

ANNEX 10. Additional information for the LULUCF sector

Table L_I.1. Cropland area in Estonia in 1970–2008, 1000 ha

Year	Cropland total	Field crops total ¹	...cereals	...legumes	...industrial crops	...open-field vegetables	...potatoes	Forage roots ²	Annual forage crops ³	Multianual forage crops (lucerne, clover and other legumes) ⁴	Other temporary grassland ⁵	Seeds ⁶	Fallow ⁷	Orchards ⁸
1970	750.5	341.2	341.2		3.2	6.4	79.5	10.2	94.4	109.4	164.2	24.5	6.6	-
1971	800.5	373.1						9.77	91.0	118.2	177.3	24.5	6.6	-
1972	812.4	405.1						9.34	87.5	127.0	152.4	24.5	6.6	-
1973	859.8	437.0						8.91	84.1	135.8	163.0	24.5	6.6	-
1974	907.2	469.0						8.48	80.6	144.6	173.5	24.5	6.6	-
1975	885.6	500.9	417.4	2.8	4.2	5.3	71.2	8.05	77.2	153.4	115.0	24.5	6.6	-
1976	916.8	520.6	433.6	2	6.1	4.7	74.2	7.62	73.8	162.1	121.6	24.5	6.6	-
1977	934.5	526.8	438.2	1.5	6.3	4.8	76	7.19	70.3	170.9	128.2	24.5	6.6	-
1978	950.5	531.3	443.7	0.7	6.2	4.8	75.9	6.76	66.9	179.7	134.8	24.5	6.6	-
1979	943.8	513.1	427.2	0.7	5.8	4.9	74.5	6.33	63.4	188.5	141.4	24.5	6.6	-
1980	958.4	528.5	444.3	0.4	5.6	5.9	72.3	5.9	60.0	172.6	160.3	24.5	6.6	13.1
1981	965.0	517.9						5.96	57.0	201.8	151.3	24.5	6.6	-
1982	965.0	507.3						6.02	53.9	209.5	157.1	24.5	6.6	-
1983	960.3	496.6						6.08	50.9	214.6	161.0	24.6	6.6	-
1984	950.0	486.0						6.14	47.8	216.5	162.4	24.6	6.6	-
1985	943.4	475.4	403.9	1	4.7	4.9	60.9	6.2	44.8	220.5	165.4	24.6	6.6	11.7
1986	938.6	466.8						7.75	36.6	226.0	169.5	23.4	6.6	-
1987	954.7	458.1	389.6		4.6	5.8	58.1	9.3	57.6	226.8	170.1	22.1	6.6	-

¹ The total field crop areas of 1971–1974, 1981–1984 and 1986 were interpolated

² The forage roots' areas of 1971–1979, 1981–1984 and 1986 were interpolated

³ The annual forage crop areas of 1971–1979 were interpolated

⁴ The areas of multianual forage crops in 1970–1990

⁵ The areas of other temporary grassland (the seeded once in less than five years grassland) in 1970–2002 were interpolated

⁶ The areas used for growing of seeds in 1970–1979, in 1981–1984 and in 1986–1989 were interpolated

