



*RESEARCH PAPER*

**Efficacy of neem (*Azadirachta indica* A.) and drek/bakain (*Melia azadirach* L.) in aqueous extract for controlling mustard aphid (*Lipaphis erysimi* K.)**

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**Abstract :** In an experiment, the aqueous extracts of 'Neem' (*Azadirachta indica* A.) and 'Drek' (*Melia azadirach* L.) were tested for controlling mustard aphid (*Lipaphis erysimi* K.) in naturally infested 'Gobi sarson' (*Brassica napus* L.) crop variety GSC-7 at the Entomology Research Farm, Department at Entomology, Punjab Agricultural University, Ludhiana (PAU), Punjab, India. The different treatments using leaves and seed kernel extracts *vis-à-vis* 25g, 50g, 75g / litre of water of both Neem and Drek preparation were sprayed at an interval of 10 days. The Neem and Drek preparations of leaves and seed kernels were found to be effective for 3-7 days. The most reliable treatment is Neem leave extract @ 25 g leaves / litre of water. Neem seed kernel extract @ 25g / litre of water and Drek leaves extract @ 75 g / litre of water, Drek seed kernel @ 50g / litre of water are effective for controlling the aphid. It is concluded that aphid population in mustard crop can be kept under check by using aqueous extracts of Neem and Drek leaves as well as seed kernels.

**Key Words :** Neem, *Azadirachta indica*, Drek, *Melia azadirach*, Mustard aphid, *Lipaphis erysimi*, Orchard

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