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Paper Title: Propagation in the conditions of in vitro of fruit and berry cultures for conservation and restoration ancient forms of plants

Abstract: Micropropagation of ancient plant forms and their accelerated replication for the purpose of creation of a basis of selection of fruit and berry cultures is a relevant task. For development of selection of fruit and berry cultures in the conditions of northern Kazakhstan, and for gardening improvement, local forms of plants are entered into the culture of in vitro. Test tube plants of cherry, currant, apricot are received. Various options of the MS environment with addition of the gibberelic acid (GA) in combination with the ascorbic acid (AA) are optimized. It is revealed that addition of gibberelic acid and ascorbic acid in concentration of 3 mg/l is more effective for propagation of blackcurrant.

Keyword: in vitro propagation, BAP-6 Benzylaminopurine, GA-gibberellic acid, commercial culture cherry, currant, apricot.

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