

Online Material

Appendix I (supplementary data): Beekeeping practices across Europe. The national beekeeping statistics of 33 countries were obtained through research institutes and beekeeping organizations, the European Food Safety Authority (EFSA, 2008) and an open access data base (APISERVICES). Queen breeding statistics of seven countries were obtained from Lodesani and Costa (2003). No data older than ten years were employed in this survey.

Country	Area (km ²)	Number of Hives	Number of Beekeepers	Subspecies Kept (%)	Queen Import*	Migratory Beekeeping ^a	Reared Queens per year ^b	Registered Queen Breeders	Year	Source
Albania	28748	90000	5000						1998	Albanian Beekeeping Association
Austria	83858	343121	25027				60000 ^f	275 ^f	2002	Österreichischer Imkerbund; Lodesani and Costa, 2003
Belgium	30510	110000	7500	1 ^d	14	yes	2000	6	2007	Flemish Beekeeping Extension Centre
Bulgaria	110910	750000	40000				57500 ^g		2007	Dept. of Developmental Biology, University of Plovdiv "P. Hilendarski"
Croatia	56542	450000	7000	100 ^e		no	22858	24	2007	Faculty of Agriculture, University of Zagreb
Cyprus	9251	40533	712						2007	EFSA, 2008
Czech Republic	78866	520084	48919	100 ^e		no	30000	120	2007	Bee Research Institute, Dol; EFSA, 2008
Denmark	43094	167000	4000	25 ^d	40	yes			2008	Faculty of Agricultural Sciences, University of Aarhus EFSA, 2008
Estonia	45227	48000	7000						2008	Finnish Beekeepers' Association
Finland	338145	52000	2800	98	2	yes	6000 ^h	15 ^h	2007	Centre National de Développement Apicole; ANERCEA; EFSA, 2008
France	547030	1243046	65050	28 ^d	9	yes	17000 ⁱ	47 ⁱ	2007	Deutscher Imkerbund E.V.; Lodesani and Costa, 2003
Germany	357021	655644	80142			yes	70000 ^j	270 ^j	2007	Lab. of Agricultural Zoology and Entomology, Agricultural University of Athens; Lodesani and Costa, 2003; EFSA, 2008
Greece	131940	1400000	23000				2000 ^k	5 ^k		
Hungary	93030	960000	14800	100 ^e		no	45000	39	2007	Hungarian Beekeepers Federation
Ireland	70280	20000	2200	100 ^d		no		0	2007	Federation of Irish Beekeepers' Associations; EFSA, 2008
Italy	301230	900000	75000			yes	400000	26	2007	INAPICOLTURA
Latvia	64589	70000	3400						2007	EFSA, 2008
Lithuania	65200	110000	11000						2007	EFSA, 2008
Luxembourg	2586	10213	650						2002	Union des Apiculteurs du canton de Capellen
Netherlands	41526	80000	7500	90 ^d	5	yes	16200	0	2007	Plant Research International; EFSA, 2008
Norway	385252	60000	3000	17 ^d	66	yes	95000 ^g	26	2008	Norwegian Beekeepers Association
Poland	312685	1091930	39410					51 ^g	2007	Apiculture Division in Pulawy, Research Institute of Pomology and Floriculture
Portugal	92345	655000	32500						2003	Associação dos Apicultores do Norte de Portugal
Romania	238391	1149529	45000		10				2007	Romanian Beekeeping Association; Dept. of Apiculture and Sericulture, Univ. of Agricultural Sciences and Veterinary Medicine, Cluj-napoca
Serbia ^e	88361	350000	12000						1998	APISERVICES
Slovak Republic	48845	242533	14156	100 ^e		no	8500 ^l	47 ^l	2007	Slovak University of Agriculture in Nitra
Slovenia	20273	170682	7620	100 ^e		no	13000	32	2006	Agricultural Institute of Slovenia
Spain	504030	2320949	23265			yes		10 ^k	2006	Lodesani and Costa, 2003; COAG, 2007
Sweden	449964	110000	10000			no	5000 ^k	30 ^k	2008	Swedish Beekeepers Association; Lodesani and Costa, 2003
Switzerland	41290	200000	20000			yes	26000		2008	Centre suisse de recherches apicoles
Turkey	783562	4825596	28007			yes	576535	159	2007	Dept. of Biology, Middle East Technical University
Ukraine	603628	3000000	50000			yes			2003	APISERVICES
United Kingdom	244820	274000	43500			yes	2000 ^k	10 ^k	2001	National Bee Unit, Lodesani and Costa, 2003

^a Only reported as "yes", when undertaken as a common practice, ^b Only including queens reared by registered queen breeders, ^c Including Kosovo, ^d *A. m. mellifera*, ^e *A. m. carnica*, ^f 2001 figure, ^g 2006 figure, ^h 2007 figure, ⁱ 2004 figure, ^j 2000 figure, ^k 2002 figure, ^l 2008 figure.