

REMOTE INFLUENCE OF IONIZING RADIATION ON THE PROCESSES OF GROWTH IN A PLANT ORGANISM

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The research of mutual effect of plant organs during the formation of radiation effect was carried out by means of a local irradiation of roots or stems of *Pisum sativum L.* seedlings in doses 0,5 - 15,0 Gy. Both stimulating and inhibiting effects of the separate irradiated organ on unirradiated part of a plant were shown. The sign of the effect depended on a dose, but the intensity of exerting depended on the time interval after irradiation. It is established that radiosensitivity of stems is a little bit higher than radiosensitivity of roots. The radiobiological response of stems is more dependent on irradiation of last organism parts than the radiobiological response of roots.