

## Annex 3. Other detailed methodological descriptions for individual source or sink categories, including for KP-LULUCF activities

### A.3.1. Energy

In this chapter an additional information regarding CRF source category 1.AD Feedstocks and non-energy use is presented. Under this category carbon stored in products is reported.

The following fuels are reported under CRF source category 1.AD Feedstocks and non-energy use of fuels:

1.AD.2 Lubricants

1.AD.3 Bitumen

1.AD.5 Natural Gas

1.AD.10 Other/Oil Shale

Activity data on lubricants and bitumen consumption is received from IEA statistics; the national statistics does not publish this data. Data on natural gas use for non-energy use are taken from national energy balance sheet. Activity data on oil shale reported in the CRF 1.AD.10 is calculated (see Annex 2). This is oil shale semi coke – the by product of shale oil production and contains a small amount of organic matter (carbon). Oil shale semi-coke is stored in the oil shale waste dumps (carbon stored).

In the Table A.3.1\_1 carbon stored in products is presented.

**Table A.3.1\_1.** Carbon stored in products

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Lubricants</b>																					
Fuel consumption, TJ	1 139	1 097	717	549	717	464	506	380	422	295	338	295	253	295	253	169	169	295	211	160	125
CEF, tC/TJ	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Carbon, Gg	22.79	21.94	14.35	10.97	14.35	9.28	10.13	7.60	8.44	5.91	6.75	5.91	5.06	5.91	5.06	3.38	3.38	5.91	4.22	3.21	2.50
Fraction of carbon stored	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Carbon stored, Gg	11.39	10.97	7.17	5.49	7.17	4.64	5.06	3.80	4.22	2.95	3.38	2.95	2.53	2.95	2.53	1.69	1.69	2.95	2.11	1.60	1.25
<b>Bitumen</b>																					
Fuel consumption, TJ	2 105	1 794	936	1 209	1 326	819	1 092	1 014	1 248	1 248	1 326	1 092	2 651	1 170	1 716	1 599	2 105	1 365	1 507	1 323	1 366
CEF, tC/TJ	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
Carbon, Gg	46.32	39.46	20.59	26.59	29.16	18.01	24.02	22.30	27.45	27.45	29.16	24.02	58.33	25.73	37.74	35.17	46.32	30.02	33.15	29.10	30.06
Fraction of carbon stored	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Carbon stored, Gg	46.32	39.46	20.59	26.59	29.16	18.01	24.02	22.30	27.45	27.45	29.16	24.02	58.33	25.73	37.74	35.17	46.32	30.02	33.15	29.10	30.06
<b>Natural Gas</b>																					
Fuel consumption, TJ	7 657	7 361	3 665	1 440	4 736	4 978	4 930	4 859	4 899	4 687	4 166	4 459	1 148	2 400	4 533	4 932	4 919	4 722	4 872	538	NO
CEF, tC/TJ	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	NA
Carbon, Gg	115.39	110.93	55.23	21.70	71.37	75.02	74.30	73.23	73.83	70.63	62.78	67.20	17.30	36.17	68.31	74.33	74.13	71.16	73.42	8.11	NA
Fraction of carbon stored	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	NA
Carbon stored, Gg	115.39	110.93	55.23	21.70	71.37	75.02	74.30	73.23	73.83	70.63	62.78	67.20	17.30	36.17	68.31	74.33	74.13	71.16	73.42	8.11	NA
<b>Oil Shale</b>																					
Fuel consumption, TJ	3 731	3 393	3 279	3 607	3 596	3 574	3 789	3 788	2 491	1 526	2 689	2 961	3 108	3 251	3 386	3 444	3 712	3 872	3 854	3 991	4 149
Carbon, Gg	177.89	156.23	142.31	172.08	111.96	165.51	155.38	166.27	131.53	64.43	119.97	157.76	132.21	134.17	127.58	131.50	117.51	110.66	104.85	104.09	125.37
Fraction of carbon stored	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Carbon stored, Gg	177.89	156.23	142.31	172.08	111.96	165.51	155.38	166.27	131.53	64.43	119.97	157.76	132.21	134.17	127.58	131.50	117.51	110.66	104.85	104.09	125.37

**Table A.3.1\_2. Emission factors for LTO-cycle (kg/LTO)**

	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	NO <sub>x</sub>	CO	NM VOC	SO <sub>2</sub>
<b>Turbofans (Jets)*</b>							
Airbus A310	4853	0.5	0.2	23.2	25.8	5	1.5
Airbus A320	2527	0.2	0.1	10.8	17.6	1.7	0.8
Bae 111	2147	2.1	0.1	4.9	37.7	19.3	0.7
Bae 146	1794	0.1	0.1	4.2	9.7	0.9	0.6
B727	4450	0.7	0.1	12.6	26.4	6.5	1.4
B737-100	2897	0.1	0.1	8	4.8	0.5	0.9
B737-400	2600	0.1	0.1	8.3	11.8	0.6	0.8
B747-100-300	10754	3.7	0.3	55.9	78.2	33.6	3.4
B747-400	10717	0.2	0.3	56.6	19.5	1.6	3.4
B757	3947	0.1	0.1	19.7	12.5	1.1	1.3
B767-300	5094	0.1	0.2	26	6.1	0.8	1.6
B777	8073	2.3	0.3	53.6	61.4	20.5	2.6
Fokker 100	2345	0.1	0.1	5.8	13.7	1.3	0.7
Fokker 28	2098	3.3	0.1	5.2	32.7	29.6	0.7
2XB737-100	5794	0.2	0.2	16	9.6	1	1.8
McDonnell Douglas DC-9	2760	0.1	0.1	7.3	5.4	0.7	0.9
McDonnell Douglas DC-10	7501	2.3	0.2	41.7	61.6	20.5	2.4
McDonnell Douglas	3160	0.2	0.1	12.3	6.5	1.4	1
C525	1070	0.33	0.03	0.74	34.07	3.01	0.34
EC RJ 100ER	1060	0.06	0.03	2.27	6.7	0.56	0.33
ERJ-145	990	0.06	0.03	2.69	6.18	0.5	0.31
GLF4	2160	0.14	0.1	5.63	8.88	1.23	0.68
GLF5	1890	0.03	0.1	5.58	8.42	0.28	0.6
RJ85	1910	0.13	0.1	4.34	11.21	1.21	0.6
<b>Turboprop**</b>							
turboprop, <1000sph/engine	230	0.06	0.01	0.3	2.97	0.58	0.07
turboprop, 1000-2000 sph/engine	640	0	0.02	1.51	2.24	0	0.2
turboprop, >2000sph/engine	620	0.03	0.02	1.82	2.33	0.26	0.2
<b>Piston engine***</b>							
microlight aircraft	4.41	0.00	0.00	0.03	0.94	0.04	0.00
4 seat single engine (<180hp)	12.29	0.01	0.00	0.01	3.93	0.06	0.00
single engine high performance (180-360hp)	23.63	0.02	0.00	0.02	7.33	0.16	0.00
twin engine high performance (2x235hp)	68.04	0.02	0.00	0.05	19.33	0.22	0.01
<b>Helicopters****</b>							
A109	103.32	0.10	0.00	0.13	1.31	0.89	0.02
A139	189.95	0.08	0.01	0.38	0.97	0.68	0.03
ALO3	67.47	0.03	0.00	0.11	0.40	0.28	0.01
AS32	243.81	0.05	0.01	0.65	0.68	0.49	0.04
AS35	86.63	0.02	0.00	0.18	0.32	0.22	0.01
AS50	79.38	0.03	0.00	0.15	0.35	0.24	0.01
AS55	109.62	0.09	0.00	0.15	1.20	0.82	0.02
H269	20.79	0.01	0.00	0.01	6.59	0.09	0.00
B412	242.55	0.05	0.01	0.64	0.69	0.49	0.04
B06	57.33	0.04	0.00	0.08	0.50	0.35	0.01
EC35	129.47	0.08	0.00	0.21	1.03	0.71	0.02
EN48	58.59	0.04	0.00	0.08	0.48	0.34	0.01
MI8	220.50	0.06	0.01	0.53	0.78	0.55	0.04
R22	19.53	0.01	0.00	0.01	6.21	0.09	0.00
R44	27.72	0.01	0.00	0.02	8.79	0.11	0.00
S76	151.83	0.07	0.00	0.29	0.85	0.59	0.02

**\*Turbofans (Jet engine)** – The original data source for the Large Commercial Aircraft group LTO emissions factors is the EMEP/EEA guidebook (EMEP/EEA air pollutant emission inventory guidebook — 2009, [www.eea.europa.eu/emep-eea-guidebook](http://www.eea.europa.eu/emep-eea-guidebook)), the ICAO Engine Exhaust Emissions Data Bank (<http://www.dera.gov.uk>) and IPCC Guidelines (2006 IPCC Guidelines for National Greenhouse Gas Inventories).

**\*\*Turboprops (Turbojet engine, driving a propeller)** - This group is represented by three typical aircraft size based on engine shaft horsepower (2006 IPCC Guidelines for National Greenhouse Gas Inventories).

**\*\*\*Piston engine aircraft** – This group is represented by four typical aircraft size based on engine horsepower by “Aircraft Piston Engine Emissions Summary Report” (Federal Office of Civil Aviation FOCA) in Estonia's report.

**\*\*\*\*Helicopters** – Emission factor of helicopters used are taken from “Guidance on the Determination of Helicopter Emissions” (Federal Office of Civil Aviation FOCA).

### A.3.2. Industrial Processes

**Table A.3.2\_1.** CO<sub>2</sub> emissions from ammonia production (Gg), Tier 1a

Year	Amount of Gas Consumed (m <sup>3</sup> )	Carbon Content of Gas (kg/m <sup>3</sup> )	Conversion Ratio	CO <sub>2</sub> Emitted (kg)	CO <sub>2</sub> Emitted (Gg)
	A	B	C	D	E
			44/12	D = (A x B x C)	E = D/1 000 000
1990	225 200 000	0.5087	44/12	420 050 547	420.051
1991	208 000 000	0.5123	44/12	390 714 133	390.714
1992	107 800 000	0.5067	44/12	200 277 667	200.278
1993	42 350 000	0.5079	44/12	78 868 405	78.868
1994	139 300 000	0.5076	44/12	259 265 160	259.265
1995	146 400 000	0.5216	44/12	279 968 040	279.968
1996	145 000 000	0.5060	44/12	269 012 700	269.013
1997	142 900 000	0.5039	44/12	264 026 803	264.027
1998	144 100 000	0.5050	44/12	266 825 167	266.825
1999	139 400 000	0.5046	44/12	257 917 880	257.918
2000	123 900 000	0.5092	44/12	231 329 560	231.330
2001	133 400 000	0.5080	44/12	248 479 733	248.480
2002	33 900 000	0.5111	44/12	63 529 730	63.530
2003	73 600 000	0.5061	44/12	136 579 520	136.580
2004	134 944 000	0.5067	44/12	250 712 458	250.712
2005	146 500 000	0.5066	44/12	272 128 633	272.129
2006	146 190 000	0.5067	44/12	271 606 401	271.606
2007	140 220 584	0.5058	44/12	260 053 095	260.053
2008	145 843 188	0.5062	44/12	270 694 680	270.695
2009	16 001 022	0.5055	44/12	29 657 894	29.658
2010	NO	NA	NA	NO	NO

### A.3.3. Agriculture

#### APPENDIX A.3.3\_I. LIVESTOCK POPULATION IN ESTONIA IN 1990–2009

**Table A.3.3\_I.1.** Cattle population size in 1990–1998 in Estonia, 1000 heads

Year	Cattle, total	Dairy Cattle	Non-dairy cattle			
			Mature males	Mature females	Bovine animals (aged between 1 and 2 years)	Calves (less than 1 year old)
1990	757.8	280.7	4.2	47.0	172.1	251.9
1991	706.2	264.3	4.1	46.7	171.1	220.0
1992	614.6	253.4	3.4	38.1	139.4	178.8
1993	463.2	226.7	2.2	25.0	91.7	116.9
1994	419.5	211.4	1.9	21.3	77.9	105.8
1995	370.4	185.4	1.6	18.4	67.3	97.0
1996	343	171.6	1.5	17.2	63.0	89.1
1997	325.6	167.7	1.4	16.2	59.3	80.4
1998	307.5	158.6	1.3	14.9	54.7	77.1

**Table A3.3\_I.2.** Swine population size in 1990–1998 in Estonia, 1000 heads

Year	Swine, total	...of which					
		Piglets, live weight less than 20 kg	Young pigs, live weight 20–50 kg	Pigs, live weight 50–80 kg	Pigs, live weight 80–110 kg	Pigs, live weight more than 110 kg	Breeding pigs, live weight more than 50 kg
1990	859.9	279.6	237.5	185.0	103.2	7.6	47.1
1991	798.6	260.1	221.3	172.3	96.1	7.0	41.5
1992	541.1	176.6	150.0	116.8	65.2	4.8	27.7
1993	424.3	137.2	116.6	90.8	50.6	3.7	25.3
1994	459.8	149.0	126.6	157.6	55.0	4.0	26.6
1995	448.8	146.3	124.3	96.8	54.0	4.0	23.4
1996	298.4	96.6	82.1	63.9	35.6	2.6	17.6
1997	306.3	98.0	83.3	64.9	36.2	2.6	21.3
1998	326.4	104.5	88.8	69.1	38.6	2.8	22.6

**Table A.3.3\_I.3.** Total dairy-cattle population size in 1994–1998 by counties of Estonia, 1000 heads  
(Agriculture 1994)

County	1994	1995	1996	1997	1998
Total	211.4	185.4	171.6	167.7	158.6
Harju	17.6	13.7	10.6	10.7	9.9
Hiiu	2.3	2.1	1.8	1.7	1.6
Ida-Viru	6.9	5.9	5.4	5	4.6
Jõgeva	17.7	15.7	15.5	14.9	13.9
Järva	22.1	20.6	20.7	20.7	20.9
Lääne	8.8	8	7.3	7.1	6.9
Lääne- Viru	20.8	18.5	17.1	16.5	16.5
Põlva	11.9	11.1	10.7	10.3	9.6
Pärnu	22.1	19.9	18.7	18.4	16.8
Rapla	14.6	12	12	12.6	11.4
Saare	13.9	11.1	10.6	10.2	9.8
Tartu	13.8	13	11.1	10.6	10.1
Valga	8.5	7.9	7.4	6.7	6.2
Viljandi	19.7	16	13.8	13.4	12.4
Võru	10.7	9.9	8.9	8.9	8

