca de Pamplona</i>	1,537	6.0	50,619	8.4	893	5.4
<i>IV Tierra Estella</i>	4,102	16.1	90,897	15.1	1,799	10.9
<i>V Navarra Media</i>	3,331	13.1	90,041	15.0	1,647	10.0
<i>VI Ribera Alta-Aragón</i>	5,435	21.4	105,649	17.6	3,666	22.3
<i>VII Ribera Baja</i>	5,672	22.3	100,338	16.7	3,516	21.4

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<i>VI Ribera Alta-Aragón</i>	5,435	21.4	105,649	17.6	3,666	22.3
<i>VII Ribera Baja</i>	5,672	22.3	100,338	16.7	3,516	21.4

Table A 4.20 Distribution of the regional farms by county and type of farming, 1999

Type of farming	I Noroccidental			II Pirineos			III C. de Pamplona			IV Tierra Estella			V Navarra Media			VI Ribera Alta			VII Ribera Baja		
	No.	% reg.	% cou.	No.	% reg.	% cou.	No.	% reg.	% cou.	No.	% reg.	% cou.	No.	% reg.	% cou.	No.	% reg.	% cou.	No.	% reg.	% cou.
Cereals, oleag. and legum.	56	1.1	1.6	337	6.6	18.0	853	16.7	55.5	1179	23	28.7	816	15.9	24.5	966	18.9	17.8	912	17.8	16.1
Agricultural crops	30	1.5	0.9	36	1.8	1.9	29	1.5	1.9	211	10.8	5.1	78	4	2.3	569	29	10.5	1007	51.4	17.8
Horticulture	30	1.6	0.9	43	2.2	2.3	43	2.2	2.8	92	4.8	2.2	225	11.7	6.8	1165	60.3	21.4	333	17.2	5.9
Viticulture	0	0	0	40	1.5	2.1	66	2.6	4.3	477	18.5	11.6	687	26.6	20.6	442	17.1	8.1	870	33.7	15.3
Fruit trees and citrus fruit	67	7.1	1.9	22	2.3	1.2	53	5.7	3.4	74	7.9	1.8	75	8	2.3	326	34.8	6.0	321	34.2	5.7
Olive grove	0	0	0	1	0.1	0.1	3	0.3	0.2	374	35	9.1	203	19	6.1	125	11.7	2.3	364	34	6.4
Various woody crops	1	0.1	0.0	1	0.1	0.1	12	0.9	0.8	308	23.6	7.5	185	14.2	5.6	161	12.3	3.0	638	48.9	11.2
Milking cows	459	85.2	13.3	10	1.9	0.5	6	1.1	0.4	11	2	0.3	11	2	0.3	28	5.2	0.5	14	2.6	0.2
Cattle for meat	460	58.2	13.3	175	22.2	9.3	32	4.1	2.1	47	5.9	1.1	12	1.5	0.4	44	5.6	0.8	20	2.5	0.4
Mixed cattle	24	75	0.7	4	12.5	0.2	2	6.3	0.1	0	0	0	0	0	0	1	3.1	0.0	1	3.1	0.0
Sheep, goats and other he.	1720	61.3	49.8	436	15.5	23.3	73	2.6	4.7	176	6.3	4.3	153	5.5	4.6	119	4.2	2.2	128	4.6	2.3
Granivorous animals	137	27.6	4.0	18	3.6	1.0	30	6	2.0	103	20.7	2.5	36	7.2	1.1	105	21.1	1.9	68	13.7	1.2
Mixed farming	24	0.8	0.7	44	1.5	2.3	101	3.5	6.6	553	19	13.5	499	17.1	15.0	1084	37.2	19.9	606	20.8	10.7
Mixed liv, herbivores	54	58.7	1.6	5	5.4	0.3	5	5.4	0.3	13	14.1	0.3	3	3.3	0.1	10	10.9	0.2	2	2.2	0.0
Mixed liv., granivorous	122	74.8	3.5	3	1.8	0.2	3	1.8	0.2	25	15.3	0.6	3	1.8	0.1	5	3.1	0.1	2	1.2	0.0
General agric. and herbiv.	61	20.9	1.8	78	26.7	4.2	30	10.3	2.0	56	19.2	1.4	23	7.9	0.7	27	9.2	0.5	17	5.8	0.3

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Other crops and livestock	67	33.2	1.9	13	6.4	0.7	10	5	0.7	56	27.7	1.4	23	11.4	0.7	22	10.9	0.4	11	5.4	0.2
Without farming type of	144	6.6	4.2	607	27.9	32.4	186	8.5	12.1	347	15.9	8.5	299	13.7	9.0	236	10.8	4.3	358	16.4	6.3

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Source: Own calculations based on Instituto de Estadística de Navarra.

