

Ocena efektywności regeneracji wybranych linii podwojonych haploidów rzepaku ozimego (*Brassica napus* ssp. *oleifera*)

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Regeneration efficiency evaluation of selected rapeseed (*Brassica napus* ssp. *oleifera*) doubled haploid lines

Summary

Regeneration is an important step in a process of obtaining valuable plants under *in vitro* conditions. The aim of the research was to characterize the regeneration efficiency of 14 rapeseed (*Brassica napus* ssp. *oleifera*) doubled haploid lines which were supposed to reveal different tissue response under *in vitro* conditions. The plant material consisted of cotyledonous and hypocotylous explants placed on MS medium with the addition of 1mg/l and 0,1mg/l BAP. Regeneration efficiency evaluation was calculated on the basis of shoot regenerating explants number in relation to the total number of explants. The examined genotypes were characterized by varied regeneration ability and closely related DH lines with high and low regeneration efficiency were determined.

Key words:

regeneration ability, rapeseed, doubled haploids

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