**Table A.3.3\_I.4. Number of cattle in 1999 by counties of Estonia, 1000 heads (Agriculture 1999)**

	Total	of which										bovine animals (aged between 1 and 2 years)						calves (less than 1 year old)				
		cows, bulls and heifers (2 years and over)					heifers					bulls		heifers		total	for slaughter	for breeding	for heifers	bulls		
		cows		other			bulls		heifers			total		for slaughter							for breeding	
		dairy cows																				
COUNTRY TOTAL	267.3	138.4	0.5	1.6	14.0	0.5	13.5	8.3	40.2	1.8	38.4	64.3	10.8	42.9	10.6							
1999	18.7	10.4	...	0.1	0.9	...	...	0.7	2.5	...	...	4.1	...	...	...							
Harju	2.6	1.2	...	0.0	0.2	...	...	0.1	0.4	...	...	0.7	...	...	...							
Hiiu	7.7	4.0	...	0.0	0.3	...	...	0.3	1.2	...	...	1.9	...	...	...							
Ida-Viru	23.6	12.0	...	0.3	1.0	...	...	0.5	3.8	...	...	6.0	...	...	...							
Jõgeva	38.4	19.9	...	0.1	2.1	...	...	0.7	6.2	...	...	9.4	...	...	...							
Järva	11.3	5.3	...	0.1	0.7	...	...	0.8	1.5	...	...	2.8	...	...	...							
Lääne	30.5	14.5	...	0.1	2.0	...	...	1.3	4.7	...	...	7.8	...	...	...							
Lääne-Viru	13.7	7.2	...	0.1	0.8	...	...	0.3	2.2	...	...	3.1	...	...	...							
Põlva	26.9	14.7	...	0.2	1.6	...	...	0.5	3.9	...	...	6.0	...	...	...							
Pärnu	18.6	10.2	...	0.1	0.7	...	...	0.5	2.8	...	...	4.2	...	...	...							
Rapla	15.8	8.1	...	0.1	0.8	...	...	0.5	2.3	...	...	4.0	...	...	...							
Saare	16.6	8.5	...	0.1	0.7	...	...	0.6	2.6	...	...	4.0	...	...	...							
Tartu	9.9	4.8	...	0.1	0.5	...	...	0.4	1.6	...	...	2.5	...	...	...							
Valga	21.3	11.0	...	0.1	1.1	...	...	0.8	3.0	...	...	5.3	...	...	...							
Viljandi	11.7	6.6	...	0.1	0.6	...	...	0.3	1.5	...	...	2.5	...	...	...							
Võru																						
ENTERPRISES																						
1999	167.1	82.1	0.4	0.7	11.7	0.3	11.4	4.3	28.1	1.0	27.1	39.8	7.7	27.8	4.3							
Harju	13.0	6.3	0.0	0.1	0.8	0.0	0.8	0.6	2.1	0.2	1.9	3.1	0.8	1.7	0.6							
Hiiu	0.8	0.3	0.0	0.0	0.1	0.0	0.1	0.0	0.2	-	0.2	0.2	0.0	0.1	0.1							
Ida-Viru	3.4	1.6	0.0	0.0	0.2	0.0	0.2	0.1	0.7	0.1	0.6	0.8	0.2	0.5	0.1							
Jõgeva	18.1	8.9	0.0	0.3	0.9	0.2	0.7	0.2	3.2	0.2	3.0	4.6	1.0	3.1	0.5							
Järva	30.4	15.4	0.0	0.0	1.9	0.0	1.9	0.4	5.2	0.1	5.1	7.5	1.2	5.7	0.6							
Lääne	5.8	2.1	0.1	0.1	0.6	0.0	0.6	0.6	0.8	0.0	0.8	1.5	0.6	0.8	0.1							
Lääne-Viru	22.9	10.7	0.1	0.0	1.8	0.1	1.7	1.0	3.7	0.0	3.7	5.6	0.9	3.7	1.0							
Põlva	8.2	4.2	0.0	0.0	0.7	0.0	0.7	0.1	1.5	0.0	1.5	1.7	0.1	1.4	0.2							
Pärnu	17.7	9.2	0.0	0.2	1.4	0.0	1.4	0.1	2.8	0.1	2.7	4.0	0.8	3.0	0.2							
Rapla	9.6	4.9	0.0	0.0	0.5	0.0	0.5	0.2	1.8	0.0	1.8	2.2	0.3	1.7	0.2							
Saare	7.6	3.8	0.0	0.0	0.6	0.0	0.6	0.1	1.3	0.1	1.2	1.8	0.3	1.4	0.1							
Tartu	10.1	4.8	0.1	0.0	0.6	0.0	0.6	0.4	1.8	0.1	1.7	2.4	0.6	1.5	0.3							
Valga	4.3	2.2	0.0	0.0	0.4	0.0	0.4	0.1	0.7	0.0	0.7	0.9	0.2	0.6	0.1							
Viljandi	10.2	4.8	0.0	0.0	0.8	0.0	0.8	0.4	1.6	0.1	1.5	2.6	0.6	1.8	0.2							
Võru	5.0	2.9	0.1	0.0	0.4	0.0	0.4	0.0	0.7	0.0	0.7	0.9	0.1	0.8	0.0							
PRIVATE FARMS																						
1999	55.9	30.0	0.1	0.5	1.3	0.1	1.2	2.4	7.2	0.5	6.7	14.4	1.8	8.9	3.7							

	Total	of which										calves (less than 1 year old)			
		cows, bulls and heifers (2 years and over)					bovine animals (aged between 1 and 2 years)					total	for slaughter	for breeding	
		cows	heifers					heifers							
Harju	3.5	2.5	...	0.0	0.0	0.0	...	0.1	0.3	...	...	0.6	...	...	...
Hiiu	1.1	0.5	...	0.0	0.1	0.1	...	0.1	0.1	...	...	0.3	...	...	...
Ida-Viru	2.1	0.9	...	0.0	0.1	0.3	...	0.1	0.3	...	...	0.7	...	...	...
Jõgeva	2.9	1.6	...	0.0	0.1	0.3	...	0.2	0.3	...	...	0.7	...	...	...
Järva	6.1	3.5	...	0.1	0.1	0.8	...	0.2	0.8	...	...	1.4	...	...	...
Lääne	1.7	1.1	...	0.0	0.0	0.2	...	0.0	0.2	...	...	0.4	...	...	...
Lääne-Viru	4.9	2.1	...	0.1	0.1	0.8	...	0.3	0.8	...	...	1.5	...	...	...
Põlva	3.6	1.8	...	0.1	0.1	0.5	...	0.1	0.5	...	...	1.0	...	...	...
Pärnu	4.1	2.2	...	0.0	0.0	0.6	...	0.2	0.6	...	...	1.1	...	...	...
Rapla	4.9	2.7	...	0.1	0.1	0.5	...	0.2	0.5	...	...	1.2	...	...	...
Saare	3.5	1.7	...	0.0	0.1	0.5	...	0.2	0.5	...	...	1.0	...	...	...
Tartu	3.4	1.9	...	0.0	0.1	0.4	...	0.1	0.4	...	...	0.9	...	...	...
Valga	3.6	1.5	...	0.1	0.1	0.5	...	0.2	0.5	...	...	1.2	...	...	...
Viljandi	7.1	4.2	...	0.0	0.2	0.9	...	0.2	0.9	...	...	1.6	...	...	...
Võru	3.4	1.8	...	0.0	0.1	0.5	...	0.2	0.5	...	...	0.8	...	...	...
<b>HOUSEHOLD PLOTS 1999</b>	<b>44.3</b>	<b>26.3</b>	<b>0.0</b>	<b>0.4</b>	<b>1.0</b>	<b>0.1</b>	<b>0.9</b>	<b>1.6</b>	<b>4.9</b>	<b>0.3</b>	<b>4.6</b>	<b>10.1</b>	<b>1.3</b>	<b>6.2</b>	<b>2.6</b>
Harju	2.2	1.6	...	0.0	0.1	0.1	...	0.0	0.1	...	...	0.4	...	...	...
Hiiu	0.7	0.4	...	0.0	0.0	0.1	...	0.0	0.1	...	...	0.2	...	...	...
Ida-Viru	2.2	1.5	...	0.0	0.0	0.2	...	0.1	0.2	...	...	0.4	...	...	...
Jõgeva	2.6	1.5	...	0.0	0.0	0.3	...	0.1	0.3	...	...	0.7	...	...	...
Järva	1.9	1.0	...	0.0	0.1	0.2	...	0.1	0.2	...	...	0.5	...	...	...
Lääne	3.8	2.1	...	0.0	0.1	0.5	...	0.2	0.5	...	...	0.9	...	...	...
Lääne-Viru	2.7	1.7	...	0.0	0.1	0.7	...	0.0	0.2	...	...	0.7	...	...	...
Põlva	1.9	1.2	...	0.0	0.0	0.2	...	0.1	0.2	...	...	0.4	...	...	...
Pärnu	5.1	3.3	...	0.0	0.2	0.5	...	0.2	0.5	...	...	0.9	...	...	...
Rapla	4.1	2.6	...	0.0	0.1	0.5	...	0.1	0.5	...	...	0.8	...	...	...
Saare	4.7	2.6	...	0.1	0.1	0.4	...	0.2	0.5	...	...	1.2	...	...	...
Tartu	3.1	1.8	...	0.1	0.0	0.4	...	0.1	0.4	...	...	0.7	...	...	...
Valga	2.0	1.1	...	0.0	0.0	0.4	...	0.1	0.4	...	...	0.4	...	...	...
Viljandi	4.0	2.0	...	0.1	0.1	0.5	...	0.2	0.5	...	...	1.1	...	...	...
Võru	3.3	1.9	...	0.1	0.1	0.3	...	0.1	0.3	...	...	0.8	...	...	...



**Table A.3.3\_I.5.** Swine population size in 1999 by counties of Estonia, 1000 heads (Agriculture 1999)

	Total	of which			fattening pigs				boars		breeding pigs, live weight more than 50 kg				
		piglets, live weight less than 20 kg	young pigs, live weight 20–50 kg	total	of which, live weight			total	covered sows	of which covered for the first time	other sows	of which gilts not yet covered			
					50–80 kg	80–110 kg	more than 110 kg								
COUNTRY TOTAL	285.7	75.2	77.9	98.8	66.0	29.0	3.8	1.6	32.2	18.5	6.1	13.7	6.2		
1999	18.3	3.7	5.8	6.4	...	...	...	...	2.3	...	...	...	...		
Harju	0.4	0.1	0.1	0.2	...	...	...	...	0.0	...	...	...	...		
Hiiu	7.4	2.1	2.5	2.1	...	...	...	...	0.6	...	...	...	...		
Ida-Viru	20.5	4.7	6.6	6.7	...	...	...	...	2.3	...	...	...	...		
Jõgeva	29.2	6.8	7.1	11.8	...	...	...	...	3.3	...	...	...	...		
Järva	9.2	1.6	2.4	4.2	...	...	...	...	1.0	...	...	...	...		
Lääne	32.9	7.1	8.1	14.3	...	...	...	...	3.2	...	...	...	...		
Lääne-Viru	11.2	2.6	2.9	4.6	...	...	...	...	1.0	...	...	...	...		
Põlva	8.9	2.3	3.0	2.6	...	...	...	...	0.9	...	...	...	...		
Pärnu	27.4	8.1	8.2	7.7	...	...	...	...	3.3	...	...	...	...		
Rapla	14.1	4.6	3.8	3.9	...	...	...	...	1.7	...	...	...	...		
Saare	19.9	4.1	5.6	8.2	...	...	...	...	1.9	...	...	...	...		
Tartu	12.8	2.6	3.4	5.4	...	...	...	...	1.3	...	...	...	...		
Valga	68.3	23.9	16.9	18.5	...	...	...	...	8.8	...	...	...	...		
Viljandi	5.2	0.9	1.5	2.2	...	...	...	...	0.6	...	...	...	...		
Võru															
ENTERPRISES															
1999	238.3	67.1	64.8	77.0	50.5	24.0	2.5	1.1	28.3	15.5	5.3	12.8	5.9		
Harju	16.7	3.4	5.3	5.7	3.7	2.0	-	0.1	2.2	1.2	0.4	1.0	0.6		
Hiiu	-	-	-	-	-	-	-	-	-	-	-	-	-		
Ida-Viru	6.4	2.0	2.2	1.6	1.3	0.3	-	0.1	0.5	0.4	0.2	0.1	0.1		
Jõgeva	18.2	4.3	6.0	5.6	3.4	2.1	0.1	0.2	2.1	1.2	0.3	0.9	0.6		
Järva	25.1	6.1	6.0	9.9	7.6	2.3	-	0.1	3.0	1.6	0.4	1.4	0.9		
Lääne	7.9	1.4	2.0	3.6	1.6	1.0	1.0	0.0	0.9	0.7	0.3	0.2	0.1		
Lääne-Viru	26.3	6.0	6.3	11.3	7.0	4.1	0.2	0.1	2.6	1.8	0.5	0.8	0.5		
Põlva	6.6	1.8	1.6	2.5	2.4	0.0	0.1	0.1	0.6	0.4	0.0	0.2	0.1		
Pärnu	4.9	1.6	1.9	0.8	0.7	0.1	-	0.0	0.6	0.4	0.0	0.2	0.1		
Rapla	22.1	7.2	6.7	5.2	2.1	3.1	0.0	0.1	2.9	1.8	0.6	1.1	0.3		
Saare	13.2	4.4	3.6	3.5	2.6	0.9	0.0	0.1	1.6	0.5	0.3	1.1	0.3		
Tartu	16.7	3.6	4.7	6.7	4.6	2.0	0.1	0.1	1.6	1.0	0.2	0.6	0.2		
Valga	10.3	2.2	2.7	4.3	3.9	0.4	0.0	0.0	1.1	1.0	0.3	0.1	0.1		
Viljandi	62.2	22.8	15.3	15.7	9.2	5.5	1.0	0.1	8.3	3.3	1.8	5.0	1.9		
Võru	1.7	0.3	0.5	0.6	0.4	0.2	-	0.0	0.3	0.2	0.0	0.1	0.1		
PRIVATE FARMS															
1999	29.4	5.0	8.1	13.6	9.7	3.1	0.8	0.3	2.4	1.8	0.5	0.6	0.2		

	Total	of which		fattening pigs				breeding pigs, live weight more than 50 kg					
		piglets, live weight less than 20 kg	young pigs, live weight 20–50 kg	of which, live weight			boars		sows		of which covered for the first time	other sows	of which gilts not yet covered
				total	50–80 kg	80–110 kg	more than 110 kg	total	covered sows				
Harju	0.9	0.2	0.3	0.4	...	...	...	...	0.0	...	...	...	...
Hiiu	0.3	0.1	0.1	0.1	...	...	...	...	0.0	...	...	...	...
Ida-Viru	0.4	0.0	0.1	0.2	...	...	...	...	0.1	...	...	...	...
Jõgeva	1.4	0.2	0.4	0.7	...	...	...	...	0.1	...	...	...	...
Järva	3.2	0.5	0.9	1.5	...	...	...	...	0.2	...	...	...	...
Lääne	0.4	0.1	0.1	0.2	...	...	...	...	0.0	...	...	...	...
Lääne-Viru	5.3	0.9	1.4	2.4	...	...	...	...	0.5	...	...	...	...
Põlva	3.5	0.6	1.0	1.6	...	...	...	...	0.3	...	...	...	...
Pämu	1.5	0.3	0.4	0.7	...	...	...	...	0.1	...	...	...	...
Rapla	3.6	0.6	1.0	1.7	...	...	...	...	0.3	...	...	...	...
Saare	0.5	0.1	0.1	0.2	...	...	...	...	0.1	...	...	...	...
Tartu	1.5	0.2	0.4	0.8	...	...	...	...	0.1	...	...	...	...
Valga	1.4	0.2	0.4	0.6	...	...	...	...	0.2	...	...	...	...
Viljandi	3.8	0.7	1.0	1.7	...	...	...	...	0.3	...	...	...	...
Võru	1.7	0.3	0.5	0.8	...	...	...	...	0.1	...	...	...	...
HOUSEHOLD PLOTS													
1999	18.0	3.1	5.0	8.2	5.8	1.9	0.5	0.2	1.5	0.3	0.3	0.3	0.1
Harju	0.7	0.1	0.2	0.3	...	...	...	...	0.1	...	...	...	...
Hiiu	0.1	0.0	0.0	0.1	...	...	...	...	0.0	...	...	...	...
Ida-Viru	0.6	0.1	0.2	0.3	...	...	...	...	0.0	...	...	...	...
Jõgeva	0.9	0.2	0.2	0.4	...	...	...	...	0.1	...	...	...	...
Järva	0.9	0.2	0.2	0.4	...	...	...	...	0.1	...	...	...	...
Lääne	0.9	0.1	0.3	0.4	...	...	...	...	0.1	...	...	...	...
Lääne-Viru	1.3	0.2	0.4	0.6	...	...	...	...	0.1	...	...	...	...
Põlva	1.1	0.2	0.3	0.5	...	...	...	...	0.1	...	...	...	...
Pämu	2.5	0.4	0.7	1.1	...	...	...	...	0.2	...	...	...	...
Rapla	1.7	0.3	0.5	0.8	...	...	...	...	0.1	...	...	...	...
Saare	0.4	0.1	0.1	0.2	...	...	...	...	0.0	...	...	...	...
Tartu	1.7	0.3	0.5	0.7	...	...	...	...	0.2	...	...	...	...
Valga	1.1	0.2	0.3	0.5	...	...	...	...	0.0	...	...	...	...
Viljandi	2.3	0.4	0.6	1.1	...	...	...	...	0.2	...	...	...	...
Võru	1.8	0.3	0.5	0.8	...	...	...	...	0.2	...	...	...	...

