

GAMMA IRRADIATION ON SEED GERMINATION OF THAILAND UPLAND RICE (*Oryza sativa* L.)

A study was carried to investigate the effect of gamma ray irradiation on seed viability of upland rice (*Oryza sativa* L.) on cultivated method. Long harvesting age and low productivity are the inhibiting factor in upland rice breeding. The objectives of this research were to increased productivity of upland rice using gamma-ray radiation at dose of 0, 20, 40, 60, 80, 100 Gy. The results indicated that Jaw Haw cultivar is very potential radiation significantly the increase the growth parameter. In addition, lower doses of radiation treatment may be used to increase the germination, growth and vigor in upland rice.

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