Turkish Journal of Botany

| Turkish Journal | Induction of Embryogenic Tissue from Immature Zygotic Embryos in Pinus nigra J.F.Arnold subsp. nigra var. caramanica (Loudon) Businsky |
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| of | |
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| Authors | Abstract: Embryogenic cultures (EC) of Anatolian black pine (Pinus nigra J.F.Arnold subsp. nigra var. caramanica (Loudon) Businsky) were initiated from immature pre-cotyledonary zygotic embryos sampled weekly from 16 different trees in 2 consecutive years. Douglas-fir cotyledon revised (DCR) medium supplemented with 13.6 μM of 2,4-D and 2.2 μM of BAP was used for initiation and maintenance of EC. Overall initiation frequencies of EC in the study were 0.92% in 2004 and 1.96% in 2005; tree values ranged from 0.0% to 7.32%. Overall, 0.38% and 0.62% of the initial explants were converted into established cell lines in 2004 and 2005, respectively. |
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| bot@tubitak.gov.tr | Key Words: Pinus nigra subsp. nigra var. caramanica, somatic embryogenesis, initiation, embryogenic cultures |
| <u>Scientific Journals Home</u> <u>Page</u> | Turk. J. Bot., 32 , (2008), 179-183. Full text: <u>pdf</u> Other articles published in the same issue: <u>Turk. J. Bot.,vol.32,iss.3</u> . |