

Original Research Article

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## Genotype × Environment Interaction and Stability Analysis of *Kharif* Potato in Koraput Region of Odisha, India

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### ABSTRACT

#### Keywords

Stability, *Kharif* Potato, *Solanum tuberosum* L., Marketable yield, Regression.

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The present investigation was conducted during *kharif* seasons of 2014 and 2015 over four different environments to study stability analysis in potato during *Kharif* season in Koraput region of Odisha. The field study was laid out in randomised block design in three replications. The 16 genotypes used in the study included released varieties, hybrids of potato belonging to *Solanum tuberosum* sub sp. *Tuberosum*. Of the 16 varieties evaluated; Kufri Lalit, Kufri Lalima, Kufri Pukhraj and Kufri Jyoti showed better adaptability for yield/plant and marketable yield. As per the stability criteria of Eberhart and Russell (1966) for yield/plant and marketable yield, Kufri Jyoti and Kufri Ashok and Kufri Khyati were stable in all the locations. The mentioned varieties can be recommended to farmers for cultivation for off-season potato in Koraput region. The information obtained from the present study could be exploited in breeding programmes to develop superior genotypes for off-season potato cultivation in the region.