Table A 4.21 Employment and gross value added in the agro-food industry.

Year	GVA (1995 €millions)			Employment (thousand)		
	Navarre	Spain	EU15	Navarre	Spain	EU15
1980	269	10.107	135.585	12,0	425	4.187
1981	270	10.239	134.152	11,2	407	4.087
1982	268	10.211	133.336	11,0	394	4.024
1983	265	10.278	135.227	11,0	387	3.925
1984	242	10.654	137.980	10,5	389	3.889
1985	295	11.612	141.700	11,3	391	3.868
1986	314	12.100	143.210	11,6	392	3.830
1987	364	13.516	145.027	12,0	400	3.812
1988	367	13.932	146.170	12,9	408	3.794
1989	406	14.129	148.203	13,7	418	3.786
1990	382	14.768	156.405	12,9	431	3.844
1991	411	15.171	161.881	13,6	421	3.944
1992	398	15.473	162.141	12,0	416	3.898
1993	419	15.669	160.223	12,0	419	3.816
1994	415	15.567	164.972	10,5	406	3.743
1995	403	15.255	163.756	10,7	413	3.739
1996	421	15.783	165.469	10,9	425	3.739
1997	455	17.048	171.660	11,5	445	3.794
1998	487	18.302	177.008	12,1	468	3.851
1999	521	19.418	180.430	12,6	483	3.869
2000	546	20.585	187.827	13,1	500	3.918
2001	567	21.225	189.252	13,4	510	3.924
2002	586	21.796	190.160	13,7	511	3.887
2003	615	22.730	191.116	13,7	509	3.828
2004	635	23.496	196.336	13,6	503	3.785

Source: Ezcurra and Iraizoz (2007)

Table A 4.22 Regional imports and exports. Total economy and agricultural sector (€millions)

Year	Total economy		Agriculture and food industry	
	Exports	Imports	Exports	Imports
1983	319.0	140.5	37.0	7.2
1984	452.4	241.3	50.6	7.3
1985	568.7	332.1	46.2	15.9
1986	644.6	410.2	39.2	38.1
1987	780.2	485.1	52.9	49.8
1988	821.6	629.4	72.6	58.8
1989	1,013.5	825.6	70.4	76.5
1990	1,139.7	941.7	65.1	83.9
1991	1,469.1	1,298.3	69.1	111.7
1992	1,753.3	1,741.4	67.2	145.0
1993	1,760.4	1,007.0	77.3	195.3
1994	1,969.1	1,289.6	121.4	249.0
1995	2,847.5	1,720.2	155.2	265.6
1996	3,024.9	1,768.7	178.4	266.0
1997	3,402.8	2,319.6	229.7	281.7
1998	3,967.2	2,893.2	276.5	334.1
1999	4,088.1	3,206.5	296.2	368.7
2000	4,808.0	3,830.0	323.7	390.6
2001	4,375.0	3,950.0	340.4	401.3
2002	4,434.0	4,086.0	365.3	426.5
2003	5,095.0	4,150.0	417.2	425.3
2004	4,888.0	4,445.0	424.2	463.0
2005	4,829.0	4,355.0	439.1	422.5
2006	5,408.0	5,186.0	473.0	398.2

Source: Marin (1988) and Gobierno de Navarra (various years): El comercio exterior navarro de productos agroalimentarios

Table A 4.23 Organic production in Navarre

Year	Farmers	Hectares <sup>(1)</sup>	Manufacturers
1991	5	21	1
1992	9	83	2
1993	14	151	3
1994	18	287	5
1995	40	554	18
1996	47	726	18
1997	80	980	27
1998	150	1,800	40
1999	163	2,427	44
2000	225	3,300	54
2001	599	16,899	74
2002	642	21,419	71
2003	638	21,161	75
2004	608	21,902	75
2005	580	19,176	87

(1) Without considering pastures and forest land.

