

# Survey of the farmers' fields for studying the infestation caused by mustard aphid, *Lipaphis erysimi* (Kalt.) in Bundelkhand region

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**Abstract:** Field survey carried out during *Rabi* season 2021-2022 in various villages of Bundelkhand region indicated varied level of pest incidence and damage on mustard crop. Insect pests like mustard aphid was noticed as major insect pests infesting mustard crop during the survey. During farmer field's survey it was observed that maximum per cent infestation in single cross hybrid caused by mustard aphid, *Lipaphis erysimi* (Kalt.) in the Sunar village and minimum infestation was recorded in Redha at flowering stage and siliqua formation stage caused by mustard aphid, *Lipaphis erysimi* (Kalt.). Whereas, maximum per cent infestation was recorded in local check caused by mustard aphid Hanumangarhi and minimum infestation was recorded in Keolari at flowering stage caused by mustard aphid. However, maximum, and minimum infestation were found in Sonagir and Redha at siliqua formation stage caused by mustard aphid. The maximum yield was obtained from single cross hybrid (RH-406, RH-749) and minimum yield from local check. In study area 79.00 per cent of sampled farmers perceived that "low temperature and high relative humidity with cloudy weather" is the most important environmental factors responsible for aphid infestation in mustard crop. While, 73.00 per cent of farmers aware that aphid attack mostly occurs at flowering stage of mustard crop. Likewise, 44.00 per cent of them were used two spray to control the mustard aphid infestation in their field.

**Key words:** Survey, Farmer's field, Mustard, *Lipaphis erysimi*(Kalt.), Infestation, Bundelkhand region, Perception, Aware, Environmental factors.