⁷ The areas of land under fallow in 1970–1990 were interpolated

⁸ The activity data on orchard areas in 1970–1985 are not available

Year	Cropland total	Field crops total ¹	...cereals	...legumes	...industrial crops	...open-field vegetables	...potatoes	Forage roots ²	Annual forage crops ³	Multianual forage crops (lucerne, clover and other legumes) ⁴	Other temporary grassland ⁵	Seeds ⁶	Fallow ⁷	Orchards ⁸
1988	955.1	459.9	391.6		6.8	5.8	55.7	9.3	47.8	231.2	173.4	20.9	6.6	-
1989	957.6	457.9	395.9		4.5	5.5	52	13.9	34.8	238.1	178.6	19.6	6.6	-
1990	965.8	451.0	397	0.1	3.2	5.2	45.5	11.1	35.4	247.5	185.6	18.4	6.6	10.2
1991	978.2	479.1	418.1	0.1	3	5.7	52.2	12.3	30.0	244.9	174.0	19.2	6.6	12.2
1992	957.2	479.6	423.1	0.4	4.7	5.1	46.3	11.8	23.0	234.9	178.6	9.3	7.9	12.0
1993	888.6	424.8	375.1	0.4	2.1	4.6	42.6	11.4	19.2	218.5	191.5	3	8.7	11.4
1994	771.2	368.1	319.5	0.7	3.6	4.4	39.9	12	19.4	151.3	192.1	3	13.5	11.8
1995	721.2	356.8	304.3	3.7	7.3	4.6	36.9	10.8	13.1	133.3	168.3	5.8	21.4	11.7
1996	712.8	343.6	288.8	5.8	9.5	4.2	35.3	8.8	11.8	125.3	184.8	3.1	23.8	11.6
1997	719.4	383.4	326.6	8.7	9	3.9	35.2	6.9	15.2	94.1	182.3	2.5	23.0	11.9
1998	755.4	415.1	354.1	6.4	17.8	4.2	32.6	4.7	14.7	136.6	145.0	2.2	24.6	12.4
1999	708.3	383.5	321	2.9	24.6	3.9	31.1	3.5	10.8	88.8	166.0	2.9	41.2	11.5
2000	692.6	397.0	329.3	3.9	29.1	3.8	30.9	2.5	7.4	72.4	165.3	3.2	33.3	11.6
2001	579.1	331.5	274.1	3.7	28.3	3.3	22.1	1.4	9.4	61.2	120.3	3.7	33.0	18.5
2002	527.2	313.8	259.2	2.4	33.2	3	16	0.4	5.7	56.6	105.8	3.2	24.1	17.6
2003	559.9	334.7	263.2	4.4	46.7	3.4	17	0.3	4.1	43.8	132.0	2.3	27.1	15.6
2004	532.1	335.5	261	4.3	50.6	3.5	16.1	0.2	4.2	52.6	101.0	2.1	20.8	15.7
2005	598.8	350.6	282.1	4.4	47.1	3	14	0.2	5.2	62.9	138.8	3	26.4	11.7
2006	564.3	362.1	280.3	4.6	62.9	2.8	11.5	0.1	9.2	62.0	101.8	3.8	15.9	9.4
2007	607.0	386.6	292.3	5.7	74.7	2.8	11.1	0.2	7.1	72.6	108.0	5.1	18.8	8.6
2008	619.9	403.8	309.3	4.8	78.5	2.4	8.7	34.0	5.7	81.0	82.1	5.1	18.7	8.1

Table L_I.2. Grassland areas in Estonia in 1970–2008, 1000 ha

Year	Natural grassland	Land defined as grassland (Seeded once over five years grassland, abandoned arable land)	Bushes	Total area
1970	580.3	312.9	165.5	1,058.7
1971	502.4	330.2	173.7	1,006.3
1972	489.3	328.5	185.6	1,003.4
1973	442.3	287.6	224.8	954.7
1974	417.5	247.9	234.2	899.6
1975	403.7	270.8	232.6	907.1
1976	376.9	242.3	220.8	840.0
1977	362.1	225.3	216.1	803.5
1978	354.1	207.8	214.8	776.7
1979	345.5	218.1	207.0	770.6
1980	342.0	200.2	202.0	744.2
1981	336.8	193.3	192.3	722.4
1982	335.0	191.3	178.9	705.2
1983	327.5	196.9	170.4	694.8
1984	324.4	207.6	187.1	719.1
1985	323.2	212.7	213.9	749.8
1986	339.3	200.3	213.1	752.7
1987	355.4	167.0	212.3	734.7
1988	371.5	148.7	210.0	730.2
1989	387.6	126.3	207.8	721.7
1990	403.7	108.8	207.5	720.0
1991	419.8	94.3	192.9	707.0
1992	435.9	33.9	178.4	648.1
1993	452.0	99.4	163.8	715.2
1994	468.1	235.0	149.2	852.3
1995	484.2	288.3	134.7	907.2
1996	500.3	299.6	120.1	920.0
1997	516.4	296.7	105.5	918.6
1998	532.5	177.5	91.0	801.0
1999	548.6	141.0	76.7	766.3
2000	564.7	73.4	84.2	722.3
2001	536.6	213.5	86.7	836.8
2002	435.2	400.5	79.3	915.0
2003	370.6	413.4	66.0	850.0
2004	319.4	462.8	70.9	853.1
2005	296.8	409.6	76.2	782.6
2006	292.3	447.3	82.4	822.0
2007	288.0	562.9	77.9	828.8
2008	274.8	493.2	75.6	843.6

