

ANNEX H

Statistics for Cyprus

Acreege, harvested area, yield and production of oilseed rape

Year	Acreege (ha)	Harvested area (ha)	Yield (t/ha)	Production (t)
1995/96	252 298	252 675	2.62	662 176
1996/97	228 775	226 533	2.30	520 572
1997/98	229 767	227 310	2.47	560 509
1998/99	265 560	264 310	2.57	680 216
1999/00	350 353	348 949	2.67	931 053
2000/01	325 338	323 842	2.61	844 428
2001/02	344 117	343 004	2.84	973 321
2002/03*	313 025	312 424	2.30	718 575

* Estimation of Czech Statistical Office

Balance of production and utilisation of oilseed rape ('000 tonnes)

Index	1998/99	1999/00	2000/01	2001/02	2002/03*
Production	680.2	931.1	844.4	985.3	758.6
Import	1.1	26.8	5.0	12.3	10.0
Supply	560.7	681.3	957.9	985.3	758.6
Processing	490.4	477	494.6	578.3	500
From which MERO**	90	45	185	199.2	200
Seedling	2	2	2	2	2
Export	68.3	202.3	461.3	368	256.6

* Estimation of Ministry of Agriculture

** Estimation of Association for production of biofuel oil

Acreege, harvested area, yield and production of sunflower seeds

Marketing year	Acreege (ha)	Harvested area (ha)	Yield (t/ha)	Production (t)
1995/96	19 476	19 387	1.66	32 180
1996/97	19 816	19 710	1.93	38 065
1997/98	11 055	10 885	2.09	22 801
1998/99	17 326	17 274	2.11	36 475
1999/00	28 500	28 450	2.22	63 228
2000/01	30 757	30 549	2.14	65 421
2001/02	28 583	28 528	1.99	56 717
2002/03	24 242	23 768	2.24	53 240

Acreege, harvested area, yield and production of poppy seeds

Year	Acreege (ha)	Harvested area (ha)	Yield (t/ha)	Production (t)
1995/96	35 253	34 308	0.73	25 053
1996/97	14 677	14 271	0.68	9 654
1997/98	17 865	16 641	0.57	9 515
1998/99	28 513	27 881	0.74	20 524
1999/00	46 018	45 462	0.63	28 509
2000/01	31 473	31 473	0.5	15 732
2001/02	34 478	33 235	0.64	21 294
2002/03*	29 637	29 532	0.60	17 719

* Estimation of Czech Statistical Office

Balance of production and utilisation of poppy seeds

Index	Unit	1997/98	1998/99	1999/00	2000/01	2001/02	2002/03*
Supply	t	12,378.7	22,138.1	30,056.5	15,908.2	22,712.5	19,014.0
Food	t	3,300	3,500	3,700	3,500	2,700	3,000
Seedling	t	80	100	120	110	100	100
Export	t	8,127.7	17,988.1	25,390.7	11,955.2	19,617.5	15,000
Final storage	t	871	550	845.8	342.7	295.0	904.0

* Estimation of Ministry of Agriculture

Acreage, harvested area, yield and production of white mustard

Marketing year	Acreage (ha)	Harvested area (ha)	Yield (t/ha)	Production (t)
1998/99	37 120	36 136	1.03	37 282
1999/00	39 927	39 423	1.14	44 930
2000/01	15 512	14 986	0.94	14 158
2001/02	21 009	19 720	0.95	18 800
2002/03*	35 798	35 255	1.00	35 255

* Estimation of Ministry of Agriculture

Acreage, yield and production of linseed

Year	Acreage (ha)	Yield (t/ha)	Production (t)
1990	606	1.77	1,073
1991	4,600	1.47	6,762
1992	1,080	1.50	1,620
1993	780	1.58	1,232
1994	1,072	1.27	1,361
1995	752	1.30	978
1996	407	1.36	553
1997	312	1.21	377
1998	646	1.40	904
1999	2,251	1.57	3,535
2000	1,700	1.35	2,295
2001	3,045	0.85	2,603
2002	Tech. use: 2,048 Food/feed: 500	1.30 1.35	2,662 675

