

# IMPACT OF SUPPLEMENTAL UV-B RADIATION ON FLOWER AND POD FORMATION IN CHICKPEA (*CICER ARIETINUM* L).

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**Abstract:** Surface level ultraviolet radiation (280-320nm) and ozone are components of the global climate and any increase in their levels can lead to adverse effects on crop growth and productivity on a broad geographic scale. The object of this study was to determine the effect of season long exposure of supplemental UV-B on flower and pod formation in *Cicer arietinum* L. The study revealed that supplemental UV-B radiation promoted the number, fresh weight and dry weight of flower and pod if it was given for 1 hr and 2 hr however 3 hr supplemental UV-B radiation inhibited number, fresh weight and dry weight of flower and pod in *Cicer arietinum* L.

**Keywords:** *Cicer arietinum*, Supplemental UV-B radiation, Flower, Pod

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