



RESEARCH ARTICLE :

Responses of wilt tolerant varieties of lentil under Bundelkhand condition of Uttar Pradesh

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SUMMARY : The adaptive trial was laidout during *Rabi* season with the objective to increase the lentil production with wilt tolerant varieties and replace the old cultivars, which is in vogue. The soil of operational area is *Kabar*, having low fertility status. The wilt tolerant cultivars *DPL-62*, *K-75* and *PL-406* were tested with local variety, which is popularized among the farming majority. The cultivars were planted in the first fortnight of November and harvested after 128 DAS in the second fortnight of March. The highest average yield of lentil was recorded in cultivar *DRL-62* by 15.75 q/ha, which lowest average seed yield of 13.00 q/ha was recorded in local check, varieties *K-75* and *PL-406* produced grain yield by 14.75 q/ha and 14.00 q/ha, respectively. The yield contributing character were concordance to grain yield of lentil. The maximum BCR 1:2.36 was calculated with cultivar *DPL-62* closely followed by *K-75* (1:2.14). The minimum BCR noted under local check.

KEY WORDS:

Autumn season,
Desiccate area,
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area

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