INTEGRATED MANAGEMENT OF ROOT ROT OF PEA

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Abstract: In present investigation the fungicides, phytoextracts, oil cakes and biocontrol agents found effective in vitro, were further evaluated in field for two consecutive seasons as seed treatment individually as well as in different combinations for suppression of root rot of pea. It was found that combined treatments were superior in terms of better germination, lower mortality and higher yield as compared to individual treatments. The most effective treatment with ST Bavistin + Neem oil + T. harzianum+ SA Neem cake followed by seed treatment with Bavistin + Neem oil + T. harzianum as compared to control as well as other treatments. T. harzianum applied as seed treatment effectively established in pea rhizosphere and reached high population densities, at 90 DAS while the population of the pathogen was low in the rhizosphere as significant disease suppression was recorded.

Keywords: F. solani,sp. pisi, Pea, Root root, Neem oil, Bavistin, T. harzianum

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