**Table A.3.3\_I.6.** Number of cattle in 2000 by counties of Estonia, 1000 heads (Agriculture 2000)

	Total	of which										calves (less than 1 year old)				
		cows, bulls and heifers (2 years and over)					bovine animals (aged between 1 and 2 years)					total		for breeding		
		cows		bulls		heifers		bulls		heifers		total	for slaughter	for breeding	heifers	bulls
		dairy cows	other	total	for slaughter	for breeding	total	for slaughter	for breeding							
COUNTRY TOTAL	252.8	131.0	0.7	1.2	14.0	0.2	13.8	9.2	35.6	1.1	34.5	61.1	10.5	39.5	11.1	
2000	17.4	9.6	...	0.0	1.0	...	...	0.6	2.4	...	...	3.7	...	...	...	
Harju	2.9	1.4	...	0.0	0.1	...	...	0.3	0.4	...	...	0.7	...	...	...	
Hiiu	6.7	3.4	...	0.0	0.5	...	...	0.3	1.1	...	...	1.4	...	...	...	
Ida-Viru	23.5	11.9	...	0.1	1.2	...	...	0.8	3.4	...	...	6.1	...	...	...	
Jõgeva	37.6	19.8	...	0.1	2.6	...	...	0.8	5.6	...	...	8.7	...	...	...	
Järva	10.2	4.4	...	0.2	0.7	...	...	1.1	1.4	...	...	2.1	...	...	...	
Lääne	28.2	12.9	...	0.1	1.6	...	...	1.6	4.5	...	...	7.4	...	...	...	
Lääne-Viru	14.0	7.8	...	0.1	0.7	...	...	0.3	1.6	...	...	3.5	...	...	...	
Põlva	25.0	13.7	...	0.3	1.5	...	...	0.3	3.3	...	...	5.9	...	...	...	
Pärnu	16.3	9.0	...	0.1	0.8	...	...	0.5	2.2	...	...	3.6	...	...	...	
Rapla	15.9	8.3	...	0.1	0.7	...	...	0.6	2.3	...	...	3.9	...	...	...	
Saare	14.9	7.7	...	0.0	0.6	...	...	0.4	2.1	...	...	4.1	...	...	...	
Tartu	9.5	4.5	...	0.0	0.7	...	...	0.5	1.3	...	...	2.5	...	...	...	
Valga	19.5	10.3	...	0.1	0.8	...	...	0.7	2.6	...	...	5.0	...	...	...	
Viljandi	11.2	6.3	...	0.0	0.5	...	...	0.4	1.4	...	...	2.5	...	...	...	
Võru																
ENTERPRISES																
2000	154.6	75.4	0.2	0.7	11.6	0.1	11.5	4.2	24.9	0.7	24.2	37.6	6.4	27.1	4.1	
Harju	11.9	5.6	0.0	0.0	0.8	0.0	0.8	0.5	2.0	0.2	1.8	3.0	0.5	1.8	0.7	
Hiiu	1.0	0.4	0.0	0.0	0.1	-	0.1	0.1	0.2	-	0.2	0.2	0.0	0.2	0.0	
Ida-Viru	3.0	1.4	0.0	0.0	0.3	0.0	0.3	0.1	0.5	0.0	0.5	0.7	0.1	0.5	0.1	
Jõgeva	18.2	8.7	0.0	0.1	1.0	0.0	1.0	0.6	2.9	0.2	2.7	4.9	1.0	3.3	0.6	
Järva	29.7	15.2	-	0.1	2.4	0.0	2.4	0.4	4.5	0.1	4.4	7.1	0.7	5.7	0.7	
Lääne	4.2	1.6	0.0	0.1	0.5	-	0.5	0.4	0.8	0.0	0.8	0.8	0.3	0.5	0.0	
Lääne-Viru	21.2	9.7	0.0	0.1	1.5	0.1	1.4	1.0	3.5	0.1	3.4	5.4	1.1	3.4	0.9	
Põlva	7.7	3.9	0.0	0.0	0.6	-	0.6	0.1	1.2	-	1.2	1.9	0.3	1.5	0.1	
Pärnu	15.5	7.9	0.0	0.1	1.5	-	1.5	0.1	2.3	0.0	2.3	3.6	0.5	2.8	0.3	
Rapla	8.8	4.4	0.1	0.1	0.6	0.0	0.6	0.1	1.6	0.1	1.5	1.9	0.2	1.6	0.1	
Saare	7.6	3.8	0.0	0.1	0.6	0.0	0.6	0.1	1.3	-	1.3	1.7	0.2	1.4	0.1	
Tartu	9.0	4.3	-	0.0	0.5	0.0	0.5	0.2	1.5	-	1.5	2.5	0.7	1.6	0.2	
Valga	4.1	2.1	0.0	0.0	0.4	0.0	0.4	0.2	0.6	-	0.6	0.8	0.2	0.6	0.0	
Viljandi	8.2	4.0	0.0	0.0	0.5	0.0	0.5	0.3	1.2	0.0	1.2	2.2	0.5	1.5	0.2	
Võru	4.5	2.4	0.1	0.0	0.3	-	0.3	0.0	0.8	-	0.8	0.9	0.1	0.7	0.1	
PRIVATE FARMS																
2000	54.7	29.8	0.2	0.3	1.4	0.0	1.4	2.9	6.3	0.2	6.1	13.8	2.5	7.2	4.1	

	Total	of which										calves (less than 1 year old)					
		cows, bulls and heifers (2 years and over)					bovine animals (aged between 1 and 2 years)					total		for			
		cows		heifers			bulls		heifers			slaughter		breeding			
Maakonnad Counties											0.2	...	...	0.4	...	...	
	Harju	3.3	2.4	...	0.0	0.1	...	...	0.2	0.1	...	...	...	0.3	...	...	
	Hiiu	1.2	0.6	...	0.0	-	...	...	0.1	0.4	...	...	...	0.4	...	...	
	Ida-Viru	1.8	0.8	...	0.0	0.1	...	...	0.1	0.3	...	...	...	0.6	...	...	
	Jõgeva	2.8	1.7	...	0.0	0.1	...	...	0.3	0.8	...	...	...	1.3	...	...	
	Järva	6.1	3.5	...	0.0	0.2	...	...	0.2	0.1	...	...	...	0.5	...	...	
	Lääne	1.9	1.0	...	0.0	0.0	...	...	0.5	0.7	...	...	...	1.4	...	...	
	Lääne-Viru	4.5	1.8	...	0.0	0.1	...	...	0.1	0.3	...	...	...	1.1	...	...	
	Põlva	4.1	2.4	...	0.1	0.1	...	...	0.1	0.5	...	...	...	1.2	...	...	
	Pärnu	4.2	2.3	...	0.1	0.0	...	...	0.2	0.4	...	...	...	1.0	...	...	
	Rapla	4.0	2.3	...	0.0	0.1	...	...	0.2	0.5	...	...	...	1.1	...	...	
	Saare	3.6	1.8	...	0.0	0.0	...	...	0.1	0.3	...	...	...	0.9	...	...	
	Tartu	3.1	1.7	...	-	0.1	...	...	0.2	0.5	...	...	...	1.1	...	...	
	Valga	3.4	1.4	...	0.0	0.2	...	...	0.3	0.8	...	...	...	1.6	...	...	
	Viljandi	7.3	4.3	...	0.1	0.2	...	...	0.2	0.4	...	...	...	0.9	...	...	
	Võru	3.4	1.8	...	0.0	0.1	...	...	...	...	...	...	...	...	...	...	
	HOUSEHOLD PLOTS																
	2000	43.5	25.8	0.3	0.2	1.0	0.1	0.9	...	2.1	4.4	0.2	4.2	1.6	5.2	2.9	...
	Harju	2.2	1.6	...	0.0	0.1	...	...	0.0	0.2	...	...	...	0.3	...	...	...
	Hiiu	0.7	0.4	...	0.0	-	...	...	0.0	0.1	...	...	...	0.2	...	...	...
Ida-Viru	1.9	1.2	...	0.0	0.1	...	...	0.1	0.2	...	...	...	0.3	...	...	...	
Jõgeva	2.5	1.5	...	0.0	0.1	...	...	0.1	0.2	...	...	...	0.6	...	...	...	
Järva	1.8	1.1	...	0.0	0.0	...	...	0.1	0.3	...	...	...	0.3	...	...	...	
Lääne	4.1	1.8	...	0.1	0.2	...	...	0.5	0.5	...	...	...	0.8	...	...	...	
Lääne-Viru	2.5	1.4	...	0.0	0.0	...	...	0.1	0.3	...	...	...	0.6	...	...	...	
Põlva	2.2	1.5	...	0.0	0.0	...	...	0.1	0.1	...	...	...	0.5	...	...	...	
Pärnu	5.3	3.5	...	0.1	0.0	...	...	0.1	0.5	...	...	...	1.1	...	...	...	
Rapla	3.5	2.3	...	0.0	0.1	...	...	0.2	0.2	...	...	...	0.7	...	...	...	
Saare	4.7	2.7	...	0.0	0.1	...	...	0.3	0.5	...	...	...	1.1	...	...	...	
Tartu	2.8	1.7	...	-	0.0	...	...	0.1	0.3	...	...	...	0.7	...	...	...	
Valga	2.0	1.0	...	0.0	0.1	...	...	0.1	0.2	...	...	...	0.6	...	...	...	
Viljandi	4.0	2.0	...	0.0	0.1	...	...	0.1	0.6	...	...	...	1.2	...	...	...	
Võru	3.3	2.1	...	0.0	0.1	...	...	0.2	0.2	...	...	...	0.7	...	...	...	

**Table A.3.3\_I.7.** Swine population size in 2000 by counties of Estonia, 1000 heads (Agriculture 2000)

	Total	of which		breeding pigs, live weight more than 50 kg					of which gilts not yet covered				
		piglets, live weight less than 20 kg	young pigs, live weight 20–50 kg	fattening pigs			boars			sows			
				total	of which, live weight		total	covered sows		of which covered for the first time	other sows		
					50–80 kg	80–110 kg						more than 110 kg	
COUNTRY TOTAL													
2000	300.2	81.2	79.5	99.0	63.8	32.0	3.2	1.9	38.6	26.1	6.7	12.5	8.0
Harju	19.8	4.8	5.9	6.5	...	...	...	...	2.5	...	...	...	...
Hiiu	0.7	-	0.2	0.5	...	...	...	...	0.0	...	...	...	...
Ida-Viru	5.3	1.3	1.9	1.4	...	...	...	...	0.6	...	...	...	...
Jõgeva	25.1	6.4	7.9	7.7	...	...	...	...	3.0	...	...	...	...
Järva	32.2	8.6	7.0	12.0	...	...	...	...	4.3	...	...	...	...
Lääne	9.0	1.6	2.4	4.0	...	...	...	...	0.9	...	...	...	...
Lääne-Viru	40.0	8.3	10.6	17.8	...	...	...	...	3.1	...	...	...	...
Põlva	8.9	2.6	1.7	3.7	...	...	...	...	0.8	...	...	...	...
Pärnu	10.8	1.6	4.0	3.3	...	...	...	...	1.7	...	...	...	...
Rapla	24.2	8.0	4.8	6.9	...	...	...	...	4.2	...	...	...	...
Saare	16.1	4.6	4.1	5.3	...	...	...	...	2.0	...	...	...	...
Tartu	25.1	6.2	6.0	10.4	...	...	...	...	2.3	...	...	...	...
Valga	6.3	1.6	1.5	2.4	...	...	...	...	0.8	...	...	...	...
Viljandi	71.3	24.3	20.8	14.7	...	...	...	...	11.4	...	...	...	...
Võru	5.4	1.3	0.7	2.4	...	...	...	...	1.0	...	...	...	...
ENTERPRISES													
2000	242.9	73.6	65.1	70.5	45.4	23.6	1.5	1.0	32.7	22.1	5.6	10.6	7.0
Harju	17.7	4.3	5.1	5.9	3.7	2.2	0.0	0.1	2.3	1.3	0.4	1.0	0.3
Hiiu	-	-	-	-	-	-	-	-	-	-	-	-	-
Ida-Viru	3.4	1.2	1.0	0.7	0.5	0.2	-	0.1	0.4	0.3	0.1	0.1	0.0
Jõgeva	22.6	5.6	7.2	7.1	4.9	2.2	0.0	0.1	2.6	1.7	0.5	0.9	0.7
Järva	27.5	8.4	6.1	9.4	6.6	2.7	0.1	0.1	3.5	2.1	0.6	1.4	0.6
Lääne	7.7	1.3	1.9	3.6	1.5	1.2	0.9	0.1	0.8	0.8	0.2	0.0	0.1
Lääne-Viru	30.3	7.4	9.2	10.8	8.5	2.2	0.1	0.1	2.8	1.9	0.3	0.9	0.5
Põlva	4.9	2.0	1.1	1.2	1.0	0.2	0.0	0.0	0.6	0.5	0.1	0.1	0.1
Pärnu	4.1	1.2	0.9	1.4	0.9	0.5	-	0.0	0.6	0.4	0.0	0.2	0.1
Rapla	18.7	7.8	4.0	3.4	1.9	1.5	0.0	0.1	3.4	2.0	0.6	1.4	1.0
Saare	14.3	4.4	4.0	4.1	3.0	1.1	-	0.1	1.7	1.3	0.6	0.4	0.1
Tartu	20.2	5.0	5.0	8.0	5.0	2.9	0.1	0.1	2.1	1.6	0.5	0.5	0.2
Valga	4.0	1.0	0.9	1.6	0.9	0.7	0.0	0.0	0.5	0.4	0.1	0.1	0.1
Viljandi	65.7	23.5	18.6	12.5	6.4	5.8	0.3	0.1	11.0	7.7	1.5	3.3	3.0
Võru	1.8	0.5	0.1	0.8	0.6	0.2	0.0	0.0	0.4	0.1	0.1	0.3	0.2
PRIVATE FARMS													
2000	35.0	4.5	8.1	18.5	12.0	5.7	0.8	0.5	3.4	2.4	0.8	1.0	0.6

	Total	of which			breeding pigs, live weight more than 50 kg								
		piglets, live weight less than 20 kg	young pigs, live weight 20–50 kg	fattening pigs			boars		sows		other sows	of which gilts not yet covered	
				total	of which, live weight			total	covered sows	of which covered for the first time			
					50–80 kg	80–110 kg							more than 110 kg
Harju	1.2	0.3	0.4	0.3	...	...	...	...	0.2	...	...	...	
Hiiu	0.5	-	0.1	0.4	...	...	...	...	0.0	...	...	...	
Ida-Viru	0.8	0.1	0.4	0.3	...	...	...	...	0.0	...	...	...	
Jõgeva	1.5	0.5	0.4	0.4	...	...	...	...	0.2	...	...	...	
Järva	3.7	0.2	0.7	2.1	...	...	...	...	0.6	...	...	...	
Lääne	0.4	0.1	0.2	0.1	...	...	...	...	0.0	...	...	...	
Lääne-Viru	7.7	0.7	1.1	5.6	...	...	...	...	0.2	...	...	...	
Põlva	3.0	0.4	0.5	1.9	...	...	...	...	0.1	...	...	...	
Pämu	2.5	0.1	1.2	0.7	...	...	...	...	0.4	...	...	...	
Rapla	3.7	0.2	0.5	2.3	...	...	...	...	0.6	...	...	...	
Saare	1.0	0.1	0.1	0.6	...	...	...	...	0.2	...	...	...	
Tartu	2.4	0.6	0.5	1.1	...	...	...	...	0.2	...	...	...	
Valga	1.3	0.3	0.3	0.5	...	...	...	...	0.2	...	...	...	
Viljandi	3.5	0.5	1.4	1.4	...	...	...	...	0.2	...	...	...	
Võru	1.8	0.4	0.3	0.8	...	...	...	...	0.3	...	...	...	
HOUSEHOLD PLOTS													
2000	22.3	3.1	6.3	10.0	6.4	2.7	0.9	0.4	2.5	1.6	0.3	0.9	0.4
Harju	0.9	0.2	0.4	0.3	...	...	...	...	0.0	...	...	...	...
Hiiu	0.2	-	0.1	0.1	...	...	...	...	0.0	...	...	...	...
Ida-Viru	1.1	0.0	0.5	0.4	...	...	...	...	0.2	...	...	...	...
Jõgeva	1.0	0.3	0.3	0.2	...	...	...	...	0.2	...	...	...	...
Järva	1.0	0.0	0.2	0.5	...	...	...	...	0.2	...	...	...	...
Lääne	0.9	0.2	0.3	0.3	...	...	...	...	0.1	...	...	...	...
Lääne-Viru	2.0	0.2	0.3	1.4	...	...	...	...	0.1	...	...	...	...
Põlva	1.0	0.2	0.1	0.6	...	...	...	...	0.1	...	...	...	...
Pämu	4.2	0.3	1.9	1.2	...	...	...	...	0.7	...	...	...	...
Rapla	1.8	0.0	0.3	1.2	...	...	...	...	0.2	...	...	...	...
Saare	0.8	0.1	0.0	0.6	...	...	...	...	0.1	...	...	...	...
Tartu	2.5	0.6	0.5	1.3	...	...	...	...	0.0	...	...	...	...
Valga	1.0	0.3	0.3	0.3	...	...	...	...	0.1	...	...	...	...
Viljandi	2.1	0.3	0.8	0.8	...	...	...	...	0.2	...	...	...	...
Võru	1.8	0.4	0.3	0.8	...	...	...	...	0.3	...	...	...	...