Acreage, harvested area, yield and production of soya-bean

Marketing year	Acreage (ha)	Harvested area (ha)	Yield (t/ha)	Production (t)
1997/98	281	249	1.36	340
1998/99	266	261	1.25	327
1999/00	397	143	1.53	219
2000/01	1,916	1,884	1.25	2,348
2001/02	2,743	2,706	1.59	4,301
2002/03*	3,002	2,955	1.95	5,762

Import and export of biofuel and methyl esters (tonnes)

Index	1997		1998		1999		2000		2001		2002 (1.1. - 31.10.)	
	Import	Export	Import	Export	Import	Export	Import	Export	Import	Export	Import	Export
MERO	11,360	-	25,842	83	22,644	26	3,237	72	2,862	3,273	73	-
Biofuel	5,800	635	17,099	8	10,375	97	8,463	3,840	-	67,765	-	-
Total	17,160	635	42,941	91	33,019	123	11,700	3,912	2,862	71,038	73	-

MERO - methyl esters of rape oil

Production of dew retted flax stalks

Harvested year	Sowing area (ha)	Harvested area (ha)	Yield of stalk (t/ha)	Harvested stalks (t)
1980	24,412	24,144	3.47	83,770
1985	23,243	22,242	3.97	88,410
1990	21,425	20,913	3.90	81,570
1991	17,875	15,199	2.09	31,723
1992	9,858	9,333	2.45	22,857
1993	7,859	7,571	3.31	25,038
1994	11,047	10,118	2.68	27,118
1995	10,626	9,966	3.44	34,300
1996	6,836	5,899	3.10	18,272
1997	2,191	2,017	3.19	6,439
1998	4,744	3,719	3.01	11,185
1999	7,315	5,292	3.22	17,065
2000	8,484	8,332	1.82	15,137
2001	7,094	5,565	3.23	17,865
2002	5,885	5,694	2.73	15,271

Overview of production of bast flax

	Year	2000/01	2001/02
Seedlings production	t	1,200	600
Total flax stalks production	t	15,137	15,271
Average price for 1 tone of dew retted stalk	Euro	109	132
Total content of fibre in stalk	%	27	27.5
Average content of long fibre	%	10	13.7
Average yield of seeds	t/ha	0.5	0.5
Total production of fibre	t	4,083	4,107
Total production of long fibre	t	1,512	2,088
Total production of oakum	t	2,571	2,019
Number of planters		158	142

Progress in hemp growing

	Unit	2000	2001	2002	2003
Estimated sowing area	ha	129	29	91	115
Yield of seeds growing for seeds	t/ha	0.8	0.8	0.85	0.7
Yield of stalk	t/ha	9	9	9.5	9
Yield of fibre	t/ha	2.25	2.25	2.35	1.55
Yield of mass used for energy utilisation	t/ha	10	10	10.5	10

Overview of production and utilisation of long fibre (in tonnes)

	1994	1995	1996	1997	1998	1999	2000	2001	2002
Primary stock	0	289	4145	2558	935	0	0	1261	44
Production of long fibre	3980	4650	1830	840	1443	1943	2235	1591	1598
Import of long fibre	4516	4383	517	1607	2248	3447	2221	2221	2102
Total offer	8496	9322	6492	5005	4626	5390	5705	6079	5118
Domestic use	8000	5100	3600	3900	4526	5300	4444	5969	4273
Export	207	77	334	170	100	90	0	66	21
Final stock	289	4145	2558	935	0	0	1261	44	824

Utilisation of flax fibre for production of yarn (in tonnes)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Linnen yarn	4 340	3 327	2 063	2 974	3 153	2 484	1 461	1 922	1 890	1 830	2405	1981	1835
oakum yarn	5 354	3 974	3 319	3 761	4 194	3 479	2 157	2 159	1 960	2 683	2754	2309	2299
Total	9 694	7 301	5 382	6 735	7 347	5 963	3 618	4 081	3 850	4 513	5159	4290	4134

Processing capacity for bast flax (year 2002)

