

ANNEX 9. Additional information for the Agriculture sector

Table A_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 A_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_I.3. Total dairy-cattle population size in 1994–1998 by counties of Estonia, 1000 heads

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_I.4. Number of cattle in 1999 by counties of Estonia, 1000 heads

	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	
		cows	dairy cows	other		total	for slaughter	for breeding	total	for slaughter	for breeding	total	for slaughter
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
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	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
ENTERPRISES	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
1999	0.8	0.3	0.0	0.0	0.1	0.0	0.1	0.0	0.2	-	0.2	0.2	0.0
Harju	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
Hiiu	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
Ida-Viru	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
Jõgeva	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
Järva	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
Lääne	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
Lääne-Viru	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
Põlva	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
Pärnu	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
Rapla	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
Saare	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
Tartu	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
Valga	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
Viljandi	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
Võru	8.9	4.3	0.1	0.5	1.3	0.1	1.2	2.4	7.2	0.5	6.7	14.4	1.8
PRIVATE FARMS	3.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	3.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

	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	1.0	...	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	1.2	...	0.2	0.5	...	...	1.2	...	...	...
Viljandi	7.1	4.2	...	0.0	0.2	1.6	...	0.2	0.9	...	...	1.6	...	...	...
Võru	3.4	1.8	...	0.0	0.1	0.8	...	0.2	0.5	...	...	0.8	...	...	...
HOUSEHOLD															
PLOTS															
1999	44.3	26.3	0.0	0.4	1.0	0.1	0.9	1.6	4.9	0.3	4.6	10.1	1.3	6.2	2.6
Harju	2.2	1.6	...	0.0	0.1	...	...	0.0	0.1	...	...	0.4	...	...	...
Hiiu	0.7	0.4	...	0.0	0.0	...	...	0.0	0.1	...	...	0.2	...	...	...
Ida-Viru	2.2	1.5	...	0.0	0.0	...	...	0.1	0.2	...	...	0.4	...	...	...
Jõgeva	2.6	1.5	...	0.0	0.0	...	...	0.1	0.3	...	...	0.7	...	...	...
Järva	1.9	1.0	...	0.0	0.1	...	...	0.1	0.2	...	...	0.5	...	...	...
Lääne	3.8	2.1	...	0.0	0.1	...	...	0.2	0.5	...	...	0.9	...	...	...
Lääne-Viru	2.7	1.7	...	0.0	0.1	...	...	0.0	0.2	...	...	0.7	...	...	...
Põlva	1.9	1.2	...	0.0	0.0	...	...	0.1	0.2	...	...	0.4	...	...	...
Pärnu	5.1	3.3	...	0.0	0.2	...	...	0.2	0.5	...	...	0.9	...	...	...
Rapla	4.1	2.6	...	0.0	0.1	...	...	0.1	0.5	...	...	0.8	...	...	...
Saare	4.7	2.6	...	0.1	0.1	...	...	0.2	0.5	...	...	1.2	...	...	...
Tartu	3.1	1.8	...	0.0	0.0	...	...	0.1	0.4	...	...	0.7	...	...	...
Valga	2.0	1.1	...	0.0	0.0	...	...	0.1	0.4	...	...	0.4	...	...	...
Viljandi	4.0	2.0	...	0.1	0.1	...	...	0.2	0.5	...	...	1.1	...	...	...
Võru	3.3	1.9	...	0.1	0.1	...	...	0.1	0.3	...	...	0.8	...	...	...

Table A_I.5. Swine population size in 1999 by counties of Estonia, 1000 heads (Agriculture 1999)

	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		boars	sows			other sows	of which gilts not yet covered	
					50–80 kg	80–110 kg		total	covered sows	of which covered for the first time			
													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	total	of which, live weight			boars		sows		other sows	of which gilts not yet covered
					50–80 kg	80–110 kg	more than 110 kg		total				
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	...	...	...	...	...
Pärnu	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	1.2	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	...	...	...	...
Pärnu	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_I.6. Number of cattle in 2000 by counties of Estonia, 1000 heads (Agriculture 2000)

	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	total	for slaughter	for breeding																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		cows		bulls			heifers		total		for slaughter		for breeding																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		dairy cows	other cows																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
COUNTRY TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

	Total	of which												
		cows, bulls and heifers (2 years and over)					bovine animals (aged between 1 and 2 years)							
		cows		heifers			bulls		heifers	calves (less than 1 year old)				
											total	for slaughter	for breeding	
Maakonnad														
Countries														
Harju	3.3	2.4	...	0.0	0.1	...	0.1	0.2	...	...	0.4	...	...	...
Hiiu	1.2	0.6	...	0.0	-	...	0.2	0.1	...	...	0.3	...	...	...
Ida-Viru	1.8	0.8	...	0.0	0.1	...	0.1	0.4	...	...	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	...	0.2	0.4	...	...	0.9	...	...	...
HOUSEHOLD PLOTS														
2000	43.5	25.8	0.3	0.2	1.0	0.1	2.1	4.4	0.2	4.2	9.7	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_I.7. Swine population size in 2000 by counties of Estonia, 1000 heads (Agriculture 2000)

	Total	of which		young pigs, live weight 20–50 kg				fattening pigs			boars		sows		breeding pigs, live weight more than 50 kg		
		piglets, live weight less than 20 kg	total	young pigs, live weight 20–50 kg	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	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				
2000	19.8	4.8	5.9	6.5	...	...	...	...	2.5	...	...	...	...
Harju	0.7	-	0.2	0.5	...	...	...	...	0.0	...	...	...	...
Hiiu	5.3	1.3	1.9	1.4	...	...	...	...	0.6	...	...	...	...
Ida-Viru	25.1	6.4	7.9	7.7	...	...	...	...	3.0	...	...	...	...
Jõgeva	32.2	8.6	7.0	12.0	...	...	...	...	4.3	...	...	...	...
Järva	9.0	1.6	2.4	4.0	...	...	...	...	0.9	...	...	...	...
Lääne	40.0	8.3	10.6	17.8	...	...	...	...	3.1	...	...	...	...
Lääne-Viru	8.9	2.6	1.7	3.7	...	...	...	...	0.8	...	...	...	...
Põlva	10.8	1.6	4.0	3.3	...	...	...	...	1.7	...	...	...	...
Pärnu	24.2	8.0	4.8	6.9	...	...	...	...	4.2	...	...	...	...
Rapla	16.1	4.6	4.1	5.3	...	...	...	...	2.0	...	...	...	...
Saare	25.1	6.2	6.0	10.4	...	...	...	...	2.3	...	...	...	...
Tartu	6.3	1.6	1.5	2.4	...	...	...	...	0.8	...	...	...	...
Valga	71.3	24.3	20.8	14.7	...	...	...	...	11.4	...	...	...	...
Viljandi	5.4	1.3	0.7	2.4	...	...	...	...	1.0	...	...	...	...
Võru	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		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		total	covered sows	of which covered for the first time	other sows	of which gilts not yet covered			
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	...	...	...	...	...	...	...	...
Pärnu	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	...	...	...	...	...	...	...	...
Pärnu	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_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			bulls		heifers			total		for slaughter			for slaughter		
		dairy	cows	dairy	cows	other	total	for slaughter	for breeding	total	for slaughter	for breeding	total	for slaughter	for breeding	total	for slaughter	for breeding	total
2001 TOTAL	260.5	128.6	0.8	1.2	11.2	0.4	10.8	11.1	37.7	3.6	34.1	69.9	16.8	38.9	14.2				
Harju	18.1	8.9	0.1	0.0	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	0.0	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	0.0	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	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	0.1	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	0.2	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	0.3	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	0.1	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	0.1	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	0.1	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	0.0	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	0.1	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	0.0	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	0.1	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	0.1	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	1.2	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	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	0.6	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	0.0	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	0.0	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	0.0	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	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	0.1	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	0.2	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	0.3	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	0.1	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	0.1	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	0.1	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	0.0	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	0.1	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	0.0	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	0.1	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	0.1	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	0.0	0.1	0.0	0.1	0.1	0.3	0.0	0.3	0.7	0.2	0.4	0.1				

Table A_I.9. Swine population size in 2001 by counties of Estonia, 1000 heads

	Total	of which											
		piglets, live weight less than 20 kg	young pigs, live weight 20–50 kg	fattening pigs				breeding pigs, live weight more than 50 kg					
				total	of which, live weight			boars	sows				
					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
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_I.10. Number of cattle in 2002 by counties of Estonia, 1 000 heads (Agriculture 2002)

	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	
		dairy cows	other cows																				
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	0.1	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_I.11. Swine population size in 2002 by counties of Estonia, 1000 heads (Agriculture 2002)

	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 gilts not yet covered		
				total	80–110 kg			total	covered sows	of which covered for the first time		other sows	
					50–80 kg	more than 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_I.12. Number of cattle in 2003 by counties of Estonia, 1000 heads (Agriculture 2003)

