

ROLE OF SUPPLEMENTAL UV-B RADIATION ON FLOWER AND POD FORMATION IN PEA (*PISUM SATIVUM* L.).

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Abstract : Sun is the basic source of energy on the planet earth. It emits UV rays along with solar radiation. These UV rays (UV-B) increase the average temperature of the earth and harmful for living beings. A field experiment was conducted to observe the impact of supplemental UV-B radiation on flower and pod formation in pea (*Pisum sativum* L.). Supplemental UV-B radiation was given to the plant for different time periods (0, 1 hour, 2 hour and 3 hour) by halogen lamps. First time treatment was given when germination started and it was continued upto the maturity of crop. The study revealed that exposure of supplemental UV-B showed promotary effect over control in terms of number, fresh and dry weight of flower and pod in *Pisum sativum* L.

Keywords : *Pisum sativum* L., Supplemental UV-B radiation, flower, pod

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