Source: CPAEN (Consejo de la Producción Agraria Ecológica de Navarra)

**Table A 4.24 Number of municipalities in every size group**

	1960	1970	1981	1991	2001	2005
Less than 101 inhabitants	2	14	26	29	34	34
From 101 to 500 inhabitants	118	130	126	125	122	120
From 501 to 1.000 inhabitants	57	38	37	35	33	34
From 1.001 to 2.000 inhabitants	41	31	26	25	32	28
From 2.001 to 5000 inhabitants	40	43	37	37	35	38
From 5.001 to 10.000 inhabitants	5	5	6	7	9	10
From 10.001 to 20.000 inhabitants	1	2	4	5	4	5
From 20.001 to 50.000 inhabitants	0	1	1	1	2	2
From 50.001 to 100.000 inhabitants	1	0	0	0	0	0
From 100.001 to 500.000 inhabitants	0	1	1	1	1	1
More than 500.000 inhabitants	0	0	0	0	0	0
<b>Total</b>	<b>265</b>	<b>265</b>	<b>264</b>	<b>265</b>	<b>272</b>	<b>272</b>

Source: Own calculations based on Instituto de Estadística de Navarra

**Table A 4.25 Population by size groups of the municipality (thousands)**

	1960	1970	1981	1991	2001	2005
Less than 101 inhabitants	0.2	1.0	1.8	2.0	2.3	2.2
From 101 to 500 inhabitants	35.0	35.1	30.3	30.0	29.5	28.7
From 501 to 1.000 inhabitants	40.0	27.3	27.2	26.0	24.4	25.0
From 1.001 to 2.000 inhabitants	60.4	43.5	37.8	36.0	44.7	38.7
From 2.001 to 5000 inhabitants	116.1	128.1	107.5	107.0	104.7	114.5
From 5.001 to 10.000 inhabitants	36.0	38.1	42.5	46.0	61.9	70.2
From 10.001 to 20.000 inhabitants	16.4	23.7	52.5	66.0	52.0	66.2
From 20.001 to 50.000 inhabitants	0.0	20.9	24.6	26.0	50.5	54.6
From 50.001 to 100.000 inhabitants	97.9	0.0	0.0	0.0	0.0	0.0
From 100.001 to 500.000 inhabitants	0.0	147.2	183.1	180.0	186.2	193.3
More than 500.000 inhabitants	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>402.0</b>	<b>464.9</b>	<b>507.3</b>	<b>519.0</b>	<b>556.3</b>	<b>593.5</b>

Source: Own calculations based on Instituto de Estadística de Navarra



**Table A 4.26 Cross of classifications of the municipalities**

2005	Density of Population		Total
	Less than 150	More than 150	
Rural	214	2	216
Intermediate	36	12	48
Urban	2	6	8
Total	252	20	272
2001	Less than 150	More than 150	Total
Rural	219	2	221
Intermediate	33	11	44
Urban	2	5	7
Total	254	18	272
1991	Less than 150	More than 150	Total
Rural	214	0	214
Intermediate	38	6	44
Urban	2	5	7
Total	254	11	265
1981	Less than 150	More than 150	Total
Rural	213	0	213
Intermediate	39	6	45
Urban	1	5	6
Total	253	11	264

Source: Own calculations.

