

Double Haploids in *Brassica napus* L. Breeding Programs

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Abstract

The recovery of doubled haploid plants from anther or microspore culture is a constraint in breeding programs. In *Brassica napus* the extent of spontaneous diploids varied from 4 to 38 per cent. The conventional diploidization of juvenile haploids with colchicine is labour intensive and requires a generation for seed multiplication. This study examines the potential from *in vitro* diploidization of microspores and increasing the efficiency of doubled haploid breeding programs.