

1. Record Nr.	UNINA9910298289303321
Autore	Ladizinsky Gideon
Titolo	The Search for Wild Relatives of Cool Season Legumes // by Gideon Ladizinsky, Shahal Abbo
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-14505-3
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (110 p.)
Collana	SpringerBriefs in Plant Science, , 2192-1229
Disciplina	570 577 581.35 631.52 660.6
Soggetti	Plant breeding Ecology Plant genetics Plant Breeding/Biotechnology Plant Genetics and Genomics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	The Lens Genus -- The Annual Species of the Cicer Genus -- The Pisum Genus -- Legumes with No Documented Genetic Relatives -- Fodder Crops.
Sommario/riassunto	This work is a result of 40 years of research, mainly by the authors, on wild relatives of seven important cool season legumes. The primary aim of this research was to identifying the potential of wild relatives of these legumes for breeding purposes. Studying the wild relatives of cool season legumes includes evaluation of their taxonomic status, their morphological variation, ecological requirements, exploration of their distribution, and seed collection in their natural habitats. These seeds were used for examining their protein profile as preliminary hints of their affinity to the cultigens. Plants grown from these seeds were used for establishing their karyotype, producing intra- and interspecific hybrids and analyses of their chromosome pairing at meiosis and

fertility. The aim of these investigations was the identification of the potential wild gene pool of the domesticated forms. Assessment of genetic variation among accessions, particularly in the genus *Lens*, was made by isozymes and chloroplast DNA studies.

---