

Recent Advances of Isolated Microspore Culture Response in Durum Wheat

Authors : Zelikha Labbani

Abstract : Many biotechnology methods have been used in plant breeding programs. The in vitro isolated microspore culture is the one of these methods. For durum wheat, the use of this technology has been limited for a long time due to the low number of embryos produced and also most regeneration plants are albina. The objective of this paper is to show that using isolated microspores culture on durum wheat is possible due to the development of the new methods using the new pretreatment of the microspores before their isolation and cultivation.

Keywords : isolated microspore culture, pretreatments, in vitro embryogenesis, plant breeding program

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