	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)					bulls					heifers					total		
	cows		other			bulls		heifers			total		for slaughter			for breeding		
	dairy cows																heifers	for breeding
COUNTRY TOTAL	257.2	116.8	2.0	0.8	12.5	0.4	12.1	12.6	40.2	1.7	38.5	72.3	7.3	42.7	22.3			
2003	19.3	8.6	0.3	0.0	0.8	0.0	0.8	1.0	3.2	0.2	3.0	5.4	0.4	3.3	1.7			
Harju	2.8	0.9	0.1	0.1	0.3	0.0	0.3	0.2	0.4	0.1	0.3	0.8	0.0	0.5	0.3			
Hiiu	6.6	2.6	0.0	0.0	0.3	0.0	0.3	0.5	0.9	0.1	0.8	2.3	0.5	0.9	0.9			
Ida-Viru	26.0	11.3	0.1	0.0	1.1	0.0	1.1	1.1	4.2	0.0	4.2	8.2	1.2	4.2	2.8			
Jõgeva	35.1	17.9	0.1	0.0	1.4	0.0	1.4	0.9	5.8	0.0	5.8	9.0	1.1	6.4	1.5			
Järva	11.5	3.5	0.1	0.2	1.5	0.0	1.5	1.3	1.6	0.2	1.4	3.3	0.8	1.5	1.0			
Lääne	28.9	12.6	0.0	0.2	1.2	0.1	1.1	2.0	4.5	0.1	4.4	8.4	0.2	4.9	3.3			
Lääne-Viru	13.5	6.6	0.5	0.0	0.5	0.0	0.5	0.4	2.2	0.0	2.2	3.3	0.3	2.5	0.5			
Põlva	24.9	12.7	0.1	0.0	1.6	0.2	1.4	1.0	3.8	0.1	3.7	5.7	0.5	4.0	1.2			
Pärnu	19.0	7.9	0.3	0.2	0.5	0.0	0.5	1.0	2.6	0.0	2.6	6.5	0.2	3.4	2.9			
Rapla	14.7	7.1	0.0	0.0	1.0	0.1	0.9	0.9	2.0	0.4	1.6	3.7	0.4	2.5	0.8			
Saare	14.9	7.1	0.0	0.0	0.6	0.0	0.6	0.5	2.6	0.0	2.6	4.1	0.2	2.5	1.4			
Tartu	11.8	5.0	0.1	0.0	0.4	0.0	0.4	0.4	2.0	0.0	2.0	3.9	0.3	1.2	1.4			
Valga	19.6	9.2	0.0	0.1	0.9	0.0	0.9	1.1	3.0	0.3	2.7	5.3	0.2	3.3	1.8			
Viljandi	8.6	3.8	0.3	0.0	0.4	0.0	0.4	0.3	1.4	0.2	1.2	2.4	0.0	1.6	0.8			
Võru	253.7	115.2	2.0	0.8	12.3	0.3	12.0	12.3	39.8	1.6	38.2	71.3	7.0	42.3	22.0			
Agricultural holdings	89.9	39.5	0.9	0.4	4.8	0.1	4.7	4.7	14.0	0.8	13.2	25.6	2.7	14.8	8.1			
natural persons	163.8	75.7	1.1	0.4	7.5	0.2	7.3	7.6	25.8	0.8	25.0	45.7	4.3	27.5	13.9			
legal persons	19.0	8.5	0.3	0.0	0.8	0.0	0.8	1.0	3.1	0.2	2.9	5.3	0.4	3.2	1.7			
Harju	2.7	0.9	0.1	0.1	0.3	0.0	0.3	0.2	0.3	0.1	0.2	0.8	0.0	0.5	0.3			
Hiiu	6.3	2.5	0.0	0.0	0.3	0.0	0.3	0.4	0.9	0.1	0.8	2.2	0.5	0.8	0.9			
Ida-Viru	25.8	11.1	0.1	0.0	1.1	0.0	1.1	1.1	4.2	0.0	4.2	8.2	1.2	4.2	2.8			
Jõgeva	34.7	17.7	0.1	0.0	1.4	0.0	1.4	0.8	5.8	0.0	5.8	8.9	1.1	6.3	1.5			
Järva	11.4	3.4	0.1	0.2	1.5	0.0	1.5	1.3	1.6	0.2	1.4	3.3	0.8	1.5	1.0			
Lääne	28.6	12.5	0.0	0.2	1.1	0.1	1.0	2.0	4.5	0.1	4.4	8.3	0.2	4.9	3.2			
Lääne-Viru	13.3	6.5	0.5	0.0	0.5	0.0	0.5	0.4	2.1	0.0	2.1	3.3	0.3	2.5	0.5			
Põlva	24.7	12.6	0.1	0.0	1.6	0.2	1.4	1.0	3.8	0.1	3.7	5.6	0.4	4.0	1.2			
Pärnu	18.8	7.8	0.3	0.2	0.5	0.0	0.5	1.0	2.6	0.0	2.6	6.4	0.2	3.4	2.8			
Rapla	14.5	7.1	0.0	0.0	0.9	0.0	0.9	0.9	2.0	0.4	1.6	3.6	0.4	2.5	0.7			
Saare	14.6	7.0	0.0	0.0	0.6	0.0	0.6	0.4	2.6	0.0	2.6	4.0	0.2	2.4	1.4			
Tartu	11.6	4.9	0.1	0.0	0.4	0.0	0.4	0.4	2.0	0.0	2.0	3.8	1.2	1.2	1.4			
Valga	19.2	9.0	0.0	0.1	0.9	0.0	0.9	1.1	2.9	0.2	2.7	5.2	0.1	3.3	1.8			
Viljandi	8.5	3.7	0.3	0.0	0.4	0.0	0.4	0.3	1.4	0.2	1.2	2.4	0.0	1.6	0.8			
Võru	3.5	1.6	0.0	0.0	0.2	0.1	0.1	0.3	0.4	0.1	0.3	1.0	0.3	0.4	0.3			
Agricultural households																		

Table A_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			of which gilts not yet covered
										total	covered sows	of which covered for the first time	other sows
COUNTRY TOTAL	344.6	104.1	91.9	110.7	64.3	44.6	1.8	1.3	36.6	26.3	5.4	10.3	3.1
2003	21.6	3.1	6.8	9.2	5.4	3.8	0.0	0.1	2.4	1.0	0.3	1.4	0.6
Harju	6.1	0.2	2.1	3.8	2.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hiiu	4.1	0.8	1.5	1.5	1.1	0.4	0.0	0.0	0.3	0.2	0.0	0.1	0.0
Ida-Viru	33.0	7.7	9.1	11.9	9.2	2.6	0.1	0.2	4.1	3.1	0.6	1.0	0.6
Jõgeva	23.0	4.7	7.1	9.1	4.7	3.8	0.6	0.1	2.0	1.2	0.2	0.8	0.2
Järva	8.5	1.7	1.7	4.1	3.3	0.8	0.0	0.0	1.0	0.7	0.1	0.3	0.0
Lääne	50.5	13.7	13.3	18.0	11.5	6.2	0.3	0.2	5.3	3.3	0.9	2.0	0.5
Lääne-Viru	8.6	2.1	3.4	2.2	0.8	1.3	0.1	0.0	0.9	0.7	0.2	0.2	0.0
Põlva	8.3	1.4	2.4	3.8	2.3	1.5	0.0	0.1	0.6	0.4	0.1	0.2	0.1
Pämu	22.5	5.0	7.4	7.1	3.6	3.5	0.0	0.1	2.9	2.0	0.5	0.9	0.1
Rapla	23.1	6.8	6.7	7.3	4.3	3.0	0.0	0.1	2.2	1.6	0.3	0.6	0.3
Saare	22.4	6.7	6.3	7.8	3.2	4.6	0.0	0.1	1.5	1.2	0.3	0.3	0.1
Tartu	4.9	1.5	1.0	1.8	1.4	0.4	0.0	0.1	0.5	0.4	0.1	0.1	0.1
Valga	99.2	45.9	21.0	20.2	9.9	10.2	0.1	0.1	12.0	10.0	1.7	2.0	0.5
Viljandi	8.8	2.8	2.1	2.9	1.5	0.9	0.5	0.1	0.9	0.5	0.1	0.4	0.0
Võru	340.9	103.3	90.5	109.5	63.6	44.2	1.7	1.2	36.4	26.2	5.3	10.2	3.1
Agricultural holdings	34.3	9.3	9.8	11.6	6.4	4.9	0.3	0.1	3.5	2.4	0.5	1.1	0.3
natural persons	306.6	94.0	80.7	97.9	57.2	39.3	1.4	1.1	32.9	23.8	4.8	9.1	2.8
legal persons	21.4	3.1	6.7	9.1	5.4	3.7	0.0	0.2	2.3	1.0	0.3	1.3	0.6
Harju	6.0	0.1	2.1	3.8	2.1	1.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Hiiu	4.0	0.8	1.4	1.5	1.1	0.4	0.0	0.0	0.3	0.2	0.0	0.1	0.0
Ida-Viru	32.7	7.7	9.0	11.7	9.1	2.5	0.1	0.2	4.1	3.1	0.6	1.0	0.6
Jõgeva	22.8	4.7	6.9	9.1	4.6	3.9	0.6	0.1	2.0	1.2	0.2	0.8	0.2
Järva	8.3	1.6	1.6	4.1	3.3	0.8	0.0	0.0	1.0	0.7	0.1	0.3	0.0
Lääne	50.0	13.6	13.1	17.8	11.4	6.2	0.2	0.2	5.3	3.3	0.9	2.0	0.5
Lääne-Viru	8.4	2.1	3.3	2.1	0.7	1.3	0.1	0.0	0.9	0.7	0.2	0.2	0.0
Põlva	8.0	1.3	2.4	3.6	2.2	1.4	0.0	0.1	0.6	0.4	0.0	0.2	0.1
Pämu	22.3	4.9	7.4	7.0	3.5	3.5	0.0	0.1	2.9	2.0	0.5	0.9	0.1
Rapla	22.8	6.7	6.5	7.3	4.3	3.0	0.0	0.1	2.2	1.6	0.3	0.6	0.3
Saare	22.1	6.7	6.2	7.7	3.2	4.5	0.0	0.1	1.4	1.1	0.3	0.3	0.1
Tartu	4.8	1.5	1.0	1.8	1.4	0.4	0.0	0.0	0.5	0.4	0.1	0.1	0.1
Valga	98.6	45.7	20.8	20.0	9.8	10.1	0.1	0.1	12.0	10.0	1.7	2.0	0.5
Viljandi	8.7	2.8	2.1	2.9	1.5	0.9	0.5	0.0	0.9	0.5	0.1	0.4	0.0
Võru	3.7	0.8	1.4	1.2	0.7	0.4	0.1	0.1	0.2	0.1	0.1	0.1	0.0
Agricultural households													