**Table A.3.3\_I.8.** Number of cattle in 2001 by counties of Estonia, 1000 heads (Agriculture 2001)

	Total	of which										bovine animals (aged between 1 and 2 years)					calves (less than 1 year old)		
		cows, bulls and heifers (2 years and over)					heifers					bulls					total		
		cows		other			heifers		bulls			heifers		bulls			total		
		dairy cows					total	for slaughter	for breeding	total	for slaughter	for breeding	total	for slaughter	for breeding	total	for slaughter	for breeding	total
<b>2001 TOTAL</b>	<b>260.5</b>	<b>128.6</b>	<b>0.8</b>				<b>11.2</b>	<b>0.4</b>	<b>10.8</b>	<b>11.1</b>	<b>37.7</b>	<b>3.6</b>	<b>34.1</b>	<b>69.9</b>	<b>16.8</b>	<b>38.9</b>	<b>14.2</b>		
Harju	18.1	8.9	0.1				0.7	0.0	0.7	0.9	2.5	0.2	2.3	5.0	1.0	2.7	1.3		
Hiiu	3.0	1.2	0.1				0.1	0.0	0.1	0.3	0.4	0.1	0.3	0.9	0.2	0.4	0.3		
Ida-Viru	6.7	3.7	0.0				0.3	0.0	0.3	0.3	0.7	0.0	0.7	1.7	0.4	0.9	0.4		
Jõgeva	28.2	12.5	0.0				1.1	0.1	1.0	1.5	4.3	0.3	4.0	8.8	1.7	4.4	2.7		
Järva	37.1	18.7	0.0				2.0	0.1	1.9	0.7	6.1	0.3	5.8	9.5	1.9	6.5	1.1		
Lääne	10.9	4.6	0.1				0.8	0.1	0.7	0.8	1.3	0.2	1.1	3.1	1.1	1.4	0.6		
Lääne-Viru	30.8	12.9	0.1				1.5	0.0	1.5	2.0	4.8	0.3	4.5	9.2	2.5	4.6	2.1		
Põlva	15.1	7.2	0.1				0.7	0.0	0.7	0.6	2.2	0.4	1.8	4.2	1.0	2.5	0.7		
Pärnu	25.4	13.5	0.0				1.0	0.0	1.0	0.7	4.0	0.5	3.5	6.1	0.9	4.0	1.2		
Rapla	16.6	9.0	0.1				0.7	0.0	0.7	0.5	2.1	0.2	1.9	4.1	1.1	2.3	0.7		
Saare	14.2	7.0	0.1				0.8	0.1	0.7	0.7	2.1	0.3	1.8	3.5	0.9	2.0	0.6		
Tartu	14.6	8.3	0.0				0.4	0.0	0.4	0.4	1.9	0.1	1.8	3.5	1.2	1.9	0.4		
Valga	9.1	4.8	0.0				0.2	0.0	0.2	0.4	1.3	0.2	1.1	2.4	0.7	1.2	0.5		
Viljandi	20.1	10.5	0.1				0.7	0.0	0.7	0.9	2.6	0.3	2.3	5.2	1.5	2.7	1.0		
Võru	10.6	5.8	0.0				0.2	0.0	0.2	0.4	1.4	0.2	1.2	2.7	0.7	1.4	0.6		
Agricultural holdings	257.8	127.1	0.8				11.1	0.4	10.7	11.0	37.4	3.6	33.8	69.2	16.6	38.5	14.1		
natural persons	97.1	51.9	0.6				1.9	0.3	1.6	6.4	10.7	2.9	7.8	25.0	7.1	10.1	7.8		
legal persons	160.7	75.2	0.2				9.2	0.1	9.1	4.6	26.7	0.7	26.0	44.2	9.5	28.4	6.3		
Harju	17.8	8.7	0.1				0.7	0.0	0.7	0.8	2.5	0.2	2.3	5.0	1.0	2.7	1.3		
Hiiu	3.0	1.2	0.1				0.1	0.0	0.1	0.3	0.4	0.1	0.3	0.9	0.2	0.4	0.3		
Ida-Viru	6.3	3.5	0.0				0.3	0.0	0.3	0.2	0.7	0.0	0.7	1.6	0.4	0.8	0.4		
Jõgeva	28.0	12.5	0.0				1.1	0.1	1.0	1.5	4.2	0.3	3.9	8.7	1.7	4.4	2.6		
Järva	37.0	18.6	0.0				2.0	0.1	1.9	0.7	6.1	0.3	5.8	9.5	1.9	6.5	1.1		
Lääne	10.8	4.5	0.1				0.8	0.1	0.7	0.8	1.3	0.2	1.1	3.1	1.1	1.4	0.6		
Lääne-Viru	30.5	12.8	0.1				1.4	0.0	1.4	2.0	4.8	0.3	4.5	9.1	2.5	4.5	2.1		
Põlva	15.0	7.2	0.1				0.7	0.0	0.7	0.6	2.2	0.4	1.8	4.1	1.0	2.4	0.7		
Pärnu	25.2	13.4	0.0				1.0	0.0	1.0	0.7	4.0	0.5	3.5	6.0	0.9	3.9	1.2		
Rapla	16.5	8.9	0.1				0.7	0.0	0.7	0.6	2.0	0.2	1.8	4.1	1.1	2.3	0.7		
Saare	14.0	6.9	0.1				0.8	0.1	0.7	0.7	2.0	0.3	1.7	3.5	0.9	2.0	0.6		
Tartu	14.3	8.1	0.0				0.4	0.0	0.4	0.4	1.9	0.1	1.8	3.4	1.1	1.9	0.4		
Valga	8.9	4.7	0.0				0.2	0.0	0.2	0.4	1.3	0.2	1.1	2.3	0.6	1.2	0.5		
Viljandi	20.0	10.4	0.1				0.7	0.0	0.7	0.9	2.6	0.3	2.3	5.2	1.5	2.7	1.0		
Võru	10.5	5.7	0.0				0.2	0.0	0.2	0.4	1.4	0.2	1.2	2.7	0.7	1.4	0.6		
Agricultural households	2.7	1.5	0.0				0.1	0.0	0.1	0.1	0.3	0.0	0.3	0.7	0.2	0.4	0.1		

**Table A.3.3 I.9.** Swine population size in 2001 by counties of Estonia, 1000 heads (Agriculture 2001)

	Total	of which		breeding pigs, live weight more than 50 kg									
				piglets, live weight less than 20 kg	young pigs, live weight 20–50 kg	fattening pigs		boars		sows		other gilts not yet covered	
						total	of which, live weight		total	covered sows	of which covered for the first time		
							50–80 kg	80–110 kg					more than 110 kg
COUNTRY TOTAL	345.0	100.3	103.6	99.5	57.0	40.8	1.7	1.5	40.1	26.1	7.4	14.0	7.4
2001	20.0	4.3	8.2	5.2	3.3	1.9	0.0	0.1	2.2	1.4	0.3	0.8	0.4
Harju	4.1	0.2	2.0	1.9	0.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hiiu	5.8	1.5	2.5	1.2	0.8	0.4	0.0	0.1	0.5	0.4	0.1	0.1	0.0
Ida-Viru	29.2	6.4	10.4	8.8	6.6	2.1	0.1	0.1	3.5	2.3	0.5	1.2	0.7
Jõgeva	34.0	8.6	9.5	11.4	7.3	4.0	0.1	0.1	4.4	2.6	1.2	1.8	0.8
Järva	11.5	2.2	3.1	4.9	3.1	1.8	0.0	0.1	1.2	0.7	0.3	0.5	0.2
Lääne	47.2	11.1	13.8	17.8	9.6	7.8	0.4	0.1	4.4	3.1	0.7	1.3	0.6
Lääne-Viru	10.5	3.1	3.0	3.2	2.4	0.6	0.2	0.1	1.1	0.8	0.2	0.3	0.1
Põlva	9.2	1.9	3.4	2.9	1.9	0.8	0.2	0.1	0.9	0.6	0.1	0.3	0.2
Pärnu	29.6	6.8	9.2	9.6	4.9	4.7	0.0	0.1	3.9	2.5	0.7	1.4	0.8
Rapla	17.2	5.3	5.2	4.6	2.8	1.7	0.1	0.1	2.0	1.1	0.2	0.9	0.6
Saare	26.7	6.2	7.8	9.7	6.1	3.4	0.2	0.2	2.8	1.9	0.6	0.9	0.4
Tartu	7.2	1.7	2.5	2.2	1.5	0.6	0.1	0.1	0.7	0.5	0.1	0.2	0.1
Valga	86.0	39.7	20.2	14.1	5.4	8.5	0.2	0.1	11.9	7.9	2.3	4.0	2.4
Viljandi	6.8	1.3	2.8	2.0	1.2	0.7	0.1	0.1	0.6	0.3	0.1	0.3	0.1
Võru	342.8	99.8	102.8	98.8	56.5	40.6	1.7	1.5	39.9	26.0	7.4	13.9	7.4
Agricultural holdings	53.5	12.3	19.8	16.9	10.9	5.1	0.9	0.5	4.0	2.6	0.8	1.4	0.5
natural persons	289.3	87.5	83.0	81.9	45.6	35.5	0.8	1.0	35.9	23.4	6.6	12.5	6.9
legal persons	19.9	4.3	8.2	5.1	3.3	1.8	0.0	0.1	2.2	1.4	0.3	0.8	0.4
Harju	4.1	0.2	2.0	1.9	0.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hiiu	5.7	1.4	2.5	1.2	0.8	0.4	0.0	0.1	0.5	0.4	0.1	0.1	0.0
Ida-Viru	29.1	6.4	10.4	8.8	6.6	2.1	0.1	0.1	3.4	2.3	0.5	1.1	0.7
Jõgeva	33.7	8.5	9.4	11.3	7.2	4.0	0.1	0.1	4.4	2.6	1.2	1.8	0.8
Järva	11.5	2.2	3.1	4.9	3.1	1.8	0.0	0.1	1.2	0.7	0.3	0.5	0.2
Lääne	47.0	11.1	13.7	17.7	9.5	7.8	0.4	0.1	4.4	3.1	0.7	1.3	0.6
Lääne-Viru	10.4	3.0	3.0	3.2	2.4	0.6	0.2	0.1	1.1	0.8	0.2	0.3	0.1
Põlva	8.9	1.8	3.3	2.8	1.8	0.8	0.2	0.1	0.9	0.6	0.1	0.3	0.2
Pärnu	29.5	6.8	9.2	9.5	4.8	4.7	0.0	0.1	3.9	2.5	0.7	1.4	0.8
Rapla	17.1	5.3	5.1	4.6	2.8	1.7	0.1	0.1	2.0	1.1	0.2	0.9	0.6
Saare	26.5	6.2	7.7	9.6	6.0	3.4	0.2	0.2	2.8	1.9	0.6	0.9	0.4
Tartu	7.1	1.7	2.4	2.2	1.5	0.6	0.1	0.1	0.7	0.5	0.1	0.2	0.1
Valga	85.7	39.6	20.1	14.1	5.4	8.5	0.2	0.1	11.8	7.8	2.3	4.0	2.4
Viljandi	6.6	1.3	2.7	1.9	1.2	0.6	0.1	0.1	0.6	0.3	0.1	0.3	0.1
Võru	2.2	0.5	0.8	0.7	0.5	0.2	0.0	0.0	0.2	0.1	0.0	0.1	0.0
Agricultural households													



**Table A.3.3 I.10.** Number of cattle in 2002 by counties of Estonia, 1000 heads (Agriculture 2002)

	Total	of which										bovine animals (aged between 1 and 2 years)					calves (less than 1 year old)		
		cows, bulls and heifers (2 years and over)					heifers					bulls					total		
		cows		bulls		other	heifers		for slaughter	for breeding	heifers		for slaughter	for breeding	total	for slaughter	for breeding	for slaughter	for breeding
		dairy cows					total				total								
COUNTRY TOTAL	253.9	115.6	1.6	1.1	10.5	0.2	10.3	11.5	43.6	2.2	41.4	70.0	6.0	40.7	23.3				
2002	19.2	8.2	0.3	0.0	1.2	0.0	1.2	1.5	3.0	0.2	2.8	5.0	0.5	2.6	1.9				
Harju	3.0	1.1	0.0	0.1	0.1	0.0	0.3	0.2	0.8	0.0	0.8	0.7	0.1	0.3	0.3				
Hiiu	6.8	2.8	0.0	0.0	0.3	0.0	0.3	0.5	1.2	0.1	1.1	2.0	0.3	1.0	0.7				
Ida-Viru	25.4	10.7	0.0	0.0	1.1	0.0	1.1	1.2	4.0	0.0	4.0	8.4	0.4	4.4	3.6				
Jõgeva	36.9	18.3	0.2	0.1	1.5	0.0	1.5	0.8	7.6	0.1	7.5	8.4	0.6	6.5	1.3				
Järva	9.7	4.0	0.0	0.0	0.5	0.0	0.5	0.7	1.4	0.1	1.3	3.1	0.2	1.4	1.5				
Lääne	28.6	12.5	0.1	0.3	1.0	0.1	0.9	1.6	5.4	0.2	5.2	7.7	0.7	4.2	2.8				
Lääne-Viru	13.8	6.4	0.1	0.2	0.8	0.0	0.8	0.4	2.0	0.0	2.0	3.9	0.3	2.9	0.7				
Põlva	24.6	12.4	0.0	0.1	0.8	0.0	0.8	0.9	4.2	0.3	3.9	6.2	0.6	3.5	2.1				
Pärnu	18.8	8.1	0.1	0.1	0.7	0.0	0.7	0.9	3.4	0.5	2.9	5.5	0.3	2.4	2.8				
Rapla	12.5	6.0	0.1	0.0	0.7	0.1	0.6	0.3	1.7	0.1	1.6	3.7	0.4	2.3	1.0				
Saare	17.5	8.5	0.0	0.2	0.2	0.0	0.2	0.5	3.1	0.2	2.9	5.0	0.6	2.8	1.6				
Tartu	8.3	3.6	0.0	0.0	0.3	0.0	0.3	0.4	1.7	0.0	1.7	2.3	0.4	1.4	0.5				
Valga	18.6	8.1	0.1	0.0	1.1	0.0	1.1	1.2	2.6	0.3	2.3	5.5	0.4	3.3	1.8				
Viljandi	10.2	4.9	0.6	0.0	0.2	0.0	0.2	0.4	1.5	0.1	1.4	2.6	0.2	1.7	0.7				
Võru	251.5	114.5	1.6	1.1	10.4	0.2	10.2	11.3	43.3	2.1	41.2	69.3	5.8	40.4	23.1				
Agricultural holdings	87.1	39.1	0.7	0.4	3.6	0.1	3.5	4.1	14.9	0.8	14.1	24.3	2.1	14.0	8.2				
natural persons	164.4	75.4	0.9	0.7	6.8	0.1	6.7	7.2	28.4	1.3	27.1	45.0	3.7	26.4	14.9				
legal persons	18.9	8.1	0.3	0.0	1.2	0.0	1.2	1.4	3.0	0.2	2.8	4.9	0.5	2.6	1.8				
Harju	3.0	1.1	0.0	0.1	0.1	0.0	0.1	0.2	0.8	0.0	0.8	0.7	0.1	0.3	0.3				
Hiiu	6.5	2.7	0.0	0.0	0.2	0.0	0.2	0.5	1.1	0.1	1.0	2.0	0.3	1.0	0.7				
Ida-Viru	25.3	10.7	0.0	0.0	1.1	0.0	1.1	1.2	4.0	0.0	4.0	8.3	0.4	4.4	3.5				
Jõgeva	36.7	18.2	0.2	0.1	1.5	0.0	1.5	0.8	7.5	0.1	7.4	8.4	0.6	6.5	1.3				
Järva	9.6	3.9	0.0	0.0	0.5	0.0	0.5	0.7	1.4	0.1	1.3	3.1	0.2	1.4	1.5				
Lääne	28.5	12.4	0.1	0.3	1.0	0.1	0.9	1.6	5.4	0.2	5.2	7.7	0.7	4.2	2.8				
Lääne-Viru	13.7	6.4	0.1	0.2	0.8	0.0	0.8	0.4	2.0	0.0	2.0	3.8	0.3	2.8	0.7				
Põlva	24.4	12.3	0.0	0.1	0.8	0.0	0.8	0.9	4.1	0.2	3.9	6.2	0.6	3.5	2.1				
Pärnu	18.6	8.0	0.1	0.1	0.7	0.0	0.7	0.9	3.4	0.5	2.9	5.4	0.3	2.3	2.8				
Rapla	12.4	6.0	0.1	0.0	0.7	0.1	0.6	0.2	1.7	0.1	1.6	3.7	0.4	2.3	1.0				
Saare	17.2	8.3	0.0	0.2	0.2	0.0	0.2	0.5	3.1	0.2	2.9	4.9	0.6	2.7	1.6				
Tartu	8.2	3.6	0.0	0.0	0.3	0.0	0.3	0.4	1.7	0.0	1.7	2.2	0.3	1.4	0.5				
Valga	18.4	8.0	0.1	0.0	1.1	0.0	1.1	1.2	2.6	0.3	2.3	5.4	0.3	3.3	1.8				
Viljandi	10.1	4.8	0.6	0.0	0.2	0.0	0.2	0.4	1.5	0.1	1.4	2.6	0.2	1.7	0.7				
Võru	2.4	1.1	0.0	0.0	0.1	0.0	0.1	0.2	0.3	0.1	0.2	0.7	0.2	0.3	0.2				
Agricultural households																			