**Table A 4.27 Differences among areas in some demographic variables**

	Percentage of occupied people by sector			Percentage of population by age groups				Male index	Total	Percentage of women in the occupied people in every sector			Percentage of population by level of education			
	2001	Agriculture	Industry	Services	<15	15 to 39	40 to 64			> 65	Agriculture	Industry	Services	Primary	Secondary	Higher
Rural	17.2	38.6	44.2	9.7	31.4	31.2	27.7	116.2	32.1	14.0	16.1	52.3	69.8	19.0	11.2	
Intermediate	8.9	45.9	45.1	14.0	37.8	29.6	18.6	102.6	36.3	17.7	23.6	52.3	71.2	18.4	10.4	
Urban	2.0	36.5	61.5	15.7	39.6	30.6	13.9	96.7	40.2	24.1	17.7	54.1	56.5	24.9	18.6	
Total	5.4	38.3	56.3	13.7	37.7	30.5	18.1	99.1	38.8	18.2	20.0	53.5	61.5	22.0	16.5	
	1991	Agriculture	Industry	Services	<15	15 to 39	40 to 64	> 65	Male index	Total	Agriculture	Industry	Services	Primary	Secondary	Higher
Rural	26.5	38.7	34.8	11.9	34.9	30.0	23.2	113.4	24.1	8.2	13.3	48.2	80.2	13.2	6.6	
Intermediate	15.3	49.4	35.3	17.4	37.7	28.2	16.6	100.7	26.3	9.6	20.4	43.0	82.5	12.1	5.4	
Urban	2.6	45.9	51.5	20.0	40.5	28.0	11.5	97.0	30.3	13.8	14.8	45.2	73.5	17.9	8.6	
Total	8.9	43.9	47.2	17.4	38.6	28.7	15.4	98.5	29.8	9.7	16.6	46.0	74.6	16.0	9.4	
	1981	Agriculture	Industry	Services	<15	15 to 39	40 to 64	> 65	Male index	Total	Agriculture	Industry	Services	Primary	Secondary	Higher
Rural	33.6	35.8	30.9	16.6	34.2	31.0	18.2	113.0	19.4	3.9	13.4	44.8	89.4	5.8	4.8	
Intermediate	26.7	44.3	29.0	22.5	35.9	28.8	12.8	102.9	18.5	2.6	19.3	34.2	90.6	5.3	4.1	
Urban	2.5	48.5	49.0	29.7	39.4	22.8	8.1	99.8	25.0	4.5	13.4	37.7	82.5	10.1	7.5	
Total	13.8	43.2	43.0	24.0	36.8	27.2	12.0	99.1	23.1	2.6	14.5	38.3	84.5	8.4	7.1	

Source: Own calculations based on Instituto de Estadística de Navarra

**Table A 4.28 Evolution in the number of rural tourist establishment**

Type	1990		1996		2000		2006	
	Units	N. of places	Units	N. of places	Units	N. of places	Units	N. of places
Rooms	35	225	147	1,031	155	1,124	151	1,077
Houses	0	0	154	928	260	1,578	435	1,903
Total	35	225	301	1,959	415	2,702	586	2,980

Source: Echamendi (2002) and Instituto de Estadística de Navarra

**Table A 4.29 Evolution of the main figures relative to rural tourism (2001-2006)**

Type	1990		1996		2000		2006	
	Units	N. of places	Units	N. of places	Units	N. of places	Units	N. of places
Rooms	35	225	147	1,031	155	1,124	151	1,077
Houses	0	0	154	928	260	1,578	435	1,903
<b>Total</b>	<b>35</b>	<b>225</b>	<b>301</b>	<b>1,959</b>	<b>415</b>	<b>2,702</b>	<b>586</b>	<b>2,980</b>

Source: Echamendi (2002) and Instituto de Estadística de Navarra

Table A 4.30 Evolution of the main figures relative to rural tourism (2001-2006)

Year	<i>I Noroccidental</i>			<i>II Pirineos</i>			<i>III Cuenca de Pamplona</i>			Other			Total number of tourists (1)
	% of houses	% of places	% of tourists	% of houses	% of places	% of tourists	% of houses	% of places	% of tourists	% of houses	% of places	% of tourists	
2001	49.7	50.2	49.30	35.1	33.3	34.70	5.50	6.76	8.49	9.75	9.66	7.51	61,927
2002	50.6	49.8	52.78	34.6	34.0	30.71	7.11	8.81	12.96	7.72	7.34	3.54	70,608
2003	49.0	49.0	47.19	34.1	31.9	33.39	8.18	9.87	11.16	8.76	9.23	8.26	75,122
2004	49.6	49.5	49.93	31.6	30.2	33.40	7.53	8.88	9.74	11.24	11.37	6.94	66,752
2005	47.8	47.4	46.68	31.4	29.9	29.22	7.38	8.80	8.32	13.42	13.87	15.78	73,048
2006	44.5	44.1	42.96	32.5	31.0	31.18	6.99	8.27	11.62	16.07	16.62	14.23	83,538