Appendix L_II

Table L_II.1. Area of stands, 1000 ha⁹

	Forest stands	...Pine-woods	...Spruce-woods	...Birch-woods	...Aspen-woods	...Common alder-woods	...Grey alder-woods	...Other stands
1990	1,821	718	375	452	73	50	129	24
1991	1,828	721	376	454	73	51	130	24
1992	1,915	755	394	475	77	53	136	25
1993	1,920	757	395	476	77	53	136	25
1994	1,816	747	390	419	68	47	120	22
1995	1,850	737	385	449	73	50	129	24
1996	1,919	764	399	466	76	52	133	24
1997	1,919	765	399	466	75	52	133	24
1998	1,983	782	408	492	80	55	141	26
1999	2,047	690	345	614	56	121	190	31
2000	2,115	724	371	649	114	62	164	31
2001	2,091	682	370	654	110	65	179	31
2002	2,052	667	360	649	113	58	174	31
2003	2,113	674	363	659	115.1	64	198	40
2004	2,139	707	363	647	116.7	68	200	38
2005	2,122	709	361	650	109.4	65	193	35
2006	2,113	724.3	352.4	631.4	109.2	62.7	195.2	38
2007	2,079	775	371.2	669.1	117.1	65.4	177.4	37.3
2008	2062.6	710.5	334.3	628.9	115.3	66.5	170	37.1

Table L_II.2. Increment of forest biomass by tree species, m³/ha

	Forest stands	...Pine-volume	...Spruce-volume	...Birch-volume	...Aspen-volume	...Common alder-volume	...Grey alder-volume	...Other volume
1990	5.7	5.0	7.3	5.0	6.8	5.3	7.2	5.0
1991	5.7	5.0	7.3	5.0	6.8	5.3	7.2	5.0
1992	5.7	5.0	7.3	5.0	6.8	5.3	7.2	5.0
1993	5.7	5.0	7.3	5.0	6.8	5.3	7.2	5.0
1994	5.7	5.0	7.3	5.0	6.8	5.3	7.2	5.0
1995	5.7	5.0	7.3	5.0	6.8	5.3	7.2	5.0
1996	5.7	5.0	7.3	5.0	6.8	5.3	7.2	5.0
1997	5.7	5.0	7.3	5.0	6.8	5.3	7.2	5.0
1998	5.7	5.0	7.3	5.0	6.8	5.3	7.2	5.0
1999	5.7	5.0	7.3	5.0	6.8	5.3	7.2	5.0
2000	5.5	4.8	6.8	4.8	6.6	4.9	7.6	4.3
2001	5.8	5.1	7.5	5.1	7.3	5.5	7.4	4.9
2002	5.8	5.1	7.5	5.1	7.2	5.5	7.1	4.2
2003	5.8	5.1	7.5	5.0	6.7	5.6	7.3	5.2
2004	5.7	5.1	7.4	4.9	6.6	5.4	7.1	5.7
2005	5.5	5.0	7.2	4.8	6.4	5.1	6.8	5.5
2006	5.5	5.0	7.1	4.8	6.1	5.2	6.9	5.4
2007	5.7	5.0	8.1	4.9	6.6	5.3	7.3	5.4
2008	5.9	5.0	8.3	5.0	6.8	5.4	7.6	5.4

⁹ *Italic* – the data were interpolated.