**Table A.3.3 I.11.** Swine population size in 2002 by counties of Estonia, 1000 heads (Agriculture 2002)

	Total	of which		fattening pigs				boars		breeding pigs, live weight more than 50 kg					
		piglets, live weight less than 20 kg	young pigs, live weight 20–50 kg	of which, live weight			total	sows	covered sows	of which covered for the first time	other sows	of which gilts not yet covered			
				80–110 kg		more than 110 kg									
				50–80 kg	80–110 kg										
COUNTRY TOTAL															
2002	340.8	104.1	82.8	114.1	64.7	45.8	3.6	2.1	37.7	27.4	5.5	10.3	4.8		
Harju	21.2	4.6	6.3	7.4	4.0	3.1	0.3	0.1	2.8	1.7	0.4	1.1	0.5		
Hiiu	5.8	0.1	1.5	4.1	1.9	1.7	0.5	0.0	0.1	0.1	0.0	0.0	0.0		
Ida-Viru	4.4	1.1	1.6	1.4	1.0	0.4	0.0	0.0	0.3	0.2	0.0	0.1	0.0		
Jõgeva	26.2	6.5	7.8	8.7	6.9	1.8	0.0	0.1	3.1	2.1	0.4	1.0	0.6		
Järva	28.2	7.7	7.5	9.9	5.9	3.3	0.7	0.1	3.0	2.1	0.6	0.9	0.4		
Lääne	9.6	2.1	2.1	4.3	3.6	0.5	0.2	0.1	1.0	0.7	0.2	0.3	0.1		
Lääne-Viru	51.2	13.2	11.5	20.0	10.0	9.8	0.2	0.9	5.6	3.1	0.5	2.5	0.4		
Põlva	10.6	3.2	4.0	2.4	1.9	0.3	0.2	0.1	0.9	0.7	0.3	0.2	0.0		
Pärnu	7.5	1.7	2.1	3.0	1.6	1.1	0.3	0.0	0.7	0.4	0.1	0.3	0.1		
Rapla	28.4	7.4	9.4	8.4	4.7	3.7	0.0	0.1	3.1	2.3	0.6	0.8	0.4		
Saare	19.8	4.1	7.5	6.1	3.6	2.5	0.0	0.1	2.0	1.3	0.3	0.7	0.4		
Tartu	23.3	4.5	6.6	9.5	5.4	4.0	0.1	0.2	2.5	2.1	0.3	0.4	0.2		
Valga	4.8	1.6	0.8	1.7	1.1	0.5	0.1	0.1	0.6	0.5	0.2	0.1	0.1		
Viljandi	90.9	43.2	12.7	24.0	10.7	12.3	1.0	0.1	10.9	9.3	1.5	1.6	1.4		
Võru	8.9	3.1	1.4	3.2	2.4	0.8	0.0	0.1	1.1	0.8	0.1	0.3	0.2		
Agricultural holdings	338.2	103.5	81.8	113.3	64.2	45.5	3.6	2.1	37.5	27.3	5.5	10.2	4.8		
natural persons	40.8	11.7	10.6	13.7	8.2	5.0	0.5	0.3	4.5	3.2	0.7	1.3	0.5		
legal persons	297.4	91.8	71.2	99.6	56.0	40.5	3.1	1.8	33.0	24.1	4.8	8.9	4.3		
Harju	21.0	4.5	6.3	7.3	4.0	3.0	0.3	0.1	2.8	1.7	0.4	1.1	0.5		
Hiiu	5.7	0.1	1.5	4.0	1.9	1.6	0.5	0.0	0.1	0.1	0.0	0.0	0.0		
Ida-Viru	4.3	1.1	1.5	1.4	1.0	0.4	0.0	0.0	0.3	0.2	0.0	0.1	0.0		
Jõgeva	26.0	6.5	7.7	8.6	6.8	1.8	0.0	0.1	3.1	2.1	0.4	1.0	0.6		
Järva	28.0	7.7	7.4	9.8	5.8	3.3	0.7	0.1	3.0	2.1	0.6	0.9	0.4		
Lääne	9.5	2.1	2.1	4.3	3.6	0.5	0.2	0.1	0.9	0.7	0.2	0.2	0.1		
Lääne-Viru	50.9	13.1	11.4	19.9	9.9	9.8	0.2	0.9	5.6	3.1	0.5	2.5	0.4		
Põlva	10.5	3.2	3.9	2.4	1.9	0.3	0.2	0.1	0.9	0.7	0.3	0.2	0.0		
Pärnu	7.3	1.6	2.1	2.9	1.5	1.1	0.3	0.0	0.7	0.4	0.1	0.3	0.1		
Rapla	28.2	7.4	9.3	8.4	4.7	3.7	0.0	0.1	3.0	2.2	0.6	0.8	0.4		
Saare	19.7	4.1	7.4	6.1	3.6	2.5	0.0	0.1	2.0	1.3	0.3	0.7	0.4		
Tartu	23.0	4.4	6.5	9.4	5.4	3.9	0.1	0.2	2.5	2.1	0.3	0.4	0.2		
Valga	4.8	1.6	0.8	1.7	1.1	0.5	0.1	0.1	0.6	0.5	0.2	0.1	0.1		
Viljandi	90.6	43.1	12.6	23.9	10.6	12.3	1.0	0.1	10.9	9.3	1.5	1.6	1.4		
Võru	8.7	3.0	1.3	3.2	2.4	0.8	0.0	0.1	1.1	0.8	0.1	0.3	0.2		
Agricultural households	2.6	0.6	1.0	0.8	0.5	0.3	0.0	0.0	0.2	0.1	0.0	0.1	0.0		



**Table A.3.3 I.13.** Swine population size in 2003 by counties of Estonia, 1000 heads (Agriculture 2003)

	Total	of which				fattening pigs				breeding pigs, live weight more than 50 kg			
		piglets, live weight less than 20 kg	young pigs, live weight 20–50 kg	total	of which, live weight	50–80 kg	80–110 kg	more than 110 kg	boars	sows			
										total	covered sows	of which covered for the first time	other sows
<b>COUNTRY TOTAL</b>													
<b>2003</b>	<b>344.6</b>	<b>104.1</b>	<b>91.9</b>	<b>110.7</b>	<b>64.3</b>	<b>44.6</b>	<b>1.8</b>		<b>1.3</b>	<b>36.6</b>	<b>26.3</b>	<b>5.4</b>	<b>10.3</b>
Harju	21.6	3.1	6.8	9.2	5.4	3.8	0.0		0.1	2.4	1.0	0.3	1.4
Hiiu	6.1	0.2	2.1	3.8	2.1	1.6	0.0		0.0	0.0	0.0	0.0	0.0
Ida-Viru	4.1	0.8	1.5	1.5	1.1	0.4	0.0		0.0	0.3	0.2	0.0	0.1
Jõgeva	33.0	7.7	9.1	11.9	9.2	2.6	0.1		0.2	4.1	3.1	0.6	1.0
Järva	23.0	4.7	7.1	9.1	4.7	3.8	0.6		0.1	2.0	1.2	0.2	0.8
Lääne	8.5	1.7	1.7	4.1	3.3	0.8	0.0		0.0	1.0	0.7	0.1	0.3
Lääne-Viru	50.5	13.7	13.3	18.0	11.5	6.2	0.3		0.2	5.3	3.3	0.9	2.0
Põlva	8.6	2.1	3.4	2.2	0.8	1.3	0.1		0.0	0.9	0.7	0.2	0.2
Pänu	8.3	1.4	2.4	3.8	2.3	1.5	0.0		0.1	0.6	0.4	0.1	0.2
Rapla	22.5	5.0	7.4	7.1	3.6	3.5	0.0		0.1	2.9	2.0	0.5	0.9
Saare	23.1	6.8	6.7	7.3	4.3	3.0	0.0		0.1	2.2	1.6	0.3	0.6
Tartu	22.4	6.7	6.3	7.8	3.2	4.6	0.0		0.1	1.5	1.2	0.3	0.3
Valga	4.9	1.5	1.0	1.8	1.4	0.4	0.0		0.1	0.5	0.4	0.1	0.1
Viljandi	99.2	45.9	21.0	20.2	9.9	10.2	0.1		0.1	12.0	10.0	1.7	2.0
Võru	8.8	2.8	2.1	2.9	1.5	0.9	0.5		0.1	0.9	0.5	0.1	0.4
Agricultural holdings	340.9	103.3	90.5	109.5	63.6	44.2	1.7		1.2	36.4	26.2	5.3	10.2
<i>natural persons</i>	34.3	9.3	9.8	11.6	6.4	4.9	0.3		0.1	3.5	2.4	0.5	1.1
<i>legal persons</i>	306.6	94.0	80.7	97.9	57.2	39.3	1.4		1.1	32.9	23.8	4.8	9.1
Harju	21.4	3.1	6.7	9.1	5.4	3.7	0.0		0.2	2.3	1.0	0.3	1.3
Hiiu	6.0	0.1	2.1	3.8	2.1	1.6	0.1		0.0	0.0	0.0	0.0	0.0
Ida-Viru	4.0	0.8	1.4	1.5	1.1	0.4	0.0		0.0	0.3	0.2	0.0	0.1
Jõgeva	32.7	7.7	9.0	11.7	9.1	2.5	0.1		0.2	4.1	3.1	0.6	1.0
Järva	22.8	4.7	6.9	9.1	4.6	3.9	0.6		0.1	2.0	1.2	0.2	0.8
Lääne	8.3	1.6	1.6	4.1	3.3	0.8	0.0		0.0	1.0	0.7	0.1	0.3
Lääne-Viru	50.0	13.6	13.1	17.8	11.4	6.2	0.2		0.2	5.3	3.3	0.9	2.0
Põlva	8.4	2.1	3.3	2.1	0.7	1.3	0.1		0.0	0.9	0.7	0.2	0.2
Pänu	8.0	1.3	2.4	3.6	2.2	1.4	0.0		0.1	0.6	0.4	0.0	0.2
Rapla	22.3	4.9	7.4	7.0	3.5	3.5	0.0		0.1	2.9	2.0	0.5	0.9
Saare	22.8	6.7	6.5	7.3	4.3	3.0	0.0		0.1	2.2	1.6	0.3	0.6
Tartu	22.1	6.7	6.2	7.7	3.2	4.5	0.0		0.1	1.4	1.1	0.3	0.3
Valga	4.8	1.5	1.0	1.8	1.4	0.4	0.0		0.0	0.5	0.4	0.1	0.1
Viljandi	98.6	45.7	20.8	20.0	9.8	10.1	0.1		0.1	12.0	10.0	1.7	2.0
Võru	8.7	2.8	2.1	2.9	1.5	0.9	0.5		0.0	0.9	0.5	0.1	0.4
Agricultural households	3.7	0.8	1.4	1.2	0.7	0.4	0.1		0.1	0.2	0.1	0.1	0.1

**Table A.3.3 I.14.** Number of cattle in 2004 by counties of Estonia, 1000 heads (Agriculture 2004)

	Total	of which										bovine animals (aged between 1 and 2 years)						calves (less than 1 year old)		
		cows, bulls and heifers (2 years and over)					heifers					bulls		heifers		total	for slaughter	for breeding		
		cows		other			bulls		heifers			for slaughter		for breeding				heifers	bulls	
		dairy cows					Total	for slaughter	for breeding			total	for slaughter	for breeding						
2004	249.8	116.5	2.7				1.3	12.0	0.1	11.9	10.2	40.8	1.1	39.7	66.3	3.5	40.1	22.7		
Agricultural holdings	249.4	116.1	2.7				1.3	12.0	0.1	11.9	10.2	40.8	1.1	39.7	66.3	3.5	40.1	22.7		
natural persons	88.3	40.1	1.1				0.5	4.6	0.0	4.6	3.9	14.4	0.4	14.0	23.7	1.3	14.2	8.2		
legal persons	161.1	76.0	1.6				0.8	7.4	0.1	7.3	6.3	26.4	0.7	25.7	42.6	2.2	25.9	14.5		
Harju	14.5	6.2	0.2				0.1	0.8	0.1	0.7	0.8	2.5	0.2	2.3	3.9	0.4	2.1	1.4		
Hiiu	2.5	1.0	0.1				0.0	0.1	0.0	0.1	0.2	0.3	0.0	0.3	0.8	0.0	0.4	0.4		
Ida-Viru	7.4	3.6	0.0				0.0	0.3	0.0	0.3	0.3	1.5	0.0	1.5	1.7	0.1	1.0	0.6		
Jõgeva	26.3	11.5	0.2				0.0	1.0	0.0	1.0	1.4	4.0	0.1	3.9	8.2	0.3	4.5	3.4		
Järva	36.6	18.7	0.1				0.1	1.6	0.0	1.6	0.5	6.7	0.3	6.4	8.9	0.6	6.7	1.6		
Lääne	8.5	3.5	0.1				0.1	0.5	0.0	0.5	0.7	1.3	0.0	1.3	2.3	0.1	1.3	0.9		
Lääne-Viru	28.6	12.1	0.6				0.2	1.3	0.0	1.3	1.5	5.0	0.1	4.9	7.9	0.2	4.4	3.3		
Põlva	14.7	7.2	0.1				0.0	0.7	0.0	0.7	0.5	1.9	0.0	1.9	4.3	0.2	2.9	1.2		
Pärnu	25.7	13.2	0.3				0.1	1.3	0.0	1.3	0.6	4.4	0.2	4.2	5.8	0.4	3.9	1.5		
Rapla	17.1	7.8	0.1				0.2	0.6	0.0	0.6	0.7	3.0	0.1	2.9	4.7	0.2	2.4	2.1		
Saare	14.3	6.2	0.2				0.1	0.7	0.0	0.7	1.1	1.9	0.0	1.9	4.1	0.6	2.1	1.4		
Tartu	15.0	7.1	0.1				0.0	0.3	0.0	0.3	0.6	2.5	0.0	2.5	4.4	0.1	2.7	1.6		
Valga	9.5	4.6	0.2				0.3	0.9	0.0	0.9	0.1	1.1	0.0	1.1	2.3	0.1	1.6	0.6		
Viljandi	19.1	8.7	0.1				0.1	1.4	0.0	1.4	0.8	3.5	0.0	3.5	4.5	0.2	2.7	1.6		
Võru	9.6	4.7	0.3				0.0	0.5	0.0	0.5	0.4	1.2	0.1	1.1	2.5	0.0	1.4	1.1		
Agricultural households	0.4	0.4	0.0				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

**Table A.3.3 I.15.** Swine population size in 2004 by counties of Estonia, 1000 heads (Agriculture 2004)

		of which							breeding pigs, live weight more than 50 kg				
		piglets, live weight less than 20 kg	young pigs, live weight 20–50 kg	fattening pigs				boars	sows	of which			
				of which, live weight			covered sows			other sows	of which gilts not yet covered		
				total	50–80 kg	80–110 kg						more than 110 kg	
Total		113.7	83.9	106.6	65.5	37.8	3.3	1.2	34.7	22.6	5.0	12.1	4.2
2004		340.1											
Agricultural holdings		339.2											
natural persons		31.4											
legal persons		307.8											
Harju		26.3											
Hiiu	x	x	x	x	x	x	x	x	x	x	x	x	x
Ida-Viru	5.5	0.9	1.3	2.9	1.8	1.1	0.0	0.0	0.4	0.3	0.0	0.1	0.0
Jõgeva	27.4	5.8	8.8	9.8	8.0	1.8	0.0	0.2	2.8	2.1	0.4	0.7	0.4
Järva	17.6	4.3	4.9	6.6	3.6	2.8	0.2	0.1	1.7	1.0	0.2	0.7	0.2
Lääne	9.2	1.9	2.2	4.2	3.0	1.2	0.0	0.0	0.9	0.7	0.3	0.2	0.2
Lääne-Viru	44.1	13.3	12.0	14.1	10.0	4.0	0.1	0.1	4.6	3.5	0.9	1.1	0.3
Põlva	9.9	3.9	2.2	2.7	0.8	1.9	0.0	0.1	1.0	0.9	0.2	0.1	0.0
Pämu	6.9	1.6	1.0	3.6	3.0	0.6	0.0	0.1	0.6	0.4	0.1	0.2	0.1
Rapla	20.8	5.8	5.5	6.5	4.1	2.3	0.1	0.1	2.9	2.4	0.4	0.5	0.1
Saare	20.2	7.3	5.9	4.6	2.7	1.8	0.1	0.1	2.3	1.7	0.3	0.6	0.4
Tartu	24.5	6.3	7.5	9.1	7.4	1.7	0.0	0.1	1.5	1.2	0.3	0.3	0.1
Valga	5.3	1.2	1.4	2.0	1.3	0.5	0.2	0.1	0.6	0.4	0.1	0.2	0.1
Viljandi	x	x	x	x	x	x	x	x	x	x	x	x	x
Võru	11.4	2.1	2.5	5.9	3.5	2.4	0.0	0.0	0.9	0.5	0.1	0.4	0.2
Agricultural households	0.9	0.2	0.3	0.3	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0