Flax factory	Mechanical equipment	Capacity (per year)	Original cultivated area (in 2002)		Production of long fibre	
			ha	%		
Agropodnik Dvorce	1 two-section turbine	3700	238	650	4.2	650
Lenas Malá Št'ahle	2 two-section turbines	7500	459	1310	8.6	1595
Moravolen St. Libava	1 two-section turbine	3700	649	12931	8.5	1622
Sázavolen Leština	1 two-section turbine	3700	420	990	6.5	1192
Lenka Kácov	2 four-section turbines	15000	1123	3428	22.4	3456
Čemolen Humpolec	3 two-section turbines	11200	1575	4400	28.8	5523
Texlen Radvanice	3 two-section turbines	11200	1230	3200	21.0	3470
Celkem	-	56000	5694	15271	100	17508

Request of textile industry - fricative fibre and oakum (in 2002)

	Scutched flax (t)	Oakum from scutching mill (t)	Combed Flax (t)	Combed Oakum (t)
Domestic production	1733	1202	110	39
Import	1916	441	266	734
Total	3649	1643	376	773

Production of long fibres

	Purchase of retted stalk (t)	Average yield of long flax in scutching mill (%)	Total production of long fibre (t)	Total production of long fibre per 1 ha (kg)
1996	18 272	10	1 830	310
1997	6 439	11	708	352
1998	11 185	10	1 235	300
1999	17 484	12	2 098	392
2000	13 929	13.3	2 235	210
2001	17 865	8.6	1 596	230
2002	15 271	9.2	1 598	280

Production of flax products

	1993	1994	1995	1996	1997	1998	1999
Flax yarn (in tonnes)	5 597	6 660	7 550	2 948	3 623	4 305	4 835
Flax textile (in thousands m ²)	61 873	49 049	44 436	27 329	27 504	23 577	20 938

Necessary extent of cultivation of bast flax for full covering of the needs of the manufacturing industry in long fibre

		2000	2001	2002	2003
Need of long fibre	t/year	4500	5970	4300	4900
Production of long fibre	t/ha	0.21	0.23	0.28	0.4
Yield of dew retted stalks	t/ha	2.4	3.4	2.73	3.4
Sowing area need	ha	20000	25000	15300	12250
Expected sowing area for flax	ha	6302	7094	5885	6050

For continual production the fore stocking is necessary from previous harvest.

Consumption (in tonnes) of selected raw textile materials in 1995-2000

Year	Scutched flax (t)	Flax scutched tow (t)	Scutched hemp (t)	Flaxy yarn (t)
1995	7214	4229	5	3505
1996	3765	1707	66	2279
1997	4223	2950	-	4833
1998	5576	1046	1,5	6373
1999	4298	668	4,5	3996
2000	4879	1625	18	3096

Cropping patterns for potato

Marketing year	Arable land by crop (ha)	Yield per hectare (t/ha)	Complete production (t)
1995/96	77 869	17,08	1 330 119
1996/97	85 710	21	1 800 272
1997/98	72 625	19,3	1 401 663
1998/99	71 855	21,15	1 519 768
1999/00	71 455	19,69	1 406 832
2000/01	69 198	21,33	1 475 992

2001/02	54 137	20,88	1 130 477
2002/03	46 914	23,57	1 105 960
2003/04*	44 585	20,51	914 517

*... estimated

Overview of potato production, 1996-2004

Year	Units	1996/97	1997/98	1998/99	1999/00	2000/01	2001/02	2002/03	2003/04*
Early potato (human consumption and seedling)									
Harvested area	1000 ha	20.48	18.5	18.48	17.91	15.66	11.38	11.60	10.07
Aver. yield	t/ha	15.88	14.66	15.63	16.62	14.46	16.46	18.65	18.92
Consumable potato (human consumption and seedling)									
Harvested area	1000 ha	60.19	49.21	49.39	49.7	49.50	37.54	38.39	37.85
Aver. yield	t/ha	22.48	20.72	22.84	20.54	22.96	21.64	24.67	21.04
Industrial potato (processing and seedling)									
Harvested area	1000 ha	5.03	4.92	3.98	3.85	4.04	5.23	6.92	6.65
Aver. yield	t/ha	24.21	22.52	25.78	22.98	28.01	25.05	27.29	20.71
Complete harv. area	1000 ha	85.71	72.63	71.86	71.46	69.20	54.30	46.91	44.58
Potato production									
Early cultivars	1000 tonnes	325.23	271.17	288.92	297.58	226.43	187.24	216.37	190.67
Late cultivars	1000 tonnes	1353.18	1019.75	1128.18	1020.76	1136.36	812.44	700.60	586.11
Industrial potato	1000 tonnes	121.86	110.74	102.67	88.49	113.18	130.79	188.99	137.73
Complete potato	1000 tonnes	1800.3	1401.7	1519.8	1406.8	1475.9	1130.5	1105.9	914.5
Complete yield	t/ha	21	19.3	21.15	19.69	21.33	20.88	23.57	20.51
Potato import	1000 tonnes	12.45	39.12	13.27	50.77	17.41	65.53	39.70	50.00
Complete offer	1000 tonnes	1812.7	1440.8	1533.0	1457.6	1493.4	1312.2	1269.7	1094.5
Usage of potato *									
Human consump.	1000 tonnes	796	800	780	780	780	778	778	770
Starch production	1000 tonnes	150	110	75	80	151	131	197	138
Seedling	1000 tonnes	280	240	240	240	210	216	141	132
Feed and losses	1000 tonnes	584.05	288.82	429.69	354.56	339	163	128	15

