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Performance of popular varieties of potato against diseases in coastal plains of Odisha

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ABSTRACT : Potato is one of the most popular vegetable crop of Odisha consumed by all sections of people irrespective of its age. Major contributing factor for reduction of yield in the state is due to occurrence of different diseases at different stages of crop growth. The selection of varieties plays an important role to combat the disease problem. The present studies were conducted in coastal plains of the state on the performance of three popular varieties, *i.e.*, Kufri Chandramukhi, Kufri Ashoka and Kufri Jyoti consecutively for three years from 2005-06 to 2007-08 following standard fixed plot survey method. It is revealed that early blight, late blight, phoma blight, black leg, bacterial wilt, leaf roll, mild mosaic, were commonly occurred in growth stage while brown rot, soft rot and scab were observed at harvest. Among these varieties Kufri Jyoti produced maximum yield (15.01t/h) with least disease incidence followed by Kufri Ashoka (11.63t/h) and Kufri Chandramukhi (12.40t/h) under natural condition.

KEY WORDS : Varieties, Diseases, Fixed plot survey, Coastal plains

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