Table A_I.14. Number of cattle in 2004 by counties of Estonia, 1 000 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)					bulls					heifers					total					for slaughter		for breeding	
		cows		other			bulls		heifers			Total		for slaughter		for breeding			total		for slaughter		for breeding		
		dairy cows																				heifers	bulls		
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_I.15. Swine population size in 2004 by counties of Estonia, 1000 heads (Agriculture 2004)

	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								
				total	80–110 kg			total	covered sows	of which covered for the first time		other sows	of which gilts not yet covered			
					50–80 kg	more than 110 kg				34.7	22.6			5.0	12.1	4.2
2004	340.1	113.7	83.9	106.6	65.5	37.8	3.3	1.2	34.7	22.6	5.0	12.1	4.2			
Agricultural holdings	339.2	113.5	83.6	106.3	65.3	37.7	3.3	1.2	34.6	22.5	5.0	12.1	4.2			
natural persons	31.4	9.6	7.6	10.9	6.6	4.1	0.2	0.2	3.1	2.2	0.5	0.9	0.3			
legal persons	307.8	103.9	76.0	95.4	58.7	33.6	3.1	1.0	31.5	20.3	4.5	11.2	3.9			
Harju	26.3	4.9	9.2	9.4	4.5	4.9	0.0	0.1	2.7	1.5	0.4	1.2	0.4			
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_I.16. Number of cattle in 2005 by counties of Estonia, 1000 heads (Agriculture 2005)

	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	for slaughter	for breeding	
		dairy cows	other cows												
2005	249.5	112.8	4.8	0.8	12	0.4	11.6	11.2	40.7	1.1	39.6	67.2	3.8	40.6	22.8
Agricultural holdings	247.2	111.8	4.8	0.8	11.9	0.4	11.5	11	40.4	1.1	39.3	66.5	3.6	40.3	22.6
natural persons	83.6	35	2.2	0.3	4.3	0.2	4.1	4	13.9	0.5	13.4	23.9	1.4	14.3	8.2
legal persons	163.6	76.8	2.6	0.5	7.6	0.2	7.4	7	26.5	0.6	25.9	42.6	2.2	26	14.4
Harju	14	6.2	0.3	0.1	1.1	0.1	1	0.5	2.2	0.1	2.1	3.6	0.3	2.1	1.2
Hiiu	2.8	0.9	0.3	0	0.1	0	0.1	0.2	0.4	0	0.4	0.9	0	0.5	0.4
Ida-Viru	6.7	3.1	0.1	0	0.3	0.1	0.2	0.4	1	0.1	0.9	1.8	0	0.9	0.9
Jõgeva	25.9	11.3	0.1	0	1	0	1	1.7	4.1	0	4.1	7.7	0.5	4.3	2.9
Järva	36.2	18.1	0.3	0.1	1.4	0	1.4	0.7	6.7	0.1	6.6	8.9	0.3	6.4	2.2
Lääne	9	3	1	0.1	0.5	0	0.5	0.6	1.1	0.2	0.9	2.7	0	1.4	1.3
Lääne-Viru	29.8	12.3	0.5	0.1	1.2	0	1.2	2.2	5.4	0.1	5.3	8.1	0.2	4.8	3.1
Põlva	14	6.8	0.1	0	0.8	0	0.8	0.3	2.1	0	2.1	3.9	0.4	2.7	0.8
Pärnu	24.3	12.4	0.3	0.1	1.4	0	1.4	0.5	4	0.1	3.9	5.6	0.3	3.8	1.5
Rapla	18.1	7.8	0.4	0.2	0.8	0	0.8	1.2	2.8	0	2.8	4.9	0.1	2.5	2.3
Saare	14.9	6.5	0.4	0	0.9	0.1	0.8	0.7	2.3	0.1	2.2	4.1	0.5	2.5	1.1
Tartu	14.8	6.5	0.2	0	0.7	0	0.7	0.6	2.6	0	2.6	4.2	0.2	2.3	1.7
Valga	8.8	3.9	0.3	0	0.4	0	0.4	0.3	1.2	0	1.2	2.7	0.1	1.5	1.1
Viljandi	18.3	8.6	0.3	0.1	0.9	0	0.9	0.7	3	0.1	2.9	4.7	0.2	3	1.5
Võru	9.6	4.4	0.2	0	0.4	0.1	0.3	0.4	1.5	0.2	1.3	2.7	0.5	1.6	0.6
Agricultural households	2.3	1	0	0	0.1	0	0.1	0.2	0.3	0	0.3	0.7	0.2	0.3	0.2

Table A_I.17. Swine population size in 2005 by counties of Estonia, 1000 heads (Agriculture 2005)

	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						
						total	of which, live weight		total	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							
2005	346.5	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_I.18. Number of cattle in 2006 by counties of Estonia, 1000 heads (ESO)

	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	
		cows		heifers		bulls		total		total		for breeding	
		dairy cows	other cows	total	for slaughter	for breeding	total	for slaughter	for breeding	total	for slaughter	heifers	bulls
2006	244.8	108.4	6	11.1	0.4	10.7	8.7	42.9	1.5	41.4	66	62.9	42.4
Harju	14.7	7	0.3	0.8	0	0.8	0.5	2.7	0.4	2.3	5.1	4.2	2.9
Hiiu	2.9	0.8	0.5	0.1	0	0.1	0.2	0.4	0.1	0.3	0.9	0.9	0.5
Ida-Viru	6	2.7	0.3	0.2	0	0.2	0.2	0.9	0	0.9	1.6	1.6	1
Jõgeva	23.4	10.6	0.2	0.9	0	0.9	1	4.1	0	4.1	6.4	6.3	4.3
Järva	32.3	16.2	0	1.3	0	1.3	0.4	6.5	0.1	6.4	7.8	7.5	5.7
Lääne	9.7	2.8	1	0.4	0.1	0.3	0.7	1.5	0.2	1.3	3.2	3.1	1.6
Lääne-Viru	31	12.9	1	1.4	0	1.4	1.5	5.6	0.1	5.5	8.4	8	5.3
Põlva	14	6.7	0.1	1.2	0	1.2	0.3	2.2	0	2.2	3.5	3.3	2.5
Pärnu	24.5	12.6	0.2	1.3	0.1	1.2	0.3	4	0	4	5.9	5.5	4.2
Rapla	19.2	8.4	0.5	0.8	0.1	0.7	0.7	3.4	0.4	3	5.1	4.8	3
Saare	15.3	6.5	0.6	0.7	0.1	0.6	0.9	2.6	0.1	2.5	3.8	3.5	2.4
Tartu	14.4	6.5	0.2	0.5	0	0.5	0.5	2.4	0	2.4	4.3	4	2.5
Valga	9.2	3.4	0.5	0.4	0	0.4	0.4	1.6	0	1.6	2.8	2.7	1.7
Viljandi	16.2	7.4	0.4	0.9	0	0.9	0.5	2.8	0	2.8	4.1	4	2.8
Võru	9.7	3.9	0.2	0.2	0	0.2	0.4	1.8	0	1.8	3.1	3	1.7

