



The ECPGR *Lens* Database

Aegean Agricultural Research Institute- AARI
PO Box 9, Menemen, 35661, Izmir, Turkey

Tel: ++(90-232) 8461331; Fax: ++(90-232) 8461107

Database manager: [Ms Lerzan Gül Aykas](#)



The *Lens* database was established at Aegean Agricultural Research Institute. First survey was made in 1997 aimed at identifying the existing collections of *Lens* sp. in Europe. Second survey was carried out in 2001 to update available information on the collections. Finally, database is made available on-line on the IPGRI server by May 2002. Unfortunately, since 1997, very few European countries joined the *Lens* Database and no additional contribution was received. Therefore, since the last meeting of the Working Group on Grain legumes in Poland (2001) there have been no significant changes in the *Lens* Database (Table 1).

Table 1. Summary Information About ECPGR Lentil Database

COUNTRY	No <i>Lens</i> collection, no data	Not replied	Information received
AUSTRIA	X		
CZECH REPUBLIC	X		
ENGLAND	X		
FINLAND	X		
NETHERLANDS	X		
BULGARIA		X	
CROATIA		X	
FRANCE		X	
HUNGARY		X	
IRELAND		X	
ITALY		X	
LITHUANIA		X	
MALTA		X	
NORDIC COUNTRIES		X	
POLAND		X	
PORTUGAL		X	
SLOVAKIA		X	
SLOVENIA		X	
CYPRUS			Information received for 19 accessions.
GERMANY			Information received for 317 accessions.
GREECE			Information received for 97 accessions.
ISRAEL			Information received for 102 accessions.
RUSSIA			Information received for 2513 accessions.
SEWEDEN			Information received for 1 accessions
SPAIN			Information received for 545 accessions.
TURKEY			Information received for 1087 accessions.

At present, The ECPGR Lentil Database contains a total of 4681 records from 8 countries. Three of the biggest collections (Russia, Turkey and Spain) hold about 88,54 % of the total number of accessions (Table 2).

Table 2. Contributions to the European *Lens* Database

Country	Data received (no. of accessions)
RUSSIA	2513
TURKEY	1087
SPAIN	545
GERMANY	317
ISRAEL	102
GREECE	97
CYPRUS	19
SWEDEN	1
Total	4681

The structure of the database was organized according to the FAO/IPGRI Multi-crop Passport Descriptors. Data for a minimum of 18 passport descriptors were requested: Country, Institute code, Accession number, Other Number, Genus, Species, Subtaxa, Accession Name, Code of Origin Country, Origin City, Collection Site, Longitude, Latitude, Elevation, Sample Status, Donor Name, Donor Number, Seed availability.

At present, The ECPGR Lentil Database contains 4681 accessions representing 7 lentil species (*Lens culinaris* 4579, *Lens ervoides* 19, *Lens lamottei* 5, *Lens montbretii* 5, *Lens nigricans* 38, *Lens odemensis* 9, *Lens orientalis* 4, *Lens sp.* 22) from 8 countries. *Lens culinaris* is the most representative species in Europe with 97,8% of all accessions, and is represented in all countries (Table 3).

Table 3. Species included in the *Lens* Database

Species	No. of accessions
<i>Lens culinaris</i>	4579
<i>Lens ervoides</i>	19
<i>Lens lamottei</i>	5
<i>Lens montbretii</i>	5
<i>Lens nigricans</i>	38
<i>Lens odemensis</i>	9
<i>Lens orientalis</i>	4
<i>Lens sp.</i>	22
Total	4681

The analysis of data on the country of origin of collected accessions shows that *Lens* accessions originate from approximately 66 countries and the country of origin of 579 accessions are unknown (Table 4). Cyprus, Greece, Israel and Turkey hold their own collections. The source of other countries collections consist of different countries of origin. Because of the incomplete data, it was not possible to identify the duplicates samples/accessions. Especially donor numbers and donor institute should be completed if these information available.

Table 4. Countries of origin for collected lentil genetic resources for 4681 accessions.

Country of origin	Country code	No. of accessions
Turkey	TUR	1297
Origin Unknown	-	579
Russian Federation	RUS	567
Spain	ESP	311
Greece	GRC	284
Israel	ISR	175
India	IND	159
Bulgaria	BGR	105
Ethiopia	ETH	96
Syria	SYR	89
Afganistan	AFG	86
Italy	ITA	86
Iran	IRN	79
Ukraine	UKR	77
Azerbaijan	AZE	61
Tajikistan	TJK	61
Czechoslovakia	CSK	53
Armenia	ARM	39
France	FRA	32
Union of Soviet Socialist Republics	SUN	32
Mexico	MEX	31
Cyprus	CYP	30
Ecuador	ECU	27
Marocco	MAR	24
Georgia	GEO	21
Canada	CAN	19
Germany	DEU	19
Tunisia	TUN	18
Jordan	JOR	17
Hungary	HUN	16
Columbia	COL	12
Algeria	DZA	11
Portugal	PRT	11
China	CHN	10
Iraq	IRQ	10
German Democratic Republic	DDR	9
Egypt	EGY	9
Uzbekistan	UZB	9
Lebanon	LBN	8
Libya	LBY	8
United States	USA	8
Albania	ALB	7
Bolivia	BOL	7
Chile	CHL	7
Yemen	YEM	7
Yugoslavia	YUG	7
Guatemala	GTM	5
Pakistan	PAK	5

Table 4. continued

Country of origin	Country code	No. of accessions
Syrian Arab Republic	SYR	5
Yemen Peopl. Dem. Rep.	YMD	5
Romania	ROM	4
Bangladesh	BGD	3
Nepal	NPL	3
Poland	POL	3
Costa Rica	CRI	2
Cuba	CUB	2
Kazakhstan	KAZ	2
Panama	PAN	2
Peru	PER	2
Turkmenistan	TKM	2
Argentina	AGR	1
Belgium	BEL	1
Brazil	BRA	1
Europe	EUR	1
Sweden	SWE	1
South Africa	ZAF	1
Total		4681

Countries are indicated as their former names except *Germany*.

It is planned that the *Lens* Database be made updated according to the FAO/IPGRI Multi-crop Passport Descriptors and will be converted to the EURISCO descriptors with additional information in 2008.