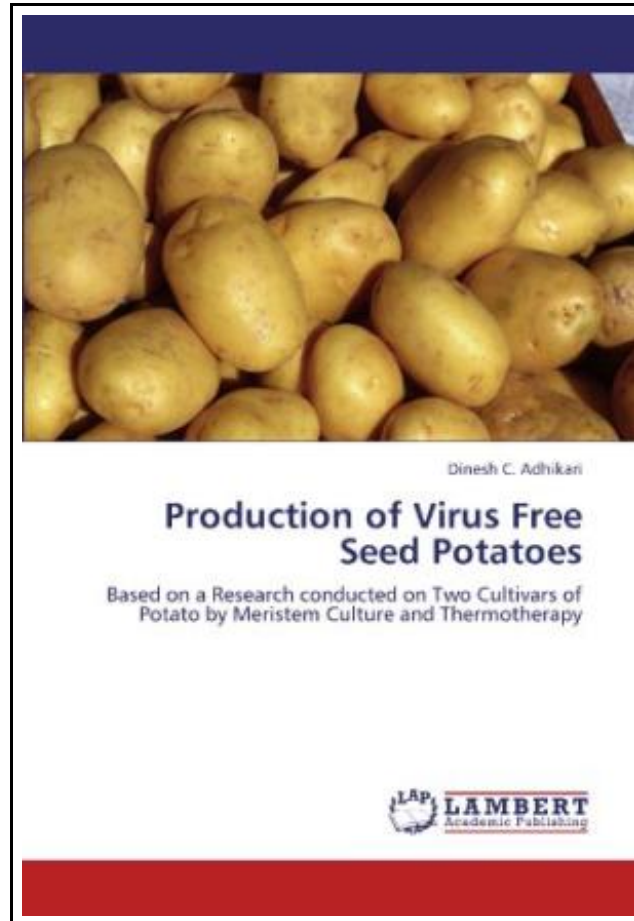


Production of Virus Free Seed Potatoes



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Reviews

Definitely among the best book I have possibly read. I have study and i am sure that i will going to go through once more once more later on. Your lifestyle span is going to be convert when you full looking at this publication.

(Prof. Damon Kautzer III)

PRODUCTION OF VIRUS FREE SEED POTATOES



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LAP Lambert Academic Publishing Jul 2012, 2012. Taschenbuch. Book Condition: Neu. 226x151x20 mm. Neuware - Elimination of Potato virus X and Potato virus Y was reported from two potato cultivars viz. Multa and Petronese by meristem culture only and thermotherapy, followed by meristem culture. Meristems of size ranging from 0.1 mm to 0.4 mm were excised and cultured in liquid media viz. MS + 0.25 mg l⁻¹ calcium pantothenate and incubated under 16 hr photo period at 24 + 10C. For thermotherapy, the potato tubers were incubated at 35oC for three weeks and followed by meristem culture. Meristems, sized 0.2 mm to 0.3 mm were found superior for both virus elimination and survival during thermotherapy and without thermotherapy PVY was eliminated easily then PVX. The plantlets developed from meristems were multiplied by performing nodal cutting in MS solid media supplemented with GA3 in different concentration. The media MS + 0.1 ppm GA3 was observed to be superior for multiplication. The variety petronese was observed to have more multiplication rate. Virus free plant lets were transplanted in the screen house and virus free pre-basic seed potatoes were obtained after 12 weeks of transplantation. 96 pp. Englisch.



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