Table A_I.19. Swine population size in 2006 by counties of Estonia, 1000 heads (ESO)

	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		boars	sows		of which gilts not yet covered			
					50–80 kg	80–110 kg		total	covered sows				
											more than 110 kg		
2006	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_I.20. Number of cattle in 2007 by counties of Estonia, 1 000 heads (ESO)

	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		bulls		heifers		bulls		heifers				total	for slaughter	for breeding
		dairy cows	other cows	total	for slaughter	for breeding	total	for slaughter	for breeding							
2007	240.5	103.0	8.5	1.8	11.6	0.7	10.9	8.4	42.7	1.4	41.3	64.5	3	42.3	19.2	
Harju	12.9	5.8	0.5	0	0.5	0	0.5	0.6	2.4	0.1	2.3	3.8	0	2.2	0.9	
Hiiu	3.5	0.8	0.7	0.1	0.1	0	0.1	0.3	0.4	0.1	0.3	1.1	0	0.5	0.6	
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	0	1.1	0.6	
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	0.2	3.8	2.2	
Järva	30.8	15.4	0.3	0.1	1.4	0	1.4	0.3	5.4	0	5.4	7.9	0.3	6.2	1.4	
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	0.3	1.7	1.2	
Lääne-Viru	29.4	12.8	0.8	0.1	1	0.1	0.9	1	6	0.1	5.9	7.7	0.1	5.2	2.4	
Põlva	14.1	6.6	0.1	0.1	1.1	0.1	1	0.4	2.3	0	2.3	3.5	0.2	2.4	0.9	
Pärnu	23.9	10.9	0.7	0.1	0.9	0	0.9	0.6	4.7	0.1	4.6	6	0.4	4.4	1.2	
Rapla	18.1	7.2	0.9	0.6	0.6	0.2	0.4	0.7	3.1	0.2	2.9	5	0.4	3.2	1.4	
Saare	15.4	6.1	0.9	0.1	0.7	0	0.7	0.7	2.6	0.1	2.5	4.3	0.2	2.6	1.5	
Tartu	15.4	6.4	0.3	0	0.7	0	0.7	0.6	2.9	0	2.9	4.5	0.3	2.6	1.6	
Valga	9.3	3.5	0.7	0	1.1	0	1.1	0.4	1.2	0	1.2	2.4	0.2	1.3	0.9	
Viljandi	16.9	7.6	0.5	0.1	1.2	0	1.2	0.5	2.5	0	2.5	4.5	0.2	3.1	1.2	
Võru	9.8	4.0	0.3	0.2	0.3	0	0.3	0.5	1.8	0.1	1.7	2.7	0	1.7	1	

Table A_I.22. Number of cattle in 2008 by counties of Estonia, 1000 heads (ESO)

	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		bulls			total		for slaughter		for breeding		total	for slaughter	for breeding			heifers	bulls
		dairy cows	other cows																
2008	237.9	100.4	8.2	2.2	14.5	1	13.5	7.5	39.5	1.4	38.1	65.6	3.2	41.8	20.6				
Harju	12.4	5.0	0.6	0.2	1.0	0.1	0.9	0.4	1.8	0.1	1.7	3.3	0.1	2	1.2				
Hiiu	3.7	0.7	0.6	0.1	0.2	0.1	0.1	0.3	0.5	0.1	0.4	1.2	0	0.7	0.5				
Ida-Viru	6.4	2.2	0.3	0	0.5	0	0.5	0.3	1	0.2	0.8	2.0	0.1	1.2	0.7				
Jõgeva	22.6	10.7	0.3	0.1	1.0	0.1	0.9	0.4	3.8	0.2	3.6	6.2	0.2	4	2				
Järva	31.0	15.1	0.2	0.2	1.5	0	1.5	0.4	5.7	0.1	5.6	7.8	0.3	6	1.5				
Lääne	10.3	3.1	1.2	0.2	0.7	0.3	0.4	0.6	1.5	0	1.5	2.9	0.2	1.6	1.1				
Lääne-Viru	29.6	12.5	0.6	0.1	1.7	0.1	1.6	0.9	5.2	0.1	5.1	8.5	0.2	5.5	2.8				
Põlva	14.2	6.2	0.2	0.1	0.7	0	0.7	0.4	2.5	0	2.5	4.0	0.2	2.7	1.1				
Pärnu	23.5	10.5	0.7	0.3	1.7	0	1.7	0.5	4.1	0.1	4	5.6	0.3	4	1.3				
Rapla	16.4	5.9	0.9	0.3	1.1	0.3	0.8	0.7	2.7	0.2	2.5	4.7	0.3	2.8	1.6				
Saare	16.0	6.3	1	0.1	1.2	0	1.2	0.6	2.5	0.1	2.4	4.2	0.2	2.6	1.4				
Tartu	15.0	6.6	0.2	0.2	0.9	0	0.9	0.4	2.4	0	2.4	4.2	0.4	2.4	1.4				
Valga	10.9	4.1	0.4	0	0.7	0	0.7	0.5	1.7	0	1.7	3.4	0.3	1.7	1.4				
Viljandi	16.6	7.8	0.4	0.3	0.9	0	0.9	0.5	2.4	0	2.4	4.2	0.2	2.7	1.3				
Võru	10.0	4.1	0.6	0	0.6	0	0.6	0.4	1.4	0.1	1.3	2.7	0	1.6	1.1				

Table A_I.23. Swine population size in 2008 by counties of Estonia, 1000 heads (ESO)

	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						
				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
2008	364.9	117.1	96.2	116.9	70.1	44.2	2.6	0.6	34.1	22.5	5	11.6	4
Harju	19.2	3.5	6.8	7.7	4.5	3.2	0	0	1.2	0.9	0.3	0.3	0.1
Hiiu	58.4	23.7	16.4	11.7	6.9	4.8	0.0	0.1	6.6	3.3	0.9	3.3	1.0
Ida-Viru	2.2	0.9	0.6	0.4	0.2	0.2	0	0	0.3	0.2	0.1	0.1	0
Jõgeva	40.5	9.2	12	14.3	6	8	0.3	0.1	4.9	4	0.7	0.9	0.8
Järva	11.4	3.3	2.8	4.3	4	0.3	0	0	1	0.8	0.3	0.2	0.1
Lääne	8.9	3.6	0.2	4	4	0	0	0	1.1	0.7	0.2	0.4	0.3
Lääne-Viru	52.3	12.8	11.8	22.8	12.2	9.2	1.4	0.1	4.8	3.7	0.4	1.1	0.4
Põlva	28.2	14.5	4.8	8.6	5.1	3.5	0	0	0.3	0.2	0	0.1	0
Pärnu	6.6	1.7	0.8	3.5	1.3	2.2	0	0	0.6	0.4	0.3	0.2	0.1
Rapla	12.6	2	4.1	4.6	3.6	1	0	0.1	1.8	1.1	0.2	0.7	0
Saare	27.8	8.7	9.4	7.4	4.5	2.3	0.6	0.1	2.2	1.7	0.3	0.5	0.1
Tartu	26.5	7.6	6.2	10.6	8.8	1.7	0.1	0.1	2	1.6	0.4	0.4	0.2
Valga	2.8	0.6	0.9	1.1	0.9	0.2	0	0	0.2	0.2	0	0	0
Viljandi	58.4	23.7	16.4	11.7	6.9	4.8	0.0	0.1	6.6	3.3	0.9	3.3	1.0
Võru	9.1	1.4	3	4.2	1.2	2.8	0.2	0	0.5	0.4	0.1	0.1	0

Table A_II.1. Average milk yield per cow in 1991–1993, kg/cow

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

Table A_II.2. Average milk yield per cow in 1991–1993, kg/cow

Country	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
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	6,484	6,781
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	6,019	6,396
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	4,687	4,646
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	5,438	6,053
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	6,812	7,119
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	7,045	7,164
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	5,512	6,295
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	6,823	7,096
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	7,339	7,562
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	6,407	6,651
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	6,325	6,796
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	5,619	5,844
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	7,103	7,880
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	5,870	5,851
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	5,932	6,205
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	6,281	6,319

Table A_II.3. Average fat content of milk in Estonia in 1990–1997, %¹

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

¹ a dataset of EARC www.jkkeskus.ee

Year	Fat content, %
1997	4.32

Table A_II.4. Average fat content of milk in Estonia in 1998–2008 by county of Estonia, %²

