



## RESEARCH PAPER

# Management of powdery mildew of linseed by using plant defence inducers

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**Abstract :** A field experiment was conducted during *Rabi* 2019-2020 at AICRP on Linseed and Mustard College of Agriculture Nagpur to study the impact of plant defence inducers product on disease control in linseed. Among the ten different treatment tested the standard check hexaconazole (0.1%) followed by Seed treatment with salicylic Acid at 100 ppm + Foliar spray of sodium propionate (1%) was found most effective in minimizing the severity of powdery mildew 25.68 % and 29.39% respectively and significantly superior. Seed treatment with salicylic Acid at 50 ppm + Foliar spray of sodium propionate (1%) and Seed treatment with salicylic Acid at 100 ppm + Foliar spray of salicylic acid at 100 ppm and were remain at par with each other in reducing the disease intensity over control (62.90%). Maximum seed yield 1334 kg/ha was obtained with hexaconazole (0.1%) followed by Seed treatment with salicylic Acid at 100 ppm + Foliar spray of sodium propionate (1%) (1210 kg/ha). The highest ICBR (5.68) was recorded with hexaconazole (0.1%) *i.e.* 8.87 followed by Seed treatment with salicylic Acid at 100 ppm + Foliar spray of sodium propionate(1%).

**Key Words :** Linseed, Powdery mildew, Salicylic acid, Hexaconazole, Sodium propionate

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