



Plant Growth Promoting Rhizobacteria and Chili cultivation

By Kanchana D.

LAP Lambert Academic Publishing Jan 2014, 2014. Taschenbuch. Book Condition: Neu. 220x150x8 mm. Neuware - In the present study, soil samples were collected from ten different locations and the physico chemical properties & microbial population of the soil samples were analyzed. The PGPR organisms viz., Azospirillum, Pseudomonas, Azotobacter and Bacillus were isolated from ten different soil samples purified and maintained for further studies. The PGPR isolates of Pseudomonas, Azospirillum, Azotobacter and Bacillus were screened for their efficiency by determining the ability to produce phytohormone IAA, N fixation and phosphorus solubilization. The selected PGPR isolates viz., Azs-2, Ps-2 and Azo-4 were inoculated either individually and along with Bacillus BS-2 and the interaction effect on chilli var. K-I was studied under pot culture experiment. All the inoculation of PGPR organisms increased the growth and yield parameters of chilli when compared to uninoculated control. 140 pp. Englisch.



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