Country	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
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
Harju county	4.25	4.23	4.31	4.38	4.32	4.34	4.29	4.27	4.21	4.18	4.14
Hiiu county	4.46	4.40	4.25	4.29	4.38	4.38	4.26	4.19	4.24	4.28	4.34
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
Jõgeva county	4.37	4.32	4.36	4.39	4.46	4.46	4.30	4.28	4.24	4.20	4.18
Järva county	4.18	4.19	4.25	4.25	4.23	4.29	4.27	4.17	4.14	4.11	4.08
Lääne county	4.36	4.24	4.34	4.36	4.28	4.27	4.28	4.25	4.28	4.28	4.24
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
Põlva county	4.29	4.24	4.28	4.38	4.33	4.30	4.30	4.23	4.14	4.11	4.09
Pärnu county	4.23	4.20	4.36	4.41	4.32	4.35	4.33	4.27	4.20	4.19	4.16
Rapla county	4.23	4.16	4.21	4.27	4.19	4.20	4.21	4.11	4.05	4.06	4.00
Saare county	4.46	4.40	4.38	4.36	4.40	4.40	4.38	4.27	4.26	4.23	4.17
Tartu county	4.3	4.26	4.25	4.28	4.32	4.28	4.28	4.22	4.19	4.13	4.08
Valga county	4.25	4.18	4.27	4.30	4.25	4.26	4.29	4.21	4.19	4.22	4.25
Viljandi county	4.28	4.19	4.32	4.31	4.31	4.39	4.31	4.26	4.27	4.26	4.21
Võru county	4.22	4.25	4.35	4.33	4.34	4.32	4.25	4.26	4.28	4.29	4.21

Table A_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

Table A_II.6. Percentage of cow that gave birth in 1998–2008 by county of Estonia, %³

² a dataset of EARC www.jkkeskus.ee

Country	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
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
Harju county	100.0	75.2	67.1	78.0	77.4	68.2	81.2	70.9	79.5	78.3	86.8
Hiiu county	69.3	63.0	64.6	66.8	53.7	68.9	63.5	73.2	78.4	73.0	64.3
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
Jõgeva county	100.0	100.0	89.7	81.6	91.1	87.9	89.3	89.8	100.0	98.9	91.5
Järva county	100.0	90.0	85.9	89.4	88.8	90.9	85.4	75.7	99.7	94.2	94.8
Lääne county	74.0	65.5	66.5	62.6	73.5	77.3	72.1	86.4	99.3	99.1	92.4
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
Põlva county	87.3	85.0	71.5	75.9	85.8	86.7	80.7	89.0	92.9	87.3	94.8
Pärnu county	100.0	87.7	78.1	81.5	84.8	79.8	77.8	82.5	88.1	89.1	90.6
Rapla county	98.6	80.5	80.1	78.4	82.3	86.3	87.0	86.7	77.6	81.6	91.8
Saare county	78.6	76.0	67.6	77.1	86.3	76.7	86.1	85.9	87.1	85.4	84.8
Tartu county	90.2	76.0	77.7	70.9	69.6	79.3	75.1	94.2	100.0	92.1	92.2
Valga county	89.5	68.1	66.2	58.7	80.6	59.9	68.6	76.9	94.9	87.2	83.4
Viljandi county	99.4	73.9	67.3	64.0	80.3	71.1	80.9	89.3	97.4	88.4	87.7
Võru county	73.0	63.9	58.6	54.6	67.9	75.9	69.0	75.2	83.8	78.1	77.1

³ a dataset of EARC www.jkkeskus.ee

Estonia

Table A_III.1. Digestible energy of the feed and maximum CH₄ producing capacity for manure produced by category of livestock (cattle and pigs)

	Digestibility of Feed, %	Bo (m ³ CH ₄ /kg VS)
Cattle		
Cows, bulls and heifers (2 years and over)		
...Dairy	60	0.24
...Non-Dairy Cattle:		
.....Mature Females	60	0.17
.....Mature Males	60	0.17
Bovine animals (aged between 1 and 2 years)	60	0.17
Calves (less than 1 year old)	65	0.17
Pigs		
Piglets, live weight less than 20 kg	75%	0.45
Young pigs, live weight 20–<50 kg	75%	0.45
Fattening pigs		
...live weight 50–<80 kg	75%	0.45
...live weight 80–<110 kg	75%	0.45
...live weight 110 kg or more	75%	0.45
Breeding pigs, live weight 50 kg or more	75%	0.45

Table A_IV.1. Average weight of dairy cattle by breed in Estonia in 1990–2008, kg/head/year

	Estonian Red	Estonian Holstein	Estonian Native	Total number in Registry	Total of Estonia	Average weight of cows, kg
Weight, kg	550	600	410			
1990	121,125	125,235	566	246,926	280,700	575.0
1991	107,873	121,077	549	229,499	264,300	576.0
1992	94,610	116,722	577	211,909	253,400	577.2
1993	74,543	106,033	563	181,139	226,700	578.8
1994	59,691	91,676	564	151,931	211,400	579.7
1995	49,285	79,767	555	129,607	185,400	580.2
1996	43,537	74,968	570	119,075	173,200	580.8
1997	40,118	74,186	535	114,839	162,300	581.6
1998	38,705	77,717	504	116,926	158,800	582.6
1999	33,820	75,589	472	109,881	138,400	583.8
2000	29,875	71,799	443	102,117	131,000	584.5
2001	27,981	73,173	481	101,635	129,600	585.3
2002	26,726	74,733	507	101,966	115,600	585.9
2003	26,314	74,981	490	101,785	116,800	586.2
2004	26,571	73,781	538	100,890	116,500	585.8
2005	26,607	73,261	537	100,405	112,800	585.7
2006	25,348	72,894	544	98,786	108,400	586.1
2007	23,842	70,816	514	95,172	103,000	586.4
2008	22,357	69,599	517	92,473	100,400	586.8