Export	1000 tonnes	2.67	1.96	8.35	3.04	13.50	3.70	3.76	10.00
Complete	1000 tonnes	1812.7	1440.8	1533.0	1457.6	1493.4	1312.2	1269.7	1094.5

*...estimation of Ministry of Agriculture

Evolution of production of industrial potato including seedling, 1990-2004

	Harvested area (ha)	Aver. yield (tonnes/ha)	Production (tonnes)
1990/91	14 054	15,7	220 649
1991/92	8 891	18,86	167 750
1992/93	7 771	20,32	157 906
1993/94	5 500	28,5	156 750
1994/95	5 205	17,59	91 560
1995/96	4 834	18,91	91 434
1996/97	5 034	24,21	121 862
1997/98	4 917	22,52	110 745
1998/99	3 983	25,78	102 670
1999/00	3 851	22,98	88 493
2000/01	4 041	28,01	113 184
2001/02	5 221	25,05	130 759
2002/03	6 924	27,29	188 994
2003/04*	6 650	20,71	137 731

*...estimation

Progress of growing industrial potatoes for starch production

Year	Harvested area (ha)	Average yield (t/ha)	Aver. starch content (%)	Aver. starch yield (t/ha)
1997	4917	28.65	18.4	5.3
1998	3983	28.20	18.1	5.1
1999	3851	26.30	18.6	4.9
2000	4041	34.09	18.2	6.2
2001	5232	30.08	17.6	5.3
2002	5007	35.00	17.6	6.1

Import and export of dextrin and modified starches (metric tonnes)

	1995	1996	1997	1998	1999	2000	2001	2002	2003
Import	5 393	3 719	5 223	5 904	8 100	9979	7630	13106	6718
Export	2 376	620	749	1 089	2 304	2541	4986	8663	5536

* up to 30.6.2003

Overview of cereal production in 1999/2000 (from May 2000)

	Unit	Winter wheat	Spring wheat	Wheat (total)	Rye	Winter barley	Spring barley	Barley (total)
Sowing area	1000 ha	745	122,6	867,6	55,2	164,4	379,3	543,7
Harvested area	1000 ha	744,6	122,5	867,1	55,1	164,1	378,8	542,9
Yield	t/ha	4,77	3,91	4,65	3,67	4,05	3,89	3,94
Production	1000 t	3 549,7	478,6	4 028,3	202,4	664,1	1 473,3	2 137,4

Reserve	1000 t	826,1	161,5	568,7
Import	1000 t	30	2	30
Complete offer	1000 t	4 884,4	365,9	2 736,1
Internal consumption	1000 t	3 348,9	232	2 271,8
From that	1000 t	1 170	180	615
-food				
-seedling	1000 t	198,9	12	96,8
-feed	1000 t	1 960	40	1 560
-technical use	1000 t	20	0	0
Export	1000 t	950	10	320
Complete use	1000 t	4 298,9	242	2 591,8

