



Amelioration Some Characters of Local Musk Melon by antherculture

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Abstract: We use the anthers of two types of the local musk melon,(long shape & round shape). Regarding the two types, were isolated in three phases (three days before the flower bud opening, one day before the flower bud opening and the opening day of the flower bud). These anthers were planted on food solution of (Murashige et Skoog), by adding (BA-BAP-KIN-2,4-D-NAA) in different solution concentrations,

- Difference results in hormone's sort and concentration and it's relation time to bud's age of flowering stages and producing callus in different stages between (0-100)% with the sort and hormone concentration or flowering stage.

– using (2,4-D,BA) on taken anthers from the three periods of flowering produce 100%callus in most concentrations for both types.

– using (2,4-D,Bap) on taken anthers from the first period of flowering produce 100 %callus in most concentrations for both types.

– using(KIN,NAA) on taken anthers from the first period of flowering produce 100%callus in most concentrations for both types.

–Exposed anthers to hormone shock by increasing hormone density before culture didn't produce vegetative growths during the different periods of flowering.

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