



## DYNAMICS OF SEED POTATO UTILIZATION IN HIGH TEMPERATURE CONDITIONS UNDER SEMI-ARID ECOSYSTEM

Neeraj Sharma\*, Rajesh K. Rana<sup>1</sup>, S. Arya, M. S. Kadian and B. P. Singh<sup>1</sup>

International Potato Centre-South West and Central Asia, N.A.S.C. Complex, New Delhi-110 012, India.

<sup>1</sup>Centre Potato Research Institute, Shimla - 171 001, India.

E-mail: n.sharma@cgiar.org

### Abstract

In order to understand dynamics of seed potato utilization, a joint survey was conducted by CIP and CPRI during 2009 covering 93 respondents from three randomly selected villages of Gandhinagar district in Gujarat. Kufri Badshah was the leading potato variety followed by Kufri Pukhraj and Kufri Lauvkar. The research paper describes the farm size category wise seed potato replacement rate, seed potato supply source, replacement and retention of own seed potato, method employed for seed potato production and rate of seed potato use. Size of seed tubers used along with the form of seed use *i.e.* cut or whole was also studied for all farm size categories of the respondents. Variety wise potato productivity and adoption rate of different varieties provide crucial information not only to the varietal developmental programmes/teams, but also to the policy makers in order to take informed decisions for keeping a check on unhealthy fluctuations in the prices of seed potato.

**Key words :** Heat stress, Seed potato utilization, Seed replacement rate, Varietal adoption.