

FACTORS AFFECTING *IN VITRO* MULTIPLICATION OF DATE PALM

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In vitro rapid multiplication protocol of Egyptian date palm (CV. Zaghloul) was developed. The developed protocol involves the culture of shoot tip explants onto Murashige and Skoog (MS) medium supplemented with 2 mg/1 dimethylaminopurine (2ip) + 1mg/1 naphthalene acetic acid (NAA). Shoots were proliferated onto MS medium contained 3 mg/1 2iP+0.5 mg/1 NAA. Full strength MS salts, 30 g/1 sucrose and 1 g/1 phytigel were found to be the optimal conditions for rapid multiplication.