

## Eco-friendly management of pest and diseases with neem kernels and leaves

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### **ABSTRACT**

A powder of dry immature neem kernels and leaves was integrated with plant nutrients and used at planting of the crops which has given very fruitful results under National Agricultural Research Project at Mainpur. Use of dry powder of immature neem kernels and leaves @ 50 kg/ha in the integration of plant nutrients gave significantly higher economic yield of wheat by 47.80 q/ha and checked the incidence of soil insects including termite. Similarly, the integrated use of dry powder of immature neem kernels and leaves @ 100 kg/ha with other plant nutrients in groundnut, checked the incidence of pod borer, termite, white grub and BND disease. The use of powder gave healthy groundnut pods with good kernels. The residue of 100 kg powder of immature neem kernels and leaves which was applied to previous crop of groundnut gave higher grain yield of wheat by 46.25 q/ha and checked the incidence of termite and other soil insects. Mustard crop escaped from the incidence of saw fly with the use of dry powder of immature neem kernels and leaves @ 75 kg/ha and gave seed yield by a margin of 17.00 q/ha without any harm to quality of mustard oil. The incidence of pod borer in field pea was checked with the use of immature neem kernels and leaves dry powder @ 75 kg/ha. The field pea gave 22.00 q/ha seed yield.

**Key words :** Eco-friendly management, Pest and diseases, Neem powder

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