



The Search for Wild Relatives of Cool Season Legumes

By Gideon Ladizinsky

Springer-Verlag GmbH Apr 2015, 2015. Taschenbuch. Book Condition: Neu. 236x178x10 mm. Neuware - _The study of origin and domestication of legumes described in this book emerged when it became apparent that while this kind of information is adequate for cereals, the pulses lagged behind. At the end of the 1960s the senior author initiated a study on the chickpea's wild relatives followed by similar attempts for broad bean, fenugreek, common vetch, bitter vetch, and lentil. The junior author joined the project in the late 1980s with a study of the genetics of interspecific hybrid embryo abortion in lentil and later has extensively investigated chickpea domestication and wild peas. While this book mainly describes our research findings, pertinent results obtained by others are also discussed and evaluated. Studying the wild relatives of legumes included evaluation of their taxonomic status, their morphological variation, ecological requirements, exploration of their distribution, and seed collection in their natural habitats. Seeds were examined for their protein profile as preliminary hints of their affinity to the cultigens and 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...

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