

**SURVEY REPORT ON INSECT-PESTS OF COTTON IN HISAR, FATEHABAD
AND SIRSA DISTRICTS**

Date	Area surveyed (No. of fields surveyed)
27.09.2018	<p>Hisar: Fransi (4), Khairampur (2) and Sadalpur (2)</p> <p>Fatehabad: Bhodia Khera (2), Dhand (1), Kirdhan (1), Bhattu Kalan (3), Ban Mandori (1) and Pili Mandori (2)</p> <p>Sirsa: Nehrana (1), Makhosrani (1), Darba Kalan (1) and Nejja Khera (1)</p>

A total of 22 fields of cotton were surveyed for pest incidence in Hisar, Fatehabad and Sirsa districts and following observations were recorded:

- Population of whitefly was observed below Economic Threshold (ET) (6-8 adults/leaf) in all the fields surveyed and the mean population of whitefly adults ranged from 1.11 to 5.89 per leaf.
- Population of Leafhopper nymphs and adults was recorded to be below the Economic Threshold (ET) (2 nymphs & adults /leaf) and ranged from 0.00 to 1.28 per leaf in surveyed fields.

Predictions and suggestions:

- Farmers should be advised to monitor insect-pest populations on weekly basis and to apply control measures only at ET.
- The population of spiders and *Chrysoperla* sp. was observed in most of the fields. Therefore, farmers should refrain from unnecessary insecticide application in order to conserve beneficial insects.
- In case of whitefly population crosses ET on cotton in September month, the alternate spray of 300 ml Dimethoate 30EC or Oxydemeton methyl (Metasystox) 25 EC and 1.0 litre neem based insecticide (Nimbecidine/Achook) in 250 litres of water per acre may be done.
- For the control of leafhopper in cotton, farmers are advised to spray 40 ml imidacloprid (Confidor) 200 SL or 40 g thiamethoxam (Actara) 25 WG in 200 litre of water/acre.
- Farmers should be advised not to mix insecticides and spraying of only one recommended insecticides in right dose is suggested.