	Unit	Oats	Corn	Triticale	Other cereals	Other cereals (total)	In total
Sowing area	t/ha	54,4	33	26	6,8	32,7	1 586,6
Harvested area	t/ha	54	39,4	26	6,6	32,6	1 591,1
Yield	t/ha	3,32	6,6	4,14	2,01	3,71	4,35
Production	t/ha	179,1	260,5	107,4	13,3	120,7	6 928,4
Reserve	t/ha	24,4	96,7			5	1 682,4
Import	t/ha	1	80			1	144
Complete offer	t/ha	204,5	437,2			126,7	8 754,8
Internal consumption	t/ha	174,6	342,2			103,8	6 473,3
From that	t/ha	20	10			6	2 001
-food							
-seedling	t/ha	14,6	12,2			7,8	342,3
-feed	t/ha	140	320			90	4 110
-technical use	t/ha	0	0			0	20
Export	t/ha	10	30			10	1 330
Complete use	t/ha	184,6	372,2			113,8	7 803,3

Estimated results of potential biomass use for energy in the Czech Republic after 2010 and after 2020.

Type of biomass	Source of biomass	after 2010		after 2020	
		Mt/year	PJ/year	Mt/year	PJ/year
Firewood	waste of cut and manipulation	2.6	31.2	3.0	36.0
Cereal straw	25% of total yield	1.6	22.4	1.6	22.4
Straw of oil	100% of total yield	0.9	12.2	0.9	12.2
Grasses	perennial growth	0.8	4.8	1.2	7.2
Used wood	wood residues	0.6	8.1	0.9	12.2
Energetic crops	plantation on devoted soil	0.8	8.8	4.0	44.0
Bio-diesel	rape oil	0.1	4.2	0.2	8.4
ETBE/ ethanol	sugar beet, cereals	--	--	0.1	4.1

Total biomass potential	7.4	91.7	11.9	146.5
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Import of preparations for surfacing in 1995-2000 (in tonnes)

Import	1995	1996	1997	1998	1999	2000*
1.1.-31.8.	5 498	1 643	2 648	3 718	3 787	2 765
1.9.-31.12.	3 467	978	1 783	2 247	1 434	971
Total	8 965	2 621	4 431	5 965	5 221	1 365

Export	1995	1996	1997	1998	1999	2000*
1.1.-31.8.	103	182	255	284	225	207
1.9.-31.12.	134	86	92	120	98	45
Total	237	268	347	404	323	252

*...until 31.10.2000

Paper production (year 1997-1998), in thousand tonnes

Sort of paper	1997	1998
news paper	94	102
woody, non-coated	37	47
non-woody, non-coated	134	118
woody, coated	0	0
non-woody, coated	14	13
hygienic and home	25	23
materials for corrugated cardboard	217	212
jigsaw cardboard	37	21
packing papers	178	182
other papers and cartonnes	57	66
Total	793	784

Total production of medicinal, flavouring and spice plants

Year	Medicinal plants			Spice plants		
	Harvest. area (ha)	Production (t)	Yield (t/ha)	Harvest. area (ha)	Production (t)	Yield (t/ha)
1996	5306	3636	0,69	10483	7314	0,70
1997	6127	3570	0,58	7018	5663	0,81
1998	6362	5282	0,83	3315	2039	0,62
1999	950	578	0,61	2557	1565	0,61
2000	2201	2118	0,96	4818	2440	0,51
2001	1500	974	0,65	4871	3292	0,68
2002	2841	2086	0,73	5118	3709	0,72

Production of medicinal, flavouring and spice plants except the three main plants (caraway, milk thistle and ergot)

	Harvest. area (ha)	Production (t)	Yield (t/ha)
1993	470	127,1	3,7
1994	420	120,4	3,5
1995	366	98,9	3,7
1996	350	89,7	3,9
1997	360	83,7	4,3
1998	389	99,7	3,9
1999	420	113,5	3,7
2000	352	90,5	3,9
2001	327	87,1	3,8

Processing and usage of medicinal and aromatic plants (without spices) (tonnes)

	1997	1998	1999	2000	2001	2002
Pharmaceutical	93.0	156.0	325.0	1118.0	930.0	900.0
Food	360.2	366.2	324.4	640.0	650.0	660.0
Others	919.0	1000.0	923.0	1100.0	1112.0	1115.0
Total	1372.2	1522.2	1572.4	2856.0	2692.0	2675.0