Estonia

Agriculture Sector

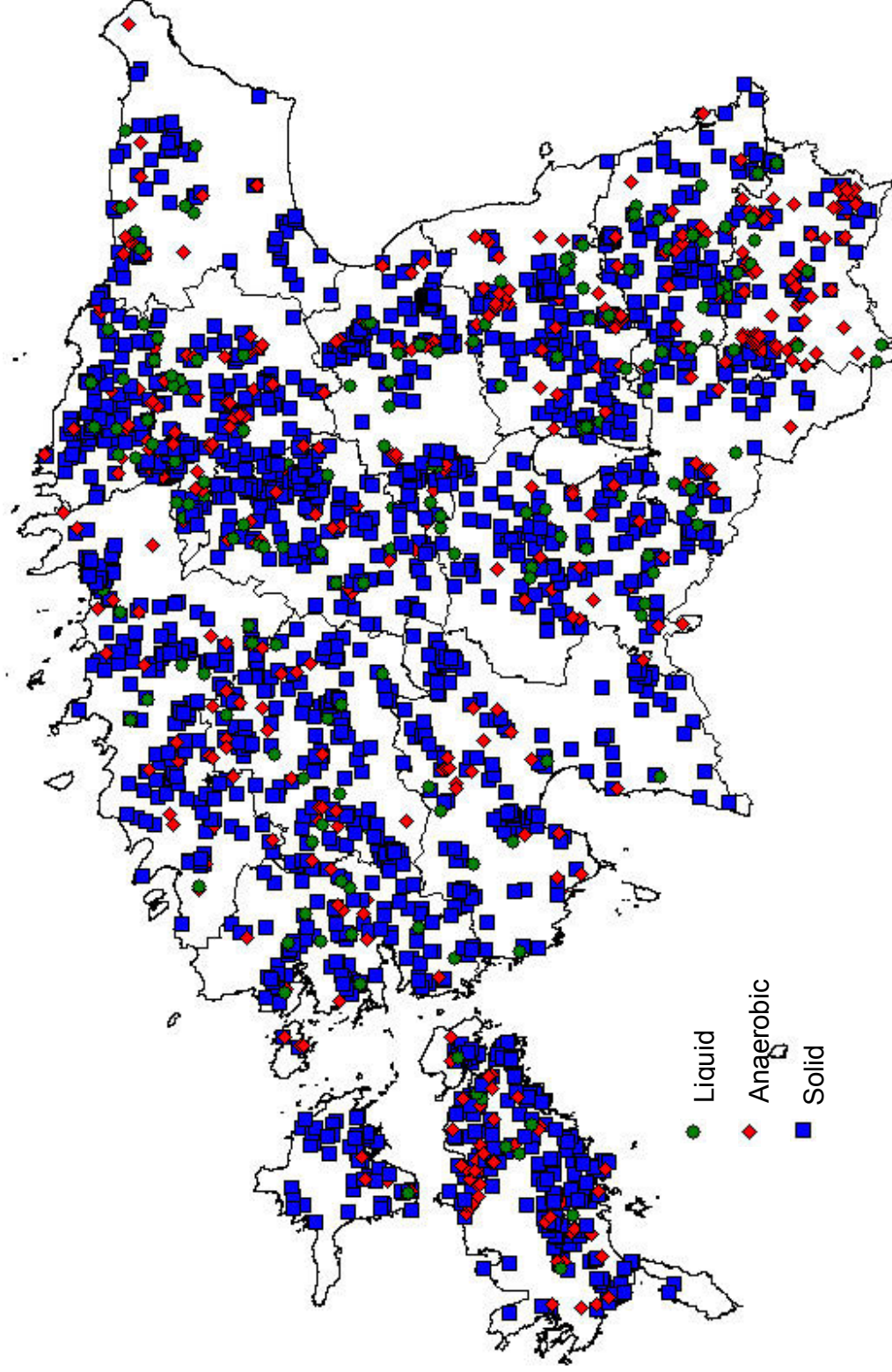


Figure A_V.1. Location of manure management systems by type in Estonia in 2001

Box 1

Table B1.1. Estimating of nitrogen excretion factor of dairy cattle

		Reference
Weight, kg	550	IPCC, 1997. Table A-1, pp. 4.31
Feeding Situation	Stall Fed	IPCC, 1997. Table A-1, pp. 4.31
Milk, kg/day	10.9	ESO
Pregnant, %	80%	IPCC, 1997. Table A-1, pp. 4.31
Digestibility of Feed, %	60%	IPCC, 1997. Table A-1, pp. 4.31
Energy Intake (MJ/day)	248.6	
Feed Intake, kg/day	13.5	
Manure, kg/hd/ d DM	5.4	
Manure, kg/hd/yr DM	1,967	
Moisture Content, %	15%	
Manure, tonnes/hd/yr	13.1	Applying Nutrient Management Estimated using the algorithm presented in Chapter 4.2.3.2.1
	$M, kg / hd / yr = \frac{Manure \times (100\% - 15\%)}{15\%} + Manure, kgDM / hd$	Equation 1
N content in manure, kg/t	5.7	Kaasik A., <i>at al.</i> , 2002
Nitrogen Excretion per head, kg/head/yr	74.7	Equation 2
	$N_factor, kg / hd / yr = Ncontent, kg / t \times Manure, t / hd / yr$	

Table B1.2. Estimating of nitrogen excretion factor of non-dairy cattle

	Mature Females	Mature Males	Replacement / Growing	Young/ Calves	Reference
Weight, kg	500	600	400	230	IPCC, 1997. Table B-1, pp 4.39
Weight Gain, kg/day	0		0.75	0.5	Põllukultuuride väetamine
Feeding Situation	Pasture Range	Pasture Range	Pasture Range	Pasture Range	
Digestibility of Feed, %	60%	60%	60%	60%	
Energy Intake (MJ/day)	138.4	158.7	159.2	87.5	
Feed Intake, kg/day	7.5	8.6	8.6	4.7	
Manure, kg/hd/ d DM	3.0	3.4	3.5	1.7	
Moisture Content, %	13%	13%	13%	13%	
Manure, tonnes/hd/yr	8.4	9.7	9.7	4.7	Applying Nutrient Management Estimated using the algorithm presented in Chapter 4.2.3.2.1
	$M, kg / hd / yr = \frac{Manure \times (100\% - 13\%)}{13\%} + Manure, kgDM / hd$				Equation 1
N content in manure, kg/t	4.9	4.9	4.9	3.7	Kaasik A., <i>at al.</i> , 2002
Nitrogen Excretion per head, kg/head/yr	41.3	47.3	47.5	17.2	Equation 2
	$N_factor, kg / hd / yr = Ncontent, kg / t \times Manure, t / hd / yr$				

Box 2

Table B2.1. Estimating of nitrogen excretion factor for each pig sub-category

	Mass (average), kg	Feed Digestibility %	Energy Intake MJ/day	Feed Intake kg/day	Manure, kg/h/d DM	Manure, kg/hd/yr DM	Manure, t/hd/yr	N content	Nitrogen Excretion per head (estimated)	IPCC Default kg N/hd/yr
Piglets, live weight less than 20 kg	10	75%	9	0.5	0.114	42	0.474	10.9	5.2	
Young pigs, live weight 20–<50 kg	35	75%	19	1.0	0.252	92	1.044	10.9	11.4	
Fattening pigs										
...live weight 50–<80 kg	65	75%	28	1.5	0.372	136	1.543	12.5	19.3	
...live weight 80–<110 kg	95	75%	35	1.9	0.472	172	1.959	12.5	24.5	
...live weight 110 kg or more	110	75%	39	2.1	0.518	189	2.149	12.5	26.9	
Breeding pigs, live weight 50 kg or more	75	75%	30	1.6	0.407	149	1.688	8.8	14.9	
										20

Swine manure dry matter – 8.8% (Dustan A., 2002)

Estonia

Table A_VII. Amounts of synthetic fertilizers applied on agricultural soils, tonnes (ESO)

	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

Table A_VIII. Quantities of sewage sludge treated, tonnes (EEIC)

Year Code	R3		R10	
	19 03 05	19 08 05	19 03 05	19 08 05
1990				7,434 ⁴
1991				7,825
1992				8,237
1993				9,081
1994				14,306
1995				27,073
1996				30,041
1997				30,028
1998				12,724
1999	-	-	-	17,302
2000	-	-	-	26,489
2001	-	2,346	-	2,770
2002	16,774	3,504	-	11,385
2003	17,963	32,553	-	9,799
2004	22,371	44,531	-	1,025
2005	39,767	61,951	-	6,992
2006	45,314	63,063	-	12,285
2007	19,511	81,144	-	4,492
2008	19,156	53,115	-	18,948

⁴ According to Estonian waste classification is 572 waste category code

Estonia

Table A_IX.1. Production of field crops in 1990–2008, 1000 tonnes (ESO)

	Cereals	Legumes	Flax stalks	Oil flacks seed	Sugar beet	Rape seed	Vegetables and greens	...red beets	...green peas	Potatoes	Forage roots
1990	957.3	0.2	1.9	..	0	1.1	105	12.3	0	618.1	534.8
1991	939.2	0.2	0	..	0.6	1.1	120.5	12	0	592.1	493.8
1992	598.1	0.4	0	..	3	2.3	78.4	11.2	0	669.1	176.8
1993	810.7	0.7	0	..	2.6	1.7	70	10.8	0	538.6	198.5
1994	510.4	1.1	0.3	..	10.6	2.2	78	14.6	0.2	563	216.3
1995	513.5	6.3	0.2	..	12.7	7	56.8	8.4	0.1	537.4	240.8
1996	629.2	13.8	0.2	..	2.4	10	54.7	6.9	0.1	500.2	180.8
1997	650.5	17	0.1	..	0.5	9.6	52.3	5.9	0.1	437.5	146.8
1998	576.2	8.3	0	..	0	17.9	50.2	4.5	0.1	316.7	96.7
1999	401.6	3.1	0.1	..	0	29.8	44.7	5.2	0.1	403.7	58.4
2000	696.6	6.6	0.1	0.1	0	38.6	53.3	8.5	0.1	471.7	49.5
2001	558.4	6.5	0.1	0.1	0	41.3	54	3.7	0.1	343.1	36.1
2002	524.7	5	0.1	0.1	0	63.9	39.3	2.1	0.3	210.9	7.3
2003	505.7	5	0	0.1	0	69.2	57.5	6.5	0.1	244.4	7.2
2004	608.1	3.3	0	0.1	0	68.6	53.6	4.7	0.2	166.5	6.7
2005	760.1	5.7	0	0.2	0	83.1	62.7	6.3	0.1	209.8	3.1
2006	619.3	5.5	0	0.1	0	84.6	61.3	5.6	0.2	152.6	2
2007	879.5	9.5	0	0.2	0	133.3	71.6	6.9	0.1	191.8	3.4
2008	864.2	3.3	..	0.2	..	111.1	64.5	5.4	0.1	125.2	0.4

Table A_IX.2. Sown area of field crops in 1990–2008, 1000 tonnes (ESO)

	Cereals	Legumes	Industrial crops	Open-field vegetables	..red beets	..green peas	Potatoes	Fodder roots
1990	397	0.1	3.2	5.2	0.8	0	45.5	11.1
1991	418.1	0.1	3	5.7	0.8	0	52.2	12.3
1992	423.1	0.4	4.7	5.1	0.7	0.1	46.3	11.8
1993	375.1	0.4	2.1	4.6	0.7	0	42.6	11.4
1994	319.5	0.7	3.6	4.4	0.6	0	39.9	12
1995	304.3	3.7	7.3	4.6	0.6	0	36.9	10.8
1996	288.8	5.8	9.5	4.2	0.6	0	35.3	8.8
1997	326.6	8.7	9	3.9	0.5	0	35.2	6.9
1998	354.1	6.4	17.8	4.2	0.5	0	32.6	4.7
1999	321	2.9	24.6	3.9	0.5	0.1	31.1	3.5
2000	329.3	3.9	29.1	3.8	0.6	0	30.9	2.5
2001	274.1	3.7	28.3	3.3	0.3	0.1	22.1	1.4
2002	259.2	2.4	33.2	3	0.3	0.1	16	0.4
2003	263.2	4.4	46.7	3.4	0.4	0.1	17	0.3
2004	261	4.3	50.6	3.5	0.4	0.1	16.1	0.2
2005	282.1	4.4	47.1	3	0.4	0.1	14	0.2
2006	280.3	4.6	62.9	2.8	0.3	0.1	11.5	0.1
2007	292.3	5.7	74.7	2.8	0.3	0.1	11.1	0.2
2008	309.3	4.8	78.5	2.4	0.3	0.1	8.7	0.1

