

Isolated Microspore Culture in Durum Wheat

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Abstract : Since its creation in 1964 by Guha and Maheshwari in India on *Datura innoxia* Mill, in vitro androgenesis has become the method of choice in the production of doubled haploid in many species. However in durum wheat, the Doubled haploid plant breeding programs remained limited due to the low production of androgenetic embryos and converting them into fertile green plants. We describe here an efficient method for inducing embryos and regenerating green plants directly from isolated microspores of durum wheat.

Keywords : Durum wheat, haploid embryos, on in vitro, pretreatment

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