(1) These figures only take into account the visiting people in the rural houses. Source:

Own calculations based on Instituto de Estadística de Navarra

Table A 4.31 Differences among counties in some demographic variables, 2001

	Percentage of occupied people by sector			Percentage of population by age groups				Male index	Percentage of women in the occupied people in every sector				Percentage of population by level of studies		
	Agriculture	Industry	Services	<15	15 to 39	40 to 64	> 65		Total	Agriculture	Industry	Services	Primary	Secondary	Higher
<i>I Noroccidental</i>	8.5	45.4	46.1	13.0	36.0	31.4	19.6	108.6	34.2	25.9	17.0	52.7	66.8	23.1	10.1
<i>II Pirineos</i>	12.7	37.2	50.1	10.2	32.1	31.7	25.9	112.8	35.0	9.8	19.1	53.2	65.3	22.7	12.1
<i>III Cuenca de Pamplona</i>	1.5	33.5	65.0	14.6	39.6	30.8	15.0	94.7	41.7	25.9	17.5	54.5	52.4	25.5	22.1
<i>IV Tierra Estella</i>	9.4	42.7	47.9	11.4	33.1	31.6	23.8	103.7	34.1	13.3	17.6	53.0	69.2	18.5	12.3
<i>V Navarra Media</i>	9.1	43.5	47.4	12.8	34.0	30.2	22.9	104.2	34.5	14.9	18.0	53.5	69.7	18.9	11.5
<i>VI Ribera Alta-Aragón</i>	13.4	47.3	39.3	13.0	35.9	28.7	22.4	101.7	36.6	13.6	31.4	50.7	77.8	13.9	8.4
<i>VII Ribera Baja</i>	8.8	42.5	48.6	13.3	37.7	29.4	19.6	101.3	36.0	18.9	22.7	50.7	72.2	17.1	10.6
Total	5.4	38.3	56.3	13.7	37.7	30.5	18.1	99.1	38.8	18.2	20.0	53.5	61.5	22.0	16.5

Source: Own calculations based on Instituto de Estadística de Navarra

**Table A 4.32 Total expenses in rural development in Navarre (€millions)**

Measure	Programming period	
	94-99	00-06
Income aids	9.9	26.7
Compensatory payments	9.9	26.7
Improvement of the structures	120.9	214.4
a. Improvement of the productive infrastructures	22.4	94.4
a.1. Infrastructures	19.8	52.2
a.2. Irrigation	2.6	42.2
a.3. Technical services to support the agricultural holdings	0.0	0.0
b. Improvement of agricultural structures	48.1	66.4
b.1. Modernization of agricultural holdings	35.6	34.4
b.2. Setting up of young farmers	12.5	18.0
b.3. Early retirement	0.0	14.0
c. Improvement of the commercialization and transformation structures	50.4	53.6
c.1. Promotion of the associations	9.7	2.5
c.2. Promotion of the quality of agricultural products	0.0	0.0
c.3. Support to investment in the improvement of commercialisation of agricultural products	40.7	51.1
Environmental improvements	33.9	82.6
a. Agri-environmental measures	0.0	18.0
b. Forestry and environmental protection	33.9	39.4
c. Farmland afforestation	0.0	25.2
Economic diversification of rural areas	34.1	22.7
a. Technical support	9.5	3.2
b. Rural tourism measures for craftsman	4.0	2.5
c. Small rural business	2.9	1.6
d. Rural and cultural heritage	16.8	3.7
e. Other lines of actuation	0.8	11.7
Training	1.9	0.9
a. Agricultural training	1.0	0.0
b. Training on diversification	0.9	0.9
<b>TOTAL</b>	<b>200.7</b>	<b>347.3</b>

Source: MAPA (2006)

Map 4.A1 Map of Navarre with the corresponding counties (comarcas)

