

Effect of different level of BA and Kin in growth of axillary buds in shoot tip culture of *Gerbera hybrida* Bol.L

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In the first stage, shoot tips of *Gerbera hybrida* Bol.L. with 0.5 to 1.0 cm length were separated and cultured on modified Murashige and Skoog medium supplemented with 5 levels of BA(0.0,0.2,1.0,2.0,3.0) mg/l and 4 levels of Kin(0.0,0.2,1.0,2.0) mg/l. The reaserch was done on factorial design with 20 hormonal treatments and with 6 replications. RThe photoperiod of enviromental chamber of culture units were: 16 hours light(about 3000 Lux) and 8 hours darkness in 25 c during days and 18 c during night. All of the charactheres were recorded once every two weeks, 4 records before subculture and 2 records after it. Results show that: Treatment with 2 mg/l BA increased developed buds and plantlets, but 3 mg/l BA decreased these characters. Treatment with 0.2 mg/l Kin increased developed buds and plantlets, but 1.0 & 2.0 mg/l Kin decreased these characters. The highest record of developed buds and plantlet was shown in 2.0 mg/l BA plus 0.2 mg/l Kin.