



Agricultural Journals

Czech Journal of

GENETICS AND PLANT BREEDING

[home](#) [page](#) [about us](#) [contact](#)



us

Table of Contents

IN PRESS

CJGPB 2014

CJGPB 2013

CJGPB 2012

CJGPB 2011

CJGPB 2010

CJGPB 2009

CJGPB 2008

CJGPB 2007

CJGPB 2006

CJGPB 2005

CJGPB 2004

CJGPB 2003

CJGPB 2002

CJGPB

Home

Editorial Board

For Authors

- **Authors
Declaration**
- **Instruction
to Authors**
- **Guide for
Authors**
- **Copyright
Statement**
- **Submission**

For Reviewers

- **Guide for
Reviewers**
- **Reviewers
Login**

Subscription

Czech J. Genet. Plant Breed.

M., Klíma M.:

Utilisation of doubled haploids in winter oilseed rape (*Brassica napus* L.) breeding

Czech J. Genet. Plant Breed., 38 (2002): 50-54

A survey of development and prospects of the utilisation of doubled haploid techniques in rapeseed breeding in the world and in the Czech Republic is presented. The first utilisation of spontaneously occurred haploids from *Brassica napus* inbreeding programmes is described. The development of techniques of anther and later microspore culture is outlined. Special emphasis is given to the practical use of doubled haploids for the improvement of the effectiveness of breeding new productive cultivars. Some partial results of evaluation of yield parameters and resistance to important diseases in the obtained doubled haploid

lines of winter oilseed rape are shown. The literary review and present results indicate, that the doubled haploid technique can be effectively used for the development of homozygous oilseed rape lines as an alternative to conventional methods.

Keywords:

winter oilseed rape; doubled haploid; homozygous line; breeding

[[fulltext](#)]

© 2011 [Czech Academy of Agricultural Sciences](#)

XHTML1.1 VALID

CSS VALID