

# ICAR- CENTRAL INSTITUTE FOR COTTON RESEARCH, NAGPUR

## MANAGEMENT OF SUCKING PESTS OF COTTON

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#### Identification

- Nymph: Green, translucent, wingless
- Adult: Light green, wedge shaped, black spots on wings, jumping/sideward walking

#### Nature of Damage

- Nymphs and adults suck sap from the underside of leaves
- Downward curling of leaves
- Marginal yellowing of leaves
- Stunted plant growth and hopper burn symptoms due to severe infestation

#### Congenial Environment

- July-September
- 30-90 days old crop

- Continuous rain and/or cloudy weather
- Hot and humid climate

#### Management

- ETL: 2 nymphs/adults per leaf
- Install yellow sticky traps @ 8 traps/acre
- Prophylactic spraying of Neem Seed Kernel Extract @ 50 ml/litre + Neem oil @ 5ml/litre + Laundry Detergent @1gm/litre water at 45 DAS
- Once ETL reached - Spraying of Flonicamid 50 WG@ 0.4gm/litre water **OR** Dinotefuran 20 SG@ 0.3gm/litre water is recommended



Nymph



Adult



Downward curling of leaves



Marginal yellowing of leaves



Advance stage of marginal yellowing



Yellow sticky trap

- Avoid excessive urea application during early vegetative phase of the crop
- Apply first split/dose of urea on 45 DAS
- Neem coated urea can be applied

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