

# Assessment of technological gap and performance of management of common scab of potato

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## ABSTRACT

Common scab (*Streptomyces scabies*) disease of potato is becoming prominent in many potato-growing districts of Rajasthan resulting in economic losses, since a decade. The experiment was executed out to assess the technological gap and performance of management approaches. Potato tubers of cultivar *Kufri Bahar* was treated with 3.0 per cent boric acid before planting (spray) for the duration of time 30 min and evaluated against the pathogen. This experiment was conducted as on farm trials (OFT) at different villages likewise Phoospura, Naurangabad, Moosalpur, Saktpur and Sarkankhera in Dholpur district for two years (2017-18 to 2018-19). As a result of this experiment treated tuber plants registered the lowest disease incidence (10.6%) and disease control (75.05) as compared to existing farmer practices (FP). The adoption of demonstrated technology was improved potato production and plant protection measures. The OFT was effective in changing the attitude, skill and knowledge of plant protection approach. Potato yield also increased upto 10.37 per cent as compared to the existing FP. Results indicates that plant protection approach increased the net income by Rs. 80580/- ha over the existing FP. It is suggested to organize demonstrations at farmers field on technology assessed through OFT by agriculture department for minimizing the technological gap and increased yield of quality potato.

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