Czech Journal of GENETICS AND PLANT BREEDING

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Czech J. Genet. Plant Breed.

Hanáková V., Bárta J., Čurn V.:

Wild potato species: characterization and biological potential for potato breeding – a revoew

Czech J. Genet. Plant Breed., 43 (2007): 73-81

Wild potato species (genus *Solanum*, section *Petota*) represent a tremendously diverse gene pool which is traditionally utilized as a source of diverse traits for potato breeding. Abiotic and biotic stress tolerance and resistance belong to the most frequently utilized traits of wild species in potato breeding programs. This review provides an introduction to the taxonomy, centre of diversity, genetic characteristics, evolution and important tolerance and resistance traits of wild potatoes and their use for potato breeding. The review has been written for readers who are interested in the problems of finding and utilization of new

resources.

Keywords:
disease and pest resistance genes; genetic resources; potato resistance breeding; wild potato species

[fulltext]