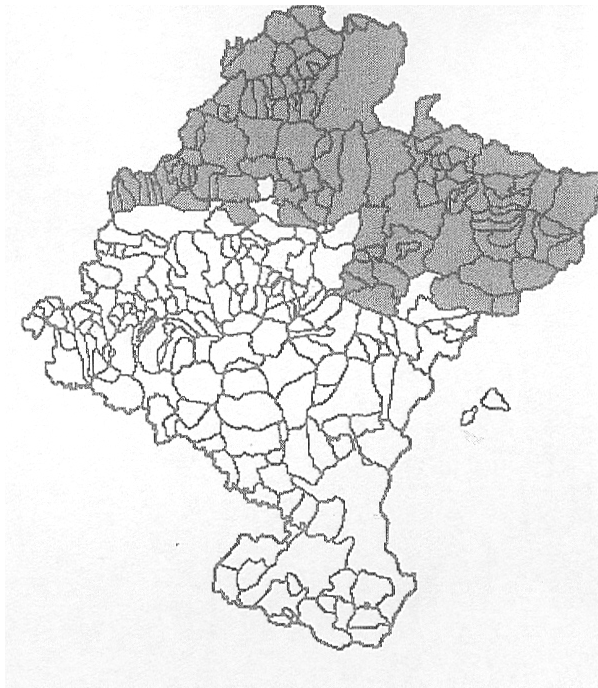


Nº de Comarcas: 7

Nº de Municipios: 272

Source: Gobierno de Navarra (2005)

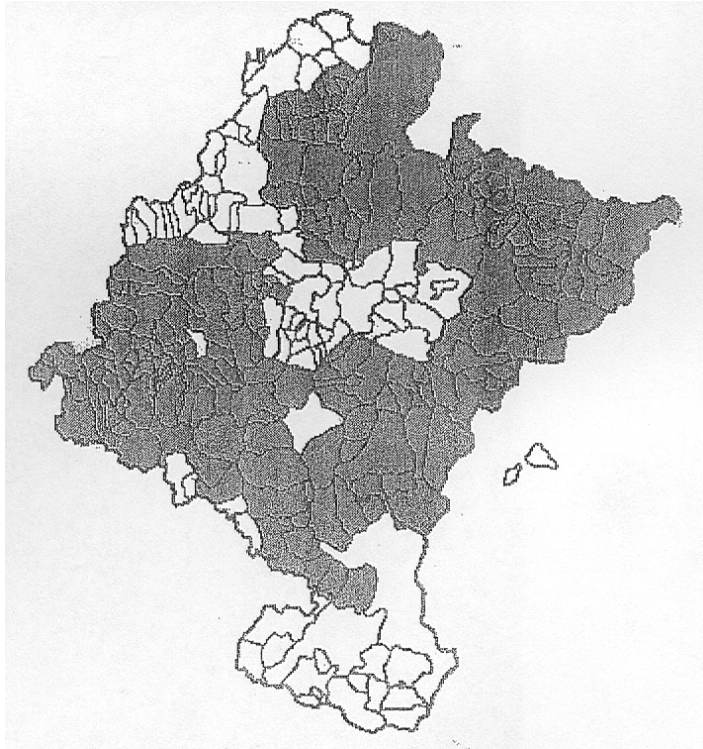
Map 4.A2 Area Objective 5b in Navarre (1989-1993)



Source: Santafé (1995).