Estonia

Table A_IX.3. Average yields of field crops by field crop, kg/ha (ESO)

	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	2260	..	991	11,340	40,050
1992	1,414	920	970	..	799	14,450	14,950
1993	2,161	1,550	1540	..	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	1432	..	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	1180	931	1,499	15,503	25,838
2002	2,024	2,115	1971	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		1282	1,781	15,028	19,686
2006	2,210	1,198		676	1,354	13,261	24,650
2007	3,009	1,668		1169	1,812	17,195	18,934
2008	2,794	691	..	960	1,431	14,315	12,882

Estonia

Table A_IX.4. Production of field crops in 2004–2008 by county of Estonia, 1000 tonnes (ESO)

Crop	Year	Total	Harju county	Hiiu county	Ida-Viru county	Jõgeva county	Järva county	Lääne county	Lääne-Viru county	Põlva county	Pärnu county	Rapla county	Saare county	Tartu county	Valga county	Viljandi county	Võru county
Cereals	2004	608,148	40,017	2,876	12,300	69,775	59,327	18,442	80,864	37,476	34,994	31,530	14,198	84,262	29,571	62,013	30,154
	2005	760,073	39,687	3,508	17,184	78,958	80,419	21,677	113,333	52,002	42,976	34,735	15,118	104,799	36,528	89,075	29,700
	2006	619,292	29,532	1,696	14,755	71,278	52,188	18,113	79,784	40,858	38,595	25,383	10,074	97,129	34,919	78,566	26,097
	2007	879,475	47,529	4,122	18,620	88,105	69,837	23,459	137,336	59,177	48,223	40,313	16,710	132,839	50,147	101,124	41,534
	2008	864,222	48,657	3,927	22,631	83,700	84,477	23,459	133,262	58,435	50,707	43,043	14,807	122,252	41,388	96,490	36,599
Legumes	2004	3,287	211	6	186	15	496	228	7	12	456	41	116	610	158	706	39
	2005	5,690	634	111	132	53	574	426	104	135	829	177	318	675	410	844	268
	2006	5,542	314	..	8	3	286	430	672	103	918	100	412	511	659	808	318
	2007	9,515	346	29	132	86	531	232	1,704	773	1,708	233	434	1,038	531	1,304	434
	2008	3,309	40	23	9	4	85	47	448	132	339	72	94	678	485	681	172
..peas	2004	3,227	180	6	186	14	496	228	7	11	437	33	116	610	158	706	39
	2005	5,655	625	111	132	50	574	426	103	133	829	169	318	675	410	840	260
	2006	5,499	294	..	8	2	286	430	672	103	911	100	412	506	659	801	315
	2007	9,385	285	29	132	85	531	232	1,703	773	1,691	228	434	1,023	531	1,275	433
	2008	3,191	40	0	9	3	85	47	448	132	323	58	94	626	485	670	171
Flax stalks	2004	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2005	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2006	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2007	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oil flax seed	2004	108	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2005	209	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2006	140	..	..	..	..	..	..	7	54	..	..	..	..	..	..	36
	2007	159	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2008	192	..	..	..	21	12	..	..	147	..	..	..	..	..	3	9
Sugar beet	2004	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2005	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2006	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2007	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Estonia

Crop	Year	Total	Harju county	Hiiu county	Ida-Viru county	Jõgeva county	Järva county	Lääne county	Lääne-Viru county	Põlva county	Pärnu county	Rapla county	Saare county	Tartu county	Valga county	Viljandi county	Võru county
Rape seed	2004	68,597	4,729	75	1,301	6,386	7,241	1,687	13,583	3,775	4,573	4,098	732	8,970	2,914	5,944	2,589
	2005	83,067	4,368	103	1,885	9,396	8,995	2,278	14,832	4,466	4,497	3,563	1,360	10,125	4,021	11,355	1,823
	2006	84,609	5,134	168	2,920	7,133	7,419	2,638	10,891	6,323	5,119	3,839	887	11,177	5,068	14,036	1,857
	2007	133,340	8,359	604	3,093	12,300	12,062	4,955	20,380	8,205	8,049	7,876	1,830	16,105	5,995	19,619	3,908
	2008	111,149	6,722	597	1,910	11,439	9,055	4,944	19,252	7,483	7,269	5,093	1,602	16,038	4,037	12,869	2,839
	2004	53,603	14,210	555	607	2,534	698	408	1,472	2,917	3,937	580	1,165	6,737	326	1,950	1,988
Vegetables	2005	62,660	14,786	449	918	3,070	1,319	322	438	2,417	2,889	1,012	2,136	8,166	609	2,904	2,367
	2006	61,343	11,777	259	374	2,112	490	351	681	5,805	2,777	816	903	5,187	303	2,651	4,343
	2007	71,573	18,657	118	894	2,610	298	363	890	2,553	3,104	936	1,714	7,989	501	2,399	3,417
	2008	64,499	17,036	160	490	3,728	172	123	504	3,673	1,725	315	1,687	5,773	221	2,321	4,037
	2004	4,692	1,053	22	70	556	55	37	123	509	129	42	109	645	23	333	64
	2005	6,276	1,742	22	119	256	203	46	21	157	82	51	154	1303	54	461	277
....red beets	2006	5,648	1,197	21	38	127	38	196	22	548	143	60	123	421	17	843	438
	2007	6,914	2,417	18	104	293	63	71	41	122	283	19	364	672	33	258	401
	2008	5,440	2,358	..	34	65	16	12	81	592	55	8	93	124	6	128	526
	2004	194	6	0	3	6	6	4	4	6	8	5	4	19	3	10	8
	2005	150	2	0	1	4	4	1	1	5	4	2	4	8	2	4	8
	2006	218	2	0	2	4	4	2	2	4	4	2	6	3	15	4	4
....green peas	2007	107	1	..	..	1	1	..	..	1	2	1	1	10	1	2	2
	2008	95	2	..	..	1	1	..	..	1	2	1	1	2	1	1	2
	2004	166,521	13,729	2,073	2,622	18,069	5,764	4,494	6,248	6,728	16,407	6,245	8,698	15,846	6,196	13,858	9,330
	2005	209,772	20,929	1,756	6,397	16,486	6,701	5,033	10,621	10,286	13,247	13,201	4,769	21,858	7,057	13,850	14,919
	2006	152,632	6,603	1,871	4,462	11,129	2,831	5,977	10,019	14,640	7,893	7,443	8,384	9,756	2,971	8,594	11,984
	2007	191,754	17,750	1,300	4,525	11,798	4,208	4,200	7,621	11,730	13,508	11,336	4,630	18,582	3,149	15,764	14,040
Potatoes	2008	125,225	13,427	1,380	2,549	7,951	4,184	3,663	6,751	5,507	5,735	7,621	2,228	8,104	1,350	3,938	12,222
	2004	6,689	35	28	514	1,380	117	201	7	245	1,037	89	310	178	2	2,498	148
	2005	3,130	243	27	60	1,195	13	26	60	141	700	51	104	139	55	260	56
	2006	1,972	66	29	1	1,332	..	14	46	1	152	138	102	72	4	6	9
	2007	3,446	180	44	328	691	6	199	..	275	337	60	391	219	131	332	253
	2008	438	..	7	20	14	..	2	6	51	73	64	58	22	16	68	37