**Table A.3.3 I.17.** Swine population size in 2005 by counties of Estonia, 1000 heads (Agriculture 2005)

		of which		fattening pigs						breeding pigs, live weight more than 50 kg				
		piglets, live weight less than 20 kg	young pigs, live weight 20–50 kg	total	of which, live weight			boars	sows					
					50–80 kg	80–110 kg	more than 110 kg			covered sows	of which covered for the first time	other sows	of which gilts not yet covered	
2005	Total	113.3	87.2	110.4	77.2	31.7	1.5	1.3	34.3	26.3	5.3	8	4.3	
Agricultural holdings	343.8	112.7	86.2	109.4	76.6	31.4	1.4	1.3	34.2	26.2	5.3	8	4.3	
natural persons	34.7	11.1	9	11.4	8.1	3.1	0.2	0.2	3	2.3	0.5	0.7	0.3	
legal persons	309.1	101.6	77.2	98	68.5	28.3	1.2	1.1	31.2	23.9	4.8	7.3	4	
Harju	22.7	4.2	6.4	9.8	6	3.8	0	0.2	2.1	1.5	0.3	0.6	0.3	
Hiiu	x	x	x	x	x	x	x	x	x	x	x	x	x	
Ida-Viru	3.5	0.7	1	1.5	0.9	0.6	0	0	0.3	0.2	0	0.1	0	
Jõgeva	28.1	7.4	7	10.7	9.1	1.6	0	0.2	2.8	2.1	0.4	0.7	0.6	
Järva	16.1	4.8	3.8	5.6	3.1	2.2	0.3	0.1	1.8	1.2	0.2	0.6	0.3	
Lääne	9.3	1.8	2.5	4.2	2.9	1	0.3	0.1	0.7	0.5	0.1	0.2	0	
Lääne-Viru	x	x	x	x	x	x	x	x	x	x	x	x	x	
Põlva	17.5	10.9	3.6	2.7	1.7	1	0	0	0.3	0.2	0	0.1	0	
Pämu	6.7	1.1	2.3	2.8	1.9	0.9	0	0	0.5	0.4	0.1	0.1	0.1	
Rapla	20.8	5.4	6.2	6.6	5.2	1.4	0	0.1	2.5	1.9	0.6	0.6	0.1	
Saare	23	7.7	6.6	6.2	3.5	2.6	0.1	0.1	2.4	1.7	0.4	0.7	0.3	
Tartu	24	4.5	9.7	8	6.1	1.9	0	0.1	1.7	1.4	0.2	0.3	0.1	
Valga	6.6	1.1	0.8	4.3	3.4	0.8	0.1	0	0.4	0.3	0	0.1	0	
Viljandi	101	49.2	18.2	20.4	12.7	7.5	0.2	0.2	13	10.5	1.8	2.5	1.9	
Võru	13.2	2.5	3.9	5.9	4.1	1.5	0.3	0.1	0.8	0.6	0.1	0.2	0.1	
Agricultural households	2.7	0.6	1	1	0.6	0.3	0.1	0	0.1	0.1	0	0	0	





**Table A.3.3 I.19.** Swine population size in 2006 by counties of Estonia, 1000 heads (SE, 2011)

		of which		fattening pigs					boars	breeding pigs, live weight more than 50 kg				
		piglets, live weight less than 20 kg	young pigs, live weight 20–50 kg	total	of which, live weight			sows		total				
					50–80 kg	80–110 kg	more than 110 kg			covered sows	of which covered for the first time	other sows	of which gilts not yet covered	
2006	Total	345.8	118.8	76.9	111.7	72.8	36.5	2.4	1	37.4	26.3	5.3	11.1	4.5
Harju		18.9	2.6	7.1	7.1	4.1	3	0	0	2.1	1.1	0.3	1	0.7
Hiiu		4.5	.	.	.	.	.	.	.	.	.	.	.	.
Ida-Viru		4.5	.	.	.	.	.	.	.	.	.	.	.	.
Jõgeva		29.2	8.5	6.9	9.5	6.7	2.6	0.2	0.2	4.1	2.7	0.6	1.4	0.4
Järva		11.6	2.5	3.6	4.2	2.4	1.7	0.1	0.1	1.2	0.8	0.1	0.4	0.2
Lääne		8.1	2.9	1.5	2.8	1.9	0.9	0	0	0.9	0.6	0.1	0.3	0.1
Lääne-Viru		53.9	13.4	13.4	21.1	14.8	6.1	0.2	0.2	5.8	4.1	1.2	1.7	0.4
Põlva		26.7	13	2.3	11.1	10.8	0.2	0.1	0	0.3	0.3	0	0	0
Pärnu		5.3	0.9	1.2	2.6	1.7	0.9	0	0	0.6	0.4	0.1	0.2	0
Rapla		19.4	4.9	5.3	6.1	3.9	2.2	0	0.1	3	1.9	0.4	1.1	0.5
Saare		25.1	8.6	7.2	6.6	3.4	3.1	0.1	0.1	2.6	2	0.5	0.6	0.3
Tartu		23.4	4.7	7.7	9.2	6.3	1.9	1	0.1	1.7	1.4	0.3	0.3	0.1
Valga		6.3	2.3	1	2.4	1.6	0.6	0.2	0	0.6	0.5	0.1	0.1	0
Viljandi		96.5	47.3	14.9	21.3	10.7	10.2	0.4	0.1	12.9	9.2	1.5	3.7	1.7
Võru		12.4	2.2	3.2	6.2	3.6	2.6	0	0.1	0.7	0.6	0.1	0.1	0.1

**Table A.3.3 I.20.** Number of cattle in 2007 by counties of Estonia, 1000 heads (SE, 2011)

	Total	of which										
		cows, bulls and heifers (2 years and over)				bovine animals (aged between 1 and 2 years)				calves (less than 1 year old)		
		cows		bulls		heifers		bulls		heifers		total
		dairy cows	other			total	for slaughter	for breeding		total	for slaughter	for breeding
<b>2007</b>	<b>240.5</b>	103.0	8.5	<b>1.8</b>	<b>11.6</b>	0.7	10.9	8.4	42.7	1.4	41.3	<b>64.5</b>
Harju	12.9	5.8	0.5	0	0.5	0	0.5	0.6	2.4	0.1	2.3	3.8
Hiiu	3.5	0.8	0.7	0.1	0.1	0	0.1	0.3	0.4	0.1	0.3	1.1
Ida-Viru	5.9	2.3	0.2	0.1	0.3	0	0.3	0.2	1.1	0.2	0.9	1.7
Jõgeva	22.1	9.9	0.1	0.1	1.2	0.1	1.1	0.5	4.1	0.2	3.9	6.2
Järva	30.8	15.4	0.3	0.1	1.4	0	1.4	0.3	5.4	0	5.4	7.9
Lääne	10.7	2.7	1.5	0.1	0.5	0.2	0.3	0.9	1.8	0.1	1.7	3.2
Lääne-Viru	29.4	12.8	0.8	0.1	1	0.1	0.9	1	6	0.1	5.9	7.7
Põlva	14.1	6.6	0.1	0.1	1.1	0.1	1	0.4	2.3	0	2.3	3.5
Pärnu	23.9	10.9	0.7	0.1	0.9	0	0.9	0.6	4.7	0.1	4.6	6
Rapla	18.1	7.2	0.9	0.6	0.6	0.2	0.4	0.7	3.1	0.2	2.9	5
Saare	15.4	6.1	0.9	0.1	0.7	0	0.7	0.7	2.6	0.1	2.5	4.3
Tartu	15.4	6.4	0.3	0	0.7	0	0.7	0.6	2.9	0	2.9	4.5
Valga	9.3	3.5	0.7	0	1.1	0	1.1	0.4	1.2	0	1.2	2.4
Viljandi	16.9	7.6	0.5	0.1	1.2	0	1.2	0.5	2.5	0	2.5	4.5
Võru	9.8	4.0	0.3	0.2	0.3	0	0.3	0.5	1.8	0.1	1.7	2.7
												19.2
												0.9
												0.6
												1.1
												0.6
												2.2
												1.4
												1.2
												2.4
												0.9
												1.6
												0.9
												1.2
												1

**Table A.3.3 I.21.** Swine population size in 2007 by counties of Estonia, 1000 heads (SE, 2011)

		of which		fattening pigs						boars		breeding pigs, live weight more than 50 kg			
				young pigs, live weight 20–50 kg	of which, live weight			total	50–80 kg	80–110 kg		total	sows	total	
		more than 110 kg			covered sows	of which covered for the first time	other sows			of which gilts not yet covered					
		50–80 kg	80–110 kg												
2007	Total	379	123.3	81.8	137.4	78.5	56.3	2.6	0.8	35.7	25.1	5.1	10.6	3.5	
	Harju	20.4	2.2	8	8.8	6	2.7	0.1	0	1.4	1	0.2	0.4	0.1	
	Hiiu	4.5	27.45	7.9	15.9	5.95	9.9	0.05	0.05	6.5	4.4	0.85	2.1	0.7	
	Ida-Viru	3.3	1.5	0.6	0.8	0.5	0.3	0	0	0.4	0.3	0.1	0.1	0	
	Jõgeva	34.6	8.4	9.4	12.6	6.1	6	0.5	0.1	4.1	3.6	0.9	0.5	0.4	
	Järva	12.2	2.5	4.4	4.2	2.8	1.3	0.1	0	1.1	0.9	0.1	0.2	0.2	
	Lääne	8.4	2.9	2.8	1.8	1.8	0	0	0	0.9	0.8	0.2	0.1	0.1	
	Lääne-Viru	55.4	13.6	9.2	27.1	13.7	13.1	0.3	0.1	5.4	3.5	0.6	1.9	0.5	
	Põlva	30.8	15.5	2	12.9	11.4	0.7	0.8	0	0.4	0.2	0.1	0.2	0.1	
	Pärnu	6.4	1.1	1.1	3.6	2.7	0.9	0	0	0.6	0.4	0.1	0.2	0.1	
	Rapla	18.9	4.1	5.6	6.6	4.2	2.4	0	0.1	2.5	1.6	0.3	0.9	0.1	
	Saare	27	8.9	8.3	7.4	5	2.3	0.1	0.1	2.3	1.6	0.5	0.7	0.3	
	Tartu	28.8	4.8	9.7	11.9	7.5	4.4	0	0.1	2.3	1.6	0.2	0.7	0.2	
	Valga	4.9	1.2	1	2.2	1.5	0.5	0.2	0.1	0.4	0.2	0	0.2	0	
	Viljandi	111.1	27.45	7.9	15.9	5.95	9.9	0.05	0.05	6.5	4.4	0.85	2.1	0.7	
	Võru	12.3	1.7	3.9	5.7	3.4	1.9	0.4	0.1	0.9	0.6	0.1	0.3	0	



**Table A.3.3\_I.23.** Swine population size in 2008 by counties of Estonia, 1000 heads (SE, 2011)

	Total	of which		fattening pigs				boars	breeding pigs, live weight more than 50 kg				
		piglets, live weight less than 20 kg	young pigs, live weight 20–50 kg	of which, live weight			sows						
				of which, live weight									
				50–80 kg	80–110 kg	more than 110 kg							
		total							covered sows	of which covered for the first time	other sows	of which gilts not yet covered	
2008	364.9	116.9	96.2	70.1	44.2	2.6	0.6	34.1	22.5	5	11.6	4	
Harju	19.2	7.7	6.8	4.5	3.2	0	0	1.2	0.9	0.3	0.3	0.1	
Hiiu	58.4	11.7	16.4	6.9	4.8	0.0	0.1	6.6	3.3	0.9	3.3	1.0	
Ida-Viru	2.2	0.4	0.6	0.2	0.2	0	0	0.3	0.2	0.1	0.1	0	
Jõgeva	40.5	14.3	12	6	8	0.3	0.1	4.9	4	0.7	0.9	0.8	
Järva	11.4	4.3	2.8	4	0.3	0	0	1	0.8	0.3	0.2	0.1	
Lääne	8.9	4	0.2	4	0	0	0	1.1	0.7	0.2	0.4	0.3	
Lääne-Viru	52.3	22.8	11.8	12.2	9.2	1.4	0.1	4.8	3.7	0.4	1.1	0.4	
Põlva	28.2	8.6	4.8	5.1	3.5	0	0	0.3	0.2	0	0.1	0	
Pärnu	6.6	3.5	0.8	1.3	2.2	0	0	0.6	0.4	0.3	0.2	0.1	
Rapla	12.6	4.6	4.1	3.6	1	0	0.1	1.8	1.1	0.2	0.7	0	
Saare	27.8	7.4	9.4	4.5	2.3	0.6	0.1	2.2	1.7	0.3	0.5	0.1	
Tartu	26.5	10.6	6.2	8.8	1.7	0.1	0.1	2	1.6	0.4	0.4	0.2	
Valga	2.8	1.1	0.9	0.9	0.2	0	0	0.2	0.2	0	0	0	
Viljandi	58.4	11.7	16.4	6.9	4.8	0.0	0.1	6.6	3.3	0.9	3.3	1.0	
Võru	9.1	4.2	3	1.2	2.8	0.2	0	0.5	0.4	0.1	0.1	0	

**Table A.3.3\_I.24.** Number of cattle in 2009 by counties of Estonia, 1000 heads (SE, 2011)

	Total	of which									
		cows, bulls and heifers (2 years and over)					bovine animals (aged between 1 and 2 years)				
		cows					calves (less than 1 year old)				
		dairy cows	other	bulls	heifers		total	for slaughter	for breeding	heifers	bulls
2009											
Harju	234.7	96.7	10.3	2.0	14.3	1	8.3	39.6	1.4	38.2	63.5
Hiiu	11.5	4.6	0.7	0.2	0.8	0	0.4	1.8	0.1	1.7	3.0
Ida-Viru	4.2	0.5	0.9	0.1	0.3	0.1	0.4	0.6	0.1	0.5	1.4
Jõgeva	5.8	2.2	0.3	0	0.4	0	0.3	0.9	0.2	0.7	1.7
Järva	21.8	10.5	0.4	0	0.9	0.1	0.6	4	0.2	3.8	6.6
Lääne	29.8	14.1	0.3	0.1	1.8	0	0.6	5.9	0.1	5.6	7.5
Lääne-Viru	10.1	3.0	1.3	0.3	0.8	0.3	0.5	1.4	0.1	1.4	2.8
Põlva	28.1	12.0	0.8	0.2	1.4	0.1	1	5.1	0.1	5	7.6
Pärnu	13.2	5.7	0.3	0.1	0.6	0	0.4	2.4	0	2.4	3.7
Rapla	23.5	10.8	0.9	0.1	1.7	0	0.5	4.2	0.1	4.2	5.8
Saare	16.2	5.8	1	0.2	1.1	0.3	1	2.7	0.2	2.5	4.5
Tartu	16.5	6.1	1.4	0.1	1.1	0	0.7	2.6	0.1	2.5	4.5
Valga	13.5	5.9	0.2	0.2	0.7	0.1	0.3	2.3	0	2.3	3.9
Viljandi	10.6	3.6	0.6	0.1	0.8	0	0.6	1.6	0	1.6	3.3
Võru	17.0	7.6	0.6	0.2	1.2	0	0.5	2.5	0	2.5	4.4
	10.6	4.3	0.6	0.1	0.7	0	0.5	1.6	0.1	1.5	2.8
											19.9
											1.1
											0.6
											0.6
											1.9
											1.4
											1.1
											2.5
											1
											1.4
											1.6
											1.5
											1.3
											1.3
											1.3
											1.1

