

**INVESTIGATION FOR FOREMOST DISEASES OF POTATO CROP IN SEEDS RECEIVED FROM DIVERSE SOURCES UNDER NORTH GUJARAT CONDITION****Prashant B. Sandipan<sup>1\*</sup>, Rathod, N.K., Nital N. Patel, R.L. Patel and D.T. Chaudhari**

<sup>1</sup> *Main Cotton Research Station (MCRS),  
N.A.U., Surat – 395 007 (Gujarat), India  
Email: prashantsandipan@gmail.com*

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**Abstract:** During a survey in Gujarat, three types of tuber rots were recorded on potato tubers. A total of 125 seed samples containing 400 tubers each, representing five different seed sources viz., seeds from Himachal Pradesh, Uttar Pradesh, Punjab, Gujarat (Potato seeds produced by seed plot technique at Potato Research Station, Deesa) and Market seeds were examined before planting in respective years. The results of survey revealed that the Market seed was heavily infected with all the tuber rot diseases in comparison to other sources of seed. Dry rot and soft rot were observed in all the sources of seed. Maximum incidence of charcoal rot was observed in Market seed (6.00 %) and negligible in Uttar Pradesh (0.37 %) and Punjab (0.25 %) seed whereas, Himachal Pradesh seed and Deesa seed were free from charcoal rot disease.

**Keywords:** Incidence, Dry rot, Charcoal rot, Soft rot

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\*Corresponding Author