Agriculture Sector

Estonia

Crop	Year	Total	Harju county	Hiiu county	Ida-Viru county	Jõgeva county	Järva county	Lääne county	Lääne-Viru county	Põlva county	Pärnu county	Rapla county	Saare county	Tartu county	Valga county	Viljandi county	Võru county
Annual forage crops	2004	48,302	1,740	12	4,852	3,969	8,057	543	6,703	2,284	3,445	2,102	531	8,141	254	3,922	1,747
	2005	58,589	1,510	18	1,755	4,658	9,112	1,547	10,360	634	7,087	5,526	569	8,551	1,041	2,745	3,476
	2006	73,036	3,684	..	56	5,195	16,809	549	15,528	2,165	6,445	7,820	1,071	6,387	962	4,188	430
	2007	75,387	1,504	177	5,272	3,713	10,844	947	11,817	3,073	5,682	5,563	1,528	11,438	2,161	7,285	4,383
	2008	74,097	1,791	77	3,192	7,030	17,141	1362	16,516	879	1,339	3,490	1,471	11,785	2,881	5,035	108
	..maize	24,338	..	..	3,582	549	5,596	..	4,870	1,280	..	337	..	7,996	128	..	..
..other annual forage crops	2005	24,249	..	..	1,508	1,150	6,521	..	3,574	8	1,330	1,801	..	7,018	..	329	1,010
	2006	15,119	..	..	1,803	790	4,874	..	1,258	..	..	1,450	110	4,834	..	..	..
	2007	25,455	..	..	2,888	..	5,868	..	6,190	..	..	150	..	10,303	56	..	..
	2008	34,920	..	..	3,192	4,143	4,685	..	8,538	0	95	1,910	..	9,057	1,000	2,300	..
	2004	23,964	1,740	12	1,270	3,420	2,461	543	1,833	1,004	3,445	1,765	531	145	126	3,922	1,747
	2005	34,340	1,510	18	247	3,508	2,591	1,547	6,786	626	5,757	3,725	569	1,533	1,041	2,416	2,466
	2006	57,917	3,684	..	..	4,405	11,935	549	14,270	2,165	6,445	6,370	961	1,553	962	4,188	430
	2007	49,932	1,504	177	2,384	3,713	4,976	947	5,627	3,073	5,682	5,413	1,528	1,135	2,105	7,285	4,383
	2008	39,177	1,791	77	..	2,887	12,456	1362	7,978	879	1,244	1,580	1,471	2,728	1,881	2,735	108

Estonia

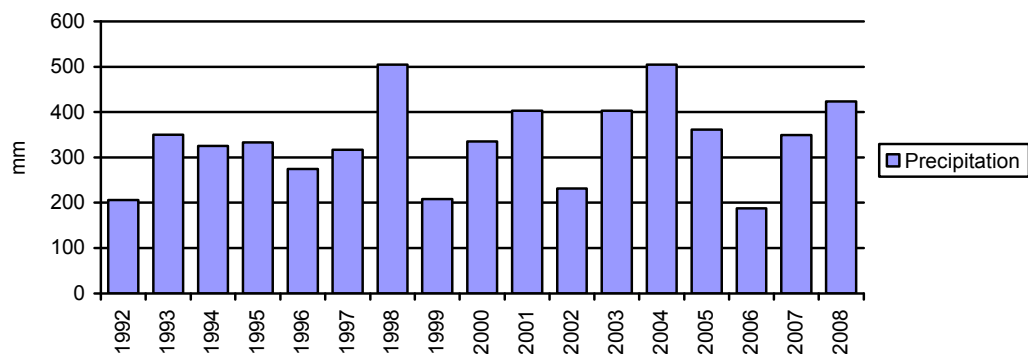


Figure A_X.1. Total precipitation from May to September in Estonia in 1992–2008, mm (ESO).

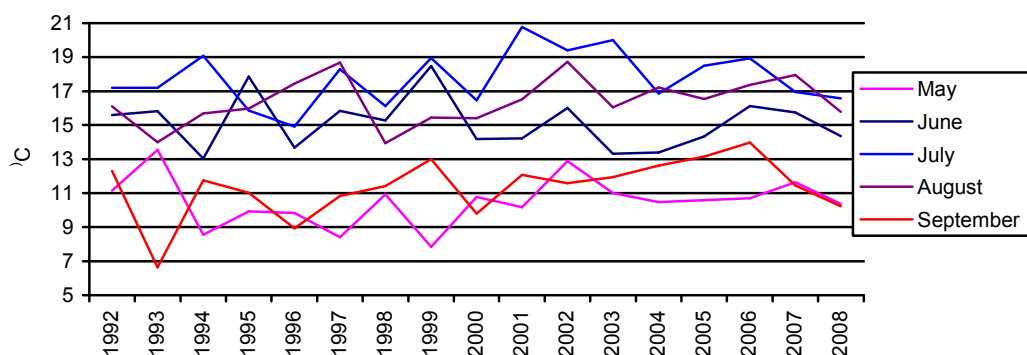


Figure A_X.2. Average monthly temperature in May–September in Estonia in 1992–2008, °C (ESO).

Table A_X.1. Total precipitation and average monthly temperature in Estonia in 1992–2008 (ESO)

	Precipitation, mm (May–September)	Average monthly temperature, °C				
		May	June	July	August	September
1992	205.8	11.1	15.6	17.2	16.1	12.3
1993	349.7	13.5	15.8	17.2	14.0	6.6
1994	325.2	8.5	13.0	19.1	15.7	11.7
1995	333.6	9.9	17.9	15.9	16.0	11.0
1996	274.2	9.8	13.7	14.9	17.4	8.9
1997	317.0	8.4	15.9	18.3	18.7	10.8
1998	504.8	10.9	15.3	16.1	14.0	11.4
1999	207.8	7.8	18.5	19.0	15.5	13.0
2000	335.6	10.8	14.2	16.5	15.4	9.8
2001	403.4	10.2	14.2	20.8	16.5	12.1
2002	230.8	12.9	16.0	19.4	18.7	11.6
2003	403.2	11.0	13.3	20.0	16.1	12.0
2004	505.0	10.5	13.4	16.9	17.2	12.6
2005	361.2	10.6	14.3	18.5	16.5	13.1
2006	187.4	10.7	16.1	18.9	17.4	14.0
2007	349.1	11.6	15.8	17.0	18.0	11.5
2008	423.1	10.4	14.4	16.6	15.8	10.2

Estonia

Table A_XI. Areas of arable land and histosol cultivated in Estonia in 1990–2008, 1000 ha

	Arable land area, 1000 ha	Area of histosol cultivated, 1000 ha
1990	480.5	42.7*
1991	510.6	45.4
1992	500.7	44.5
1993	439.2	39.0
1994	383.1	34.0
1995	373.4	32.4
1996	355.5	30.9
1997	392.8	34.1
1998	422.0	37.7
1999	389.9	36.5
2000	402.7	40.7*
2001	336.6	34.0
2002	317.4	32.1
2003	337.3	34.1
2004	337.8	34.1
2005	353.8	35.8
2006	366.0	37.0
2007	391.9	39.6
2008	408.6	41.3

* the areas were estimated taking into account CORINE maps (1990, 2000) and Estonian soil map.
The data for years of 1991–1999 and 2000–2008 were interpolated/extrapolated based on correlation with areas of arable land of Estonia.

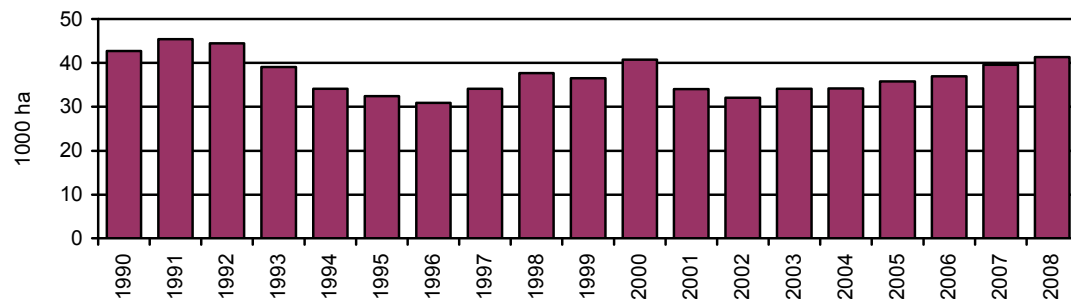


Figure A_XI.1. Areas of histosols cultivated in Estonia in 1990–2008, 1000 ha

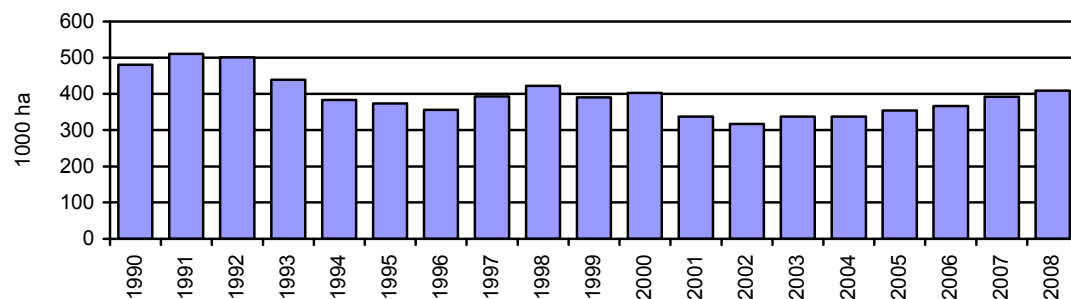


Figure A_XI.2. Areas of arable land in Estonia in 1990–2008, 1000 ha