**Table A.3.3\_I.25.** Swine population size in 2009 by counties of Estonia, 1000 heads (SE, 2011)

	Total	of which		fattening pigs				boars	breeding pigs, live weight more than 50 kg				
		piglets, live weight less than 20 kg	young pigs, live weight 20–50 kg	of which, live weight			sows						
				of which, live weight									
				50–80 kg	80–110 kg	more than 110 kg							
				total	50–80 kg	80–110 kg	more than 110 kg		total	covered sows	of which covered for the first time	other sows	of which gilts not yet covered
2009	365.1	120.7	94.6	115.2	68.4	36.7	10.1	0.5	34.1	24.1	4.7	10	3.5
Harju	19.7	2.3	7.3	8.7	5.4	3.3	0	0	1.4	1.2	0.3	0.2	0.1
Hiiu	2.6	0.6	1.0	0.8	0.5	0.3	0.0	0.0	0.2	0.1	0.0	0.1	0.0
Ida-Viru	2.9	0.9	0.8	0.9	0.4	0.4	0.1	0	0.3	0.3	0.1	0	0
Jõgeva	56.3	9.3	18.2	23	18.8	4	0.2	0.1	5.7	3.9	0.7	1.8	1.1
Järva	9.3	2.1	2.9	3.2	2.6	0.6	0	0	1.1	1	0	0.1	0
Lääne	1.4	0.3	0.2	0.7	0.6	0.1	0	0	0.2	0.1	0	0.1	0
Lääne-Viru	51.5	14.9	15	16.7	9.2	7.4	0.1	0.1	4.8	3.7	0.6	1.1	0.2
Põlva	6.7	1.1	1.2	3.8	2.1	1.5	0.2	0	0.6	0.4	0.1	0.2	0.1
Pärnu	7.5	1.9	1.4	3.7	1.4	2.3	0	0	0.5	0.4	0.1	0.1	0
Rapla	10.5	1.4	3.6	3.7	2.1	1.6	0	0.1	1.7	1	0.2	0.7	0.1
Saare	27.9	9.3	9	7.3	4.6	2.4	0.3	0.1	2.2	1.7	0.3	0.5	0.1
Tartu	32.7	8.6	11.2	10.6	8.3	2.1	0.2	0	2.3	1.8	0.4	0.5	0.2
Valga	2.6	0.7	0.6	1.1	0.8	0.3	0	0	0.2	0.2	0	0	0
Viljandi	122.8	63.9	17.2	29.2	10.8	9.4	9.0	0.1	12.4	7.9	1.8	4.5	1.6
Võru	10.7	3.4	5	1.8	0.8	1	0	0	0.5	0.4	0.1	0.1	0



**Table A.3.3\_I.26.** Number of cattle in 2010 by counties of Estonia, 1000 heads (SE, 2011)

	Total	of which															
		cows, bulls and heifers (2 years and over)					bovine animals (aged between 1 and 2 years)					calves (less than 1 year old)					
		cows		heifers			bulls		heifers					total	for slaughter	for breeding	
				total	for slaughter	for breeding			total	for slaughter	for breeding						
		dairy cows	other	bulls	total	for slaughter	for breeding	total	for slaughter	for breeding	total	for slaughter	for breeding	heifers	for breeding	bulls	
2010	236.3	96.5	12.1	2.3	15.0	1	14	8.1	39.6	1.4	38.2	3.1	59.6	41.7		17.9	
Harju	12.6	4.6	0.9	0.2	1.1	0.1	1	0.5	2	0.1	1.9	0.1	3.2	2.2			
Hiiu	4.3	0.6	0.9	0.1	0.4	0.1	0.3	0.4	0.6	0.1	0.5	0	1.3	0.7		0.6	
Ida-Viru	6.0	1.9	0.4	0.1	0.4	0	0.4	0.3	1	0.2	0.8	0.1	1.8	1.2		0.6	
Jõgeva	21.0	9.7	0.4	0.1	1.0	0.1	0.9	0.5	3.8	0.2	3.6	0.2	5.3	4		1.3	
Järva	30.1	13.7	0.5	0.1	1.8	0	1.8	0.6	5.8	0.1	5.7	0.3	7.3	5.9		1.4	
Lääne	10.6	3.2	1.4	0.3	1.0	0.4	0.6	0.4	1.5	0	1.5	0.2	2.6	1.6			
Lääne-Viru	28.1	12.0	1	0.2	1.8	0.1	1.7	0.9	4.9	0.1	4.8	0.2	7.1	5.1		2	
Põlva	13.5	6.3	0.3	0.1	0.6	0	0.6	0.4	2.2	0	2.2	0.2	3.4	2.4		1	
Pärnu	23.4	11.2	1.1	0.2	1.7	0	1.7	0.6	3.9	0.1	3.8	0.3	5.4	4		1.4	
Rapla	16.3	5.7	1.3	0.2	0.9	0.2	0.7	0.7	2.9	0.2	2.7	0.3	4.3	2.8		1.5	
Saare	15.6	5.5	1.5	0.1	1.1	0	1.1	0.7	2.5	0.1	2.4	0.2	4	2.7		1.3	
Tartu	15.0	7.1	0.2	0.2	0.8	0	0.8	0.3	2.5	0	2.5	0.3	3.6	2.6		1	
Valga	10.5	4.1	0.6	0.1	0.6	0	0.6	0.5	1.5	0	1.5	0.3	2.8	1.6		1.2	
Viljandi	17.9	7.7	0.8	0.2	1.1	0	1.1	0.7	2.8	0	2.8	0.2	4.4	3.1		1.3	
Võru	9.1	3.2	0.8	0.1	0.6	0	0.6	0.4	1.4	0.1	1.3	0	2.6	1.5		1.1	

**Table A.3.3\_I.27.** Swine population size in 2010 by counties of Estonia, 1000 heads (SE, 2011)

	Total	of which		fattening pigs				boars	sows		breeding pigs, live weight more than 50 kg		
		piglets, live weight less than 20 kg	young pigs, live weight 20–50 kg	of which, live weight			total		total	covered sows	of which covered for the first time	other sows	of which gilts not yet covered
				50–80 kg	80–110 kg	more than 110 kg							
2010	371.7	116.1	100.2	119.7	73.7	44.5	1.5	0.6	35.1	27	4.9	8.1	4
Harju	20	3	5.8	9.9	6.3	3.6	0	0	1.3	1	0.2	0.3	0.1
Hiiu	2.6	0.6	1.0	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ida-Viru	2.5	0.3	0.8	0.9	0.4	0.4	0.1	0	0.5	0.3	0.1	0.2	0.2
Jõgeva	55.2	10.8	20.4	18.2	16.1	2	0.1	0	5.8	4	0.8	1.8	0.9
Järva	8.9	2.2	2.6	3.1	2	1.1	0	0	1	0.9	0.1	0.1	0
Lääne	1.4	0.3	0.2	0.7	0.6	0.1	0	0.1	1	0.6	0.15	0.4	0.25
Lääne-Viru	58.7	15.4	14.9	23.4	12.5	10.8	0.1	0.1	4.9	3.3	0.5	1.6	0.3
Põlva	8.6	2.7	1.2	4.2	2.8	1.4	0	0.0	0.5	0.4	0	0.1	0
Pärnu	5.2	2.5	0.6	1.5	1	0.5	0	0.1	0.5	0.4	0	0.1	0
Rapla	10.6	2	3.6	3.3	3.3	0	0	0.1	1	0.6	0.15	0.4	0.25
Saare	28.2	8.5	10.3	7	2.3	3.8	0.9	0.1	2.3	1.9	0.3	0.4	0.1
Tartu	36.1	6.9	14.1	12.2	8.4	3.7	0.1	0.1	2.8	2	0.5	0.8	0.2
Valga	2.8	0.7	0.8	1	0.9	0.1	0	0	0.3	0.3	0.1	0	0
Viljandi	122.3	58.2	20.0	31.3	15.3	15.8	0.2	0.1	12.7	10.9	1.9	1.8	1.7
Võru	8.6	2	3.9	2.2	1.3	0.9	0	0	0.5	0.4	0.1	0.1	0

APPENDIX A.3.3\_II. MILK YIELD PER COW, FAT CONTENT OF MILK AND PERCENTAGE OF COW THAT GAVE BIRTH  
IN ESTONIA IN 1990–2010

**Table A.3.3\_II.1.** Average milk yield per cow in 1991–1993, kg/cow (Agriculture 1994)

Year	Average yield per cow, kg
1991	3,968
1992	3,530
1993	3,322

**Table A.3.3\_II.2.** Average milk yield per cow in 1994–2010, kg/cow/year (Agriculture 1994–2005; SE, 2011)

Country	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Average yield per cow, kg	3,455	3,588	3,809	4,484	4,456	4,049	4,652	5,313	5,138	5,231	5,596	5,886	6,285
Harju county	3,016	3,027	3,301	3,775	4,137	3,831	3,951	4,843	4,588	4,816	5,141	5,756	5,937
Hiiu county	2,566	2,498	2,669	3,079	3,132	3,964	4,540	5,603	4,589	4,663	4,510	4,987	4,720
Ida-Viru county	2,374	2,143	2,449	2,960	3,320	3,397	4,057	4,425	4,767	4,593	4,706	5,492	5,612
Jõgeva county	3,399	3,596	3,769	3,870	4,731	4,218	4,960	5,392	5,461	5,362	5,744	6,188	6,715
Järva county	4,066	4,224	4,458	5,020	5,399	4,751	5,375	6,216	6,057	6,058	6,243	6,330	6,900
Lääne county	2,520	2,513	2,742	3,017	3,297	3,494	3,513	4,039	4,111	4,223	4,558	4,731	5,343
Lääne-Viru county	3,548	3,418	3,950	4,394	4,721	4,061	4,685	5,420	5,291	5,391	5,954	6,205	6,542
Põlva county	3,134	3,616	4,111	4,684	4,874	4,517	5,040	6,310	5,868	6,213	6,180	6,506	7,123
Pärnu county	3,220	3,256	3,380	3,666	4,210	3,736	4,451	5,005	4,920	4,986	5,373	5,806	6,326
Rapla county	3,088	3,301	3,763	4,077	4,673	4,301	4,767	5,232	5,047	5,066	5,809	6,105	6,101
Saare county	2,732	2,573	2,894	3,330	3,657	3,817	4,071	5,162	4,341	4,496	5,034	5,113	5,464
Tartu county	3,337	3,417	3,785	4,089	4,457	3,767	4,898	5,099	5,028	5,556	6,070	6,423	6,812
Valga county	2,553	2,776	2,961	3,135	3,384	3,076	3,496	4,089	4,503	3,866	4,878	5,259	5,598
Viljandi county	3,143	2,865	3,140	3,544	3,829	3,406	4,167	4,921	4,918	4,663	4,894	5,098	5,436
Võru county	3,126	3,188	3,431	3,747	3,972	3,581	3,880	4,982	4,893	4,996	5,070	5,481	5,810

**Table A.3.3 II.2.** Average milk yield per cow in 1994–2010, kg/cow/year (continued)

Country	2007	2008	2009	2010
Average yield per cow, kg	6,484	6,781	6,838	7,021
Harju county	6,019	6,396	6,359	6,402
Hiiu county	4,687	4,646	5,052	4,520
Ida-Viru county	5,438	6,053	6,039	6,334
Jõgeva county	6,812	7,119	7,058	7,230
Järva county	7,045	7,164	7,048	7,254
Lääne county	5,512	6,295	6,281	6,368
Lääne-Viru county	6,823	7,096	7,139	7,390
Põlva county	7,339	7,562	7,581	7,671
Pärnu county	6,407	6,651	6,733	6,948
Rapla county	6,325	6,796	7,078	7,355
Saare county	5,619	5,844	6,008	6,243
Tartu county	7,103	7,880	8,019	7,997
Valga county	5,870	5,851	5,926	6,127
Viljandi county	5,932	6,205	6,530	6,784
Võru county	6,281	6,319	6,493	6,461

**Table A.3.3 II.3.** Average fat content of milk in Estonia in 1990–1997, % (EARC, 2011)<sup>1</sup>

Year	Fat content, %
1990	4.18
1991	4.14
1992	4.07
1993	4.10
1994	4.12
1995	4.20
1996	4.34
1997	4.32

<sup>1</sup> Results of animal recording in Estonia in 1997–2010. Annual Reports. Available at: [www.jkkesus.ee/page.php?page=0147](http://www.jkkesus.ee/page.php?page=0147).

**Table A.3.3 II.4.** Average fat content of milk in Estonia in 1998–2010 by county of Estonia, % (EARC, 2011)<sup>2</sup>

Country	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Average yield per cow, kg	4.26	4.23	4.29	4.31	4.29	4.31	4.27	4.21	4.17	4.15	4.12	4.14	4.11
Harju county	4.25	4.23	4.31	4.38	4.32	4.34	4.29	4.27	4.21	4.18	4.14	4.17	4.11
Hiiu county	4.46	4.40	4.25	4.29	4.38	4.38	4.26	4.19	4.24	4.28	4.34	4.44	4.41
Ida-Viru county	4.32	4.33	4.31	4.29	4.21	4.25	4.23	4.09	4.06	4.08	4.08	4.09	4.07
Jõgeva county	4.37	4.32	4.36	4.39	4.46	4.46	4.30	4.28	4.24	4.20	4.18	4.17	4.14
Järva county	4.18	4.19	4.25	4.25	4.23	4.29	4.27	4.17	4.14	4.11	4.08	4.09	4.07
Lääne county	4.36	4.24	4.34	4.36	4.28	4.27	4.28	4.25	4.28	4.28	4.24	4.29	4.2
Lääne-Viru county	4.18	4.14	4.19	4.21	4.19	4.20	4.16	4.11	4.07	4.03	4.02	4.01	4.01
Põlva county	4.29	4.24	4.28	4.38	4.33	4.30	4.30	4.23	4.14	4.11	4.09	4.08	4.14
Pärnu county	4.23	4.20	4.36	4.41	4.32	4.35	4.33	4.27	4.20	4.19	4.16	4.17	4.12
Rapla county	4.23	4.16	4.21	4.27	4.19	4.20	4.21	4.11	4.05	4.06	4.00	4.12	4.18
Saare county	4.46	4.40	4.38	4.36	4.40	4.40	4.38	4.27	4.26	4.23	4.17	4.22	4.15
Tartu county	4.3	4.26	4.25	4.28	4.32	4.28	4.28	4.22	4.19	4.13	4.08	4.09	4.02
Valga county	4.25	4.18	4.27	4.30	4.25	4.26	4.29	4.21	4.19	4.22	4.25	4.29	4.17
Viljandi county	4.28	4.19	4.32	4.31	4.31	4.39	4.31	4.26	4.27	4.26	4.21	4.22	4.12
Võru county	4.22	4.25	4.35	4.33	4.34	4.32	4.25	4.26	4.28	4.29	4.21	4.29	4.24

**Table A.3.3 II.5.** Percentage of cow that gave birth in 1990–1998, %

Year	%
1990	80.0
1991	80.0
1992	80.0
1993	80.0
1994	80.0
1995	80.0
1996	95.8
1997	94.9

<sup>2</sup> Results of animal recording in Estonia in 1997–2010. Annual Reports. Available at: [www.jkkesus.ee/page.php?page=0147](http://www.jkkesus.ee/page.php?page=0147).

**Table A.3.3 II.6.** Percentage of cow that gave birth in 1998–2010 by county of Estonia, %

Country	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
The average of Estonia	97.1	81.3	76.9	76.3	82.8	81.3	81.7	84.0	92.2	88.4	89.2	93.3	93.0
Häriju county	100.0	75.2	67.1	78.0	77.4	68.2	81.2	70.9	79.5	78.3	86.8	94.4	93.8
Hiiu county	69.3	63.0	64.6	66.8	53.7	68.9	63.5	73.2	78.4	73.0	64.3	82.4	78.5
Ida-Viru county	59.6	60.0	64.1	55.3	81.8	85.2	70.6	82.3	75.7	82.1	90.4	89.2	94.3
Jõgeva county	100.0	100.0	89.7	81.6	91.1	87.9	89.3	89.8	100.0	98.9	91.5	93.5	98.4
Järva county	100.0	90.0	85.9	89.4	88.8	90.9	85.4	75.7	99.7	94.2	94.8	98.8	100.0
Lääne county	74.0	65.5	66.5	62.6	73.5	77.3	72.1	86.4	99.3	99.1	92.4	97.2	82.8
Lääne-Viru county	100.0	87.4	92.0	85.5	88.2	88.7	89.8	91.6	95.9	91.5	91.5	95.3	90.7
Põlva county	87.3	85.0	71.5	75.9	85.8	86.7	80.7	89.0	92.9	87.3	94.8	100.0	98.9
Pärnu county	100.0	87.7	78.1	81.5	84.8	79.8	77.8	82.5	88.1	89.1	90.6	88.1	82.7
Rapla county	98.6	80.5	80.1	78.4	82.3	86.3	87.0	86.7	77.6	81.6	91.8	94.2	97.3
Saare county	78.6	76.0	67.6	77.1	86.3	76.7	86.1	85.9	87.1	85.4	84.8	88.9	95.7
Tartu county	90.2	76.0	77.7	70.9	69.6	79.3	75.1	94.2	100.0	92.1	92.2	100.0	83.5
Valga county	89.5	68.1	66.2	58.7	80.6	59.9	68.6	76.9	94.9	87.2	83.4	90.6	85.6
Viljandi county	99.4	73.9	67.3	64.0	80.3	71.1	80.9	89.3	97.4	88.4	87.7	89.7	92.8
Võru county	73.0	63.9	58.6	54.6	67.9	75.9	69.0	75.2	83.8	78.1	77.1	71.7	100.0

### APPENDIX A.3.3\_III. WEIGHT OF DAIRY CATTLE BY CATTLE BREED IN ESTONIA IN 1990–2010

**Table A.3.3\_III.1.** Average weight of dairy cattle by breed in Estonia in 1990–2010

Year	Population by dairy-cattle breed				Average weight of cows, kg
	Estonian Red	Estonian Holstein	Estonian Native	Total number in Registry	
Typical weight, kg	550	600	410		
1990	121,125	125,235	566	246,926	575.0
1991	107,873	121,077	549	229,499	576.0
1992	94,610	116,722	577	211,909	577.2
1993	74,543	106,033	563	181,139	578.8
1994	59,691	91,676	564	151,931	579.7
1995	49,285	79,767	555	129,607	580.2
1996	43,537	74,968	570	119,075	580.8
1997	40,118	74,186	535	114,839	581.6
1998	38,705	77,717	504	116,926	582.6
1999	33,820	75,589	472	109,881	583.8
2000	29,875	71,799	443	102,117	584.5
2001	27,981	73,173	481	101,635	585.3
2002	26,726	74,733	507	101,966	585.9
2003	26,314	74,981	490	101,785	586.2
2004	26,571	73,781	538	100,890	585.8
2005	26,607	73,261	537	100,405	585.7
2006	25,348	72,894	544	98,786	586.1
2007	23,842	70,816	514	95,172	586.4
2008	22,357	69,599	517	92,473	586.8
2009	20,578	68,058	475	89,111	587.4
2010	19,724	67,904	461	88,089	587.8

**Table A.3.3\_III.2.** Weight of non-dairy cattle used in the estimates

Cattle category	Weight, kg
Manure non-dairy cattle <sup>3</sup> :	
...Mature Females	500
...Mature Males	600
Bovine animals (aged between 1 and 2 years) <sup>4</sup>	400
Calves (less than 1 year old) <sup>5</sup>	230

<sup>3</sup> Dairy Cattle – Table A-1 and Non-dairy cattle – Table A-2 of the 1996 Revised IPCC guidelines, pp. 4.42-4.43 (for Eastern European countries).