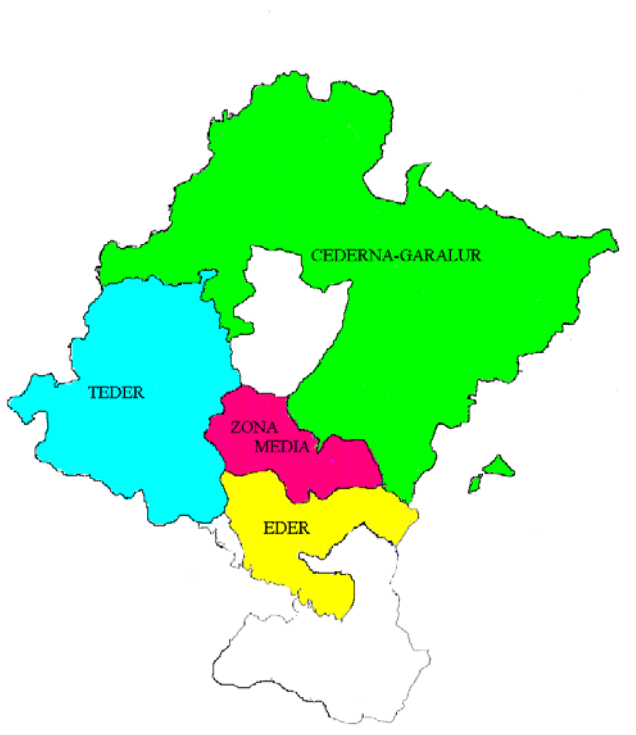


Map 4.A3 Area Objective 5b in Navarre (1994-1999)



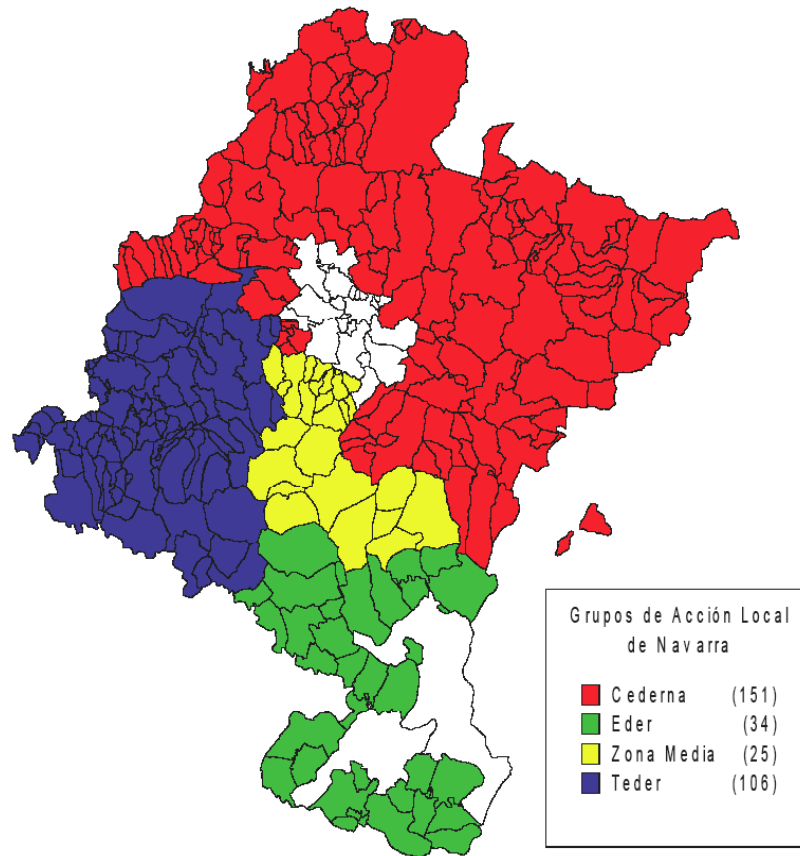
Source: Santafé (1995).

Map 4.A4 Area covered by the LAG (1994-1999)



Source: UPNA (2001).

Map 4.A5 Area covered by the LAG (2000-2006)



Source: Gobierno de Navarra (2007b)

## APPENDIX 5

Table A 5.1 Surveyed stakeholders (by alphabetical order)

<p>Amaia Arandia Lecturer in Business Administration Public University of Navarre Navarre</p>
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<p>Yolanda Marco Manager of EDER (Consortio para las Estrategias de Desarrollo de la Ribera) Local Action Group of Navarre Navarre</p>

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Manuel Rapún Professor in Applied Economics Public University of Navarre Navarre
Pilar Santamaría Head of Area of Statistical production, farm management and sectoral analysis IKT Consulting Alaba
Javier Sanz Manager Director Instituto Técnico de Gestión Agrícola (ITGA) Navarre
Luis R. Velázquez Head of Project Promotion Section of Rural Development TRAGSATEC Madrid
Cristina Roa Manager of TEDER (Centro de Desarrollo Rural de Tierra Estella) Local Action Group of Navarre Navarre