EFFECT OF GAMMA IRRADIATION ON THRIPS AND TISSUE CHARACTERISTICS OF
Dendrobium sonia BOM # 17

Authors : Mantana Buanong, Sirichai Kanlayanarat
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The effects of gamma irradiation on thrips disinfestation and tissue characteristics of Dendrobium Sonia 'Bom#17' were studied after irradiation at 0, 1.0, 1.5 and 2.0 kGy. At doses of 2.0 and 1.5 kGy, all thrips were completely killed in 2 and 4 days after irradiation, respectively. Thrips survived for up to 14 days on untreated flowers (0 kGy). The tissues of irradiated flowers were examined with a scanning electron microscope (SEM). Tissues of both buds and flowers during anthesis were damaged by 2.0 kGy irradiation. The tissues of untreated flowers were normal.