<sup>4</sup> Bovine animals – Table A-2 of the 1996 Revised IPCC guidelines, pp. 4.42-4.43 (replacement/growing cattle of Western European countries).

<sup>5</sup> Calves – Table A-2 of the 1996 Revised IPCC guidelines, pp. 4.42-4.43 (young cattle of Eastern European countries).

**Table A.3.3\_III.4.** Weight of main swine categories used in the estimates

Swine category	Weight, kg
Piglets, live weight less than 20 kg	10
Young pigs, live weight 20–<50 kg	35
Fattening pigs	
...live weight 50–<80 kg	65
...live weight 80–<110 kg	95
...live weight 110 kg or more	110
Breeding pigs, live weight 50 kg or more	75



#### APPENDIX A.3.3\_IV. MANURE MANAGEMENT SYSTEMS

**Table A.3.3\_IV.1.** The ratio of agricultural holding, which depasture cattle livestock, by size of cattle herds (Taustauuring, 2009)

Cattle herd size	Agricultural holding keeping...		
	Dairy cows	Mature cattle	Young cattle
less than 20 cattle	100	100	97
20...99 cattle	89	79	89
101...199 cattle	96	92	96
200...399 cattle	89	56	89
more than 400 cattle	95	86	94

**Table A.3.3\_IV.2.** Number of grazing days by category of livestock

Livestock category	Number of grazing days	Reference
Cattle	160	Taustauuring, 2009, p. 35
Sheep	180	Taustauuring, 2009, p. 32
Goats	180	Taustauuring, 2009, p. 32
Horses	150	Taustauuring, 2009, p. 33

**Table A.3.3\_IV.3.** Nitrogen content of feed, % (Kaasik et al., 2002)

Cattle category	Nitrogen content of feed, %
Dairy cattle	2.4
Mature females	1.6
Mature males	2.3
Bovine animals (aged between 1 and 2 years)	2.3
Calves (less than 1 year old)	1.7

**Table A.3.3\_IV.4.** The content of N in milk, body weight and embryo (Standard Values..., 1997)

	Nitrogen, g/kg
	Dairy cattle
Weight gain	25.6
Embryo	29.6
	Young cattle
Weight gain	29.6

APPENDIX A.3.3\_V. SYNTHETIC FERTILIZERS APPLIED ON AGRICULTURAL SOILS IN ESTONIAN IN 1990–2010

**Table A.3.3\_V.1.** Amounts of synthetic fertilizers applied on agricultural soils, tonnes (SE, 2011)

Year	Use of mineral fertilizers (nitrogen) for..						Total
	cereals	industrial crops	potatoes	forage crops	open-field vegetables and in greenhouses	orchards	
1990	28,882	108	1,739	40,990	218	102	72,039
1991	30,510	105	1,680	37,091	283	155	69,824
1992	26,257	217	3,028	26,882	641	1,335	58,360
1993	13,168	146	1,457	14,667	337	174	29,949
1994	10,870	216	1,262	13,167	430	123	26,068
1995	9,830	542	300	7,667	457	109	18,905
1996	9,605	443	561	5,775	46	130	16,560
1997	13,053	400	545	6,213	101	159	20,471
1998	15,198	858	565	8,008	196	107	24,932
1999	12,255	1,397	481	5,551	84	127	19,895
2000	14,589	1,655	577	5,373	88	114	22,396
2001	12,023	1,703	507	5,178	115	77	19,603
2002	10,056	1,629	190	4,502	73	250	16,700
2003	14,332	4,146	261	4,260	150	106	23,255
2004	15,262	4,257	488	4,424	342	60	24,833
2005	11,108	2,045	357	6,288	189	96	20,083
2006	13,078	3,320	473	5,304	203	232	22,610
2007	14,069	3,928	455	6,217	147	166	24,982
2008	22,049	7,639	228	5,316	160	63	35,455
2009	16,517	7,516	302	2,702	238	22	27,328
2010	16,200	7,169	257	4,449	454	58	28,587

# APPENDIX A.3.3\_VI. PRODUCTION OF CROPS IN ESTONIA IN 1990–2010

**Table A.3.3\_VI.1.** Production of field crops in 1990–2009, 1000 tonnes (SE, 2011)

Year	Cereals	Legumes	Flax stalks	Oil flacks seed	Sugar beet	Rape seed	Vegetables and greens	...green peas	Potatoes	Forage roots
1990	957.3	0.2	1.9	..	0	1.1	105	0	618.1	534.8
1991	939.2	0.2	0	..	0.6	1.1	120.5	0	592.1	493.8
1992	598.1	0.4	0	..	3	2.3	78.4	0	669.1	176.8
1993	810.7	0.7	0	..	2.6	1.7	70	0	538.6	198.5
1994	510.4	1.1	0.3	..	10.6	2.2	78	0.2	563	216.3
1995	513.5	6.3	0.2	..	12.7	7	56.8	0.1	537.4	240.8
1996	629.2	13.8	0.2	..	2.4	10	54.7	0.1	500.2	180.8
1997	650.5	17	0.1	..	0.5	9.6	52.3	0.1	437.5	146.8
1998	576.2	8.3	0	..	0	17.9	50.2	0.1	316.7	96.7
1999	401.6	3.1	0.1	..	0	29.8	44.7	0.1	403.7	58.4
2000	696.6	6.6	0.1	0.1	0	38.6	53.3	0.1	471.7	49.5
2001	558.4	6.5	0.1	0.1	0	41.3	54	0.1	343.1	36.1
2002	524.7	5	0.1	0.1	0	63.9	39.3	0.3	210.9	7.3
2003	505.7	5	0	0.1	0	69.2	57.5	0.1	244.4	7.2
2004	608.1	3.3	0	0.1	0	68.6	53.6	0.2	166.5	6.7
2005	760.1	5.7	0	0.2	0	83.1	62.7	0.1	209.8	3.1
2006	619.3	5.5	0	0.1	0	84.6	61.3	0.2	152.6	2
2007	879.5	9.5	0	0.2	0	133.3	71.6	0.1	191.8	3.4
2008	864.2	3.3	..	0.2	..	111.1	64.5	0.1	125.2	0.4
2009	873.5	7.6	0	0.2	0	136	70.6	0.2	139.1	0.7
2010	678.4	12.6	0	0.2	0	131	73.9	0.1	163.4	0.3

**Table A.3.3\_VI.2.** Sown area of field crops in 1990–2010, 1000 ha (SE, 2011)

Year	Cereals	Legumes	Industrial crops	Open-field vegetables	..green peas	Potatoes	Fodder roots
1990	397	0.1	3.2	5.2	0	45.5	11.1
1991	418.1	0.1	3	5.7	0	52.2	12.3
1992	423.1	0.4	4.7	5.1	0.1	46.3	11.8
1993	375.1	0.4	2.1	4.6	0	42.6	11.4
1994	319.5	0.7	3.6	4.4	0	39.9	12
1995	304.3	3.7	7.3	4.6	0	36.9	10.8
1996	288.8	5.8	9.5	4.2	0	35.3	8.8
1997	326.6	8.7	9	3.9	0	35.2	6.9
1998	354.1	6.4	17.8	4.2	0	32.6	4.7
1999	321	2.9	24.6	3.9	0.1	31.1	3.5
2000	329.3	3.9	29.1	3.8	0	30.9	2.5
2001	274.1	3.7	28.3	3.3	0.1	22.1	1.4
2002	259.2	2.4	33.2	3	0.1	16	0.4
2003	263.2	4.4	46.7	3.4	0.1	17	0.3
2004	261	4.3	50.6	3.5	0.1	16.1	0.2
2005	282.1	4.4	47.1	3	0.1	14	0.2
2006	280.3	4.6	62.9	2.8	0.1	11.5	0.1
2007	292.3	5.7	74.7	2.8	0.1	11.1	0.2
2008	309.3	4.8	78.5	2.4	0.1	8.7	0.1
2009	316.4	4.9	83.4	2.8	0.1	9.1	0.1
2010	275.3	7.3	99.3	2.8	0.1	9.4	0.1

**Table A.3.3\_VI.3.** Average yields of field crops by field crop in 1990–2010, kg/ha (SE, 2011)

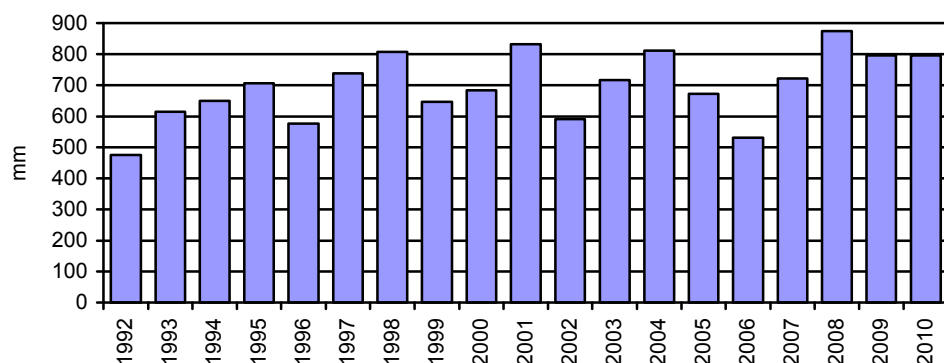
Year	Cereals	Legumes	Flax stalks	Oil flacks seed	Rape seed	Potatoes	Fodder roots
1990	2,411	1,370	950	..	1,780	13,600	48,020
1991	2,247	1,310	2,260	..	991	11,340	40,050
1992	1,414	920	970	..	799	14,450	14,950
1993	2,161	1,550	1,540	..	1,324	12,640	17,350
1994	1,597	1,619	841	..	819	14,096	18,069
1995	1,687	1,711	870	..	1,165	14,559	22,429
1996	2,179	2,398	1,432	..	1,170	14,176	20,651
1997	1,992	1,945	198	..	1,216	12,415	21,333
1998	1,627	1,303	0	..	1,024	9,729	20,297
1999	1,251	1,044	513	..	1,232	12,970	16,489
2000	2,115	1,706	577	267	1,339	15,281	19,596
2001	2,037	1,780	1,180	931	1,499	15,503	25,838
2002	2,024	2,115	1,971	916	1,944	13,160	18,087
2003	1,922	1,131	..	532	1,494	14,393	21,809
2004	2,330	757	..	831	1,362	10,342	30,825
2005	2,694	1,282	..	1,282	1,781	15,028	19,686
2006	2,210	1,198	..	676	1,354	13,261	24,650
2007	3,009	1,668	..	1,169	1,812	17,195	18,934
2008	2,794	691	..	960	1,431	14,315	12,882
2009	2,761	1,547	0	742	1,657	15,275	19,917
2010	2,464	1,713	0	908	1,334	17,456	5,460

**Table A.3.3\_VI.3.** Production, sown area and yields of clover and alfalfa in 1990–2010 in Estonia (SE, 2011)

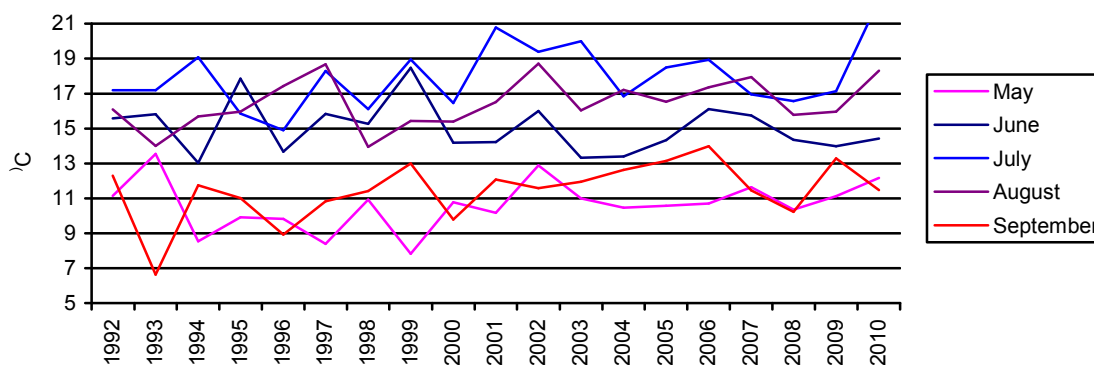
Year	Production, 1000 tonnes		Sown area, 1000 ha		Average yields, k/ha	
	Clover (at least >80%)	Alfalfa (at least >80%)	Clover (at least >80%)	Alfalfa (at least >80%)	Clover (at least >80%)	Alfalfa (at least >80%)
1990	3,034.2 <sup>(6)</sup>	253.5	224.1 <sup>(7)</sup>	19.6	13.54 <sup>(8)</sup>	12.94
1991	3,034.2	253.5	224.1	19.6	13.54	12.94
1992	2,920.5	227.7	215.7	17.6	13.54	12.94
1993	2,710.7	210.8	200.2	16.3	13.54	12.94
1994	1,829.2	139.7	135.1	10.8	13.54	12.94
1995	1,589.6	122.9	117.4	9.5	13.54	12.94
1996	1,437.9	157.8	106.2	12.2	13.54	12.94
1997	1,015.5	157.8	75.0	12.2	13.54	12.94
1998	1,600.4	165.6	118.2	12.8	13.54	12.94
1999	980.3	159.1	72.4	12.3	13.54	12.94
2000	736.6	188.9	54.4	14.6	13.54	12.94
2001	649.9	106.1	48.0	8.2	13.54	12.94
2002	617.4	124.2	45.6	9.6	13.54	12.94
2003	379.1	111.2	28.0	8.6	13.54	12.94
2004	482.0	143.9	34.5	11.0	13.97	13.08
2005	633.5	176.6	37.7	12.0	16.80	14.72
2006	381.4	139.8	36.2	12.9	10.54	10.84
2007	638.8	165.8	50.8	12.6	12.57	13.16
2008	697.8	181.0	46.8	13.1	14.91	13.82
2009	583.0	142.1	42.5	10.7	13.72	13.28
2010	607.1	128.2	49.5	11.0	12.26	11.65

<sup>6</sup> The production quantities for 1990–2003 were calculated based on the sown areas and the average yields.<sup>7</sup> The data of 1991.<sup>8</sup> The yields of 1990–2003 were extrapolated based on the yield values of 2004–2010.

### APPENDIX A.3.3\_VII. AVERAGE MONTHLY TEMPERATURE AND PRECIPITATION IN ESTONIA IN 1992–2010



**Figure A.3.3\_VII.1.** Total precipitation from May to September in Estonia in 1992–2010, mm (SE, 2011)



**Figure A.3.3\_VII.2.** Average monthly temperature in May-September in Estonia in 1992–2010, °C (SE, 2011)

#### A.3.4. LULUCF

No additional information.

#### A.3.5. Waste

No additional information.

#### A.3.6. KP-LULUCF

No additional information.