

# CROP PEST OUTBREAK REPORT

OCTOBER 2019



**AICRP ON BIOLOGICAL CONTROL OF CROP PESTS**

ICAR- NATIONAL BUREAU OF AGRICULTURAL INSECT RESOURCES, BENGALURU

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## ANDHRA PRADESH

**Reporting Centre:** RARS, Anakapalle

### Crop: Rice

**Site details:** Voppangi, Narayanapuram, Pathiwadapalem villages in Srikakulam taluk of Srikakulam district; Kumili village in Pusapatirega Taluk & Vasadi village in Gantiyada Taluk of Vizianagaram district

**Variety grown:** BPT 5204, MTU 1075, MTU1121 in 235 ha

**Crop Stage:** Panicle initiation stage

### Pest Status:

**Insects:** Moderate to severe BPH, WBPH (25-50/ hill) infestation was observed; Low leaf folder (5-7%) damage was also recorded

**Diseases:** Low (<1%) sheath blight incidence was recorded

**Natural enemies:** Spiders, Chrysopids

## KERALA

**Reporting Centre:** KAU, Kumarakom

### Crop: Rice

**Site details:** Arpookkara, Aymanam, Vechur, Neendoor Panchayats in Kottayam taluk of Kottayam district

**Variety grown:** Uma

**Crop Stage:** Maturing

### Pest Status:

**Insects:** Severe BPH damage was recorded

**Diseases:** Sheath blight and bacterial blight (5-10%) incidence was recorded

**Natural enemies:** Spiders, Reduvid bugs



### **BPH and hopper burn damage**

#### **PUNJAB**

**Reporting Centre:** PAU, Ludhiana

**Crop:** Rice

**Site details:** Amritsar, Jalandhar, Patiala, Sangrur districts

**Variety grown:**

**Crop Stage:** 110-120 days old

**Pest Status:**

**Insects:** Low BPH incidence was witnessed

**Natural enemies:** Spiders, dragonflies, damselflies

**Crop:** Sugarcane

**Site details:** Amritsar, Barnala, Gurdaspur, Jalandhar, Sangrur districts

**Variety grown:**

**Crop Stage:** 190-200 days old

**Pest Status:**

**Insects:** Low stalk borer and pyrilla incidence was witnessed

**Natural enemies:** *Fulgorecia melanoleuca*

### **Crop: fodder Maize (late sown crop)**

**Site details:** Barnala, Jalandhar, Hoshiarpur, Ludhiana, Mohali, Nawanshahr, Ropar districts

**Variety grown:**

**Crop Stage:** 45-50 days old

**Pest Status:**

**Insects:** Low to moderate infestation of fall armyworm, *Spodoptera frugiperda* was observed

## **GUJARAT**

**Reporting Centre:** AAU, Anand

### **Crop: Maize & Sorghum**

**Site details:** Maize- Sandesar, Sihol villages in Anand taluk of Anand district; Chhatardi, Vatra village in Khambhat taluk of Anand district; Kansari village in Borsad taluk of Anand district; Sorghum- Deva village in Sojitra taluk of Anand district

**Variety grown:** Maize-Vijay & desi variety in 1.2 ha; Sorghum- desi variety

**Crop Stage:** 15-35 DAS

**Pest Status:**

**Insects:** Low to moderate infestation of fall armyworm, *Spodoptera frugiperda* was observed in both the crops

### **Crop: Rice**

**Site details:** Tarapur village in Tarapur taluk of Anand district; Malataj village in Sojitra taluk of Anand district; Gangapur village in Vaso taluk of Kheda district

**Variety grown:** LAXMI-17(Hybrid) in 1.5 ha; Pooja in 1 ha

**Crop Stage:** Maximum tillering

**Pest Status:** Low to moderate leaf folder infestation was observed

## TAMIL NADU

**Reporting Centre:** TNAU, Coimbatore

### Crop: Maize

**Site details:** Polluvampatti (10.96099851<sup>0</sup> N,76.80859883<sup>0</sup>E) in Coimbatore Dt.

**Variety grown:** Pionner in 1 ac

**Crop Stage: Area:** 55 Days old

#### Pest Status:

**Insects:** Moderate infestation of fall armyworm was observed.

**Natural enemies:** Spiders, Coccinellids

### Crop: Coconut

**Site details:** Iruttupallam (10.94658344<sup>0</sup> N,76.77468051<sup>0</sup>E), Rottigoundanur (10.87070679<sup>0</sup> N,76.90520779<sup>0</sup>E) Kumittipathi (10.82279063<sup>0</sup> N,76.87631599<sup>0</sup>E) Valukall, Pichanur (10.<sup>0</sup> N,76.75186484<sup>0</sup>E), \*Kuppanoor (10.9686<sup>0</sup> N,76.8441<sup>0</sup>E) in Coimbatore Dt

**Varieties grown:** Tall, D x T hybrid, COD, MOD in 28.5 ac

**Crop Stage:** 4-12 years old

#### Pest Status:

**Insects:** Low – moderate infestation of rugose spiraling whitefly (4-12 colonies/leaf) was observed

\*Low infestation of nesting whitefly (4-5colonies/leaf) was observed

**Natural enemies:** *Encarsia guadeloupae*, Spiders, *Mallada*

## Crop: Tomato

**Site details:** Thenkarai (10.9686266° N,76.8441673°E) Karunya Nagar (10.94068931° N,76.75186484°E) Rotigoundanur (10.87178964° N,76.90068127°E) \*Valukall , Pichanur (10.° N,76.75186484°E) Kumittipathi (10.82279063° N,76.87631599°E) in Coimbatore Dt.

**Varieties grown:** Hybrid 1326, Hybrid 914 in 0.5 ac, Shivam local in 2.5 ac Meenatchi in 1.5 ac

**Crop Stage:** 45-90 days old

### Pest Status:

**Insects:** Low infestation of pinworm was recorded

\*Moderate infestation of pinworm i.e. (leaf damage symptoms and fruit damage) was noticed

**Natural enemy occurrence:** Coccinellids, Spiders

## West Bengal

**Reporting Centre:** UBKV, Pundibari

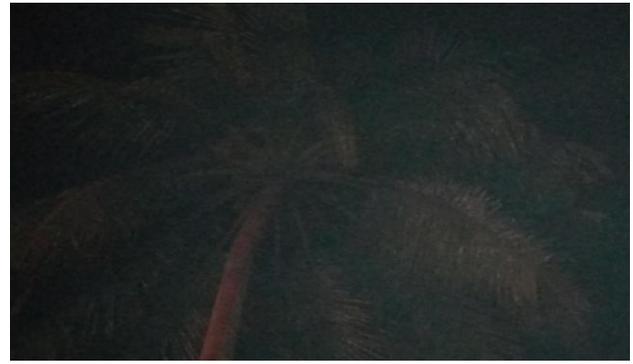
## Crop: Coconut

**Site details:** Darua (21° 46' 45" N and 87° 44' 40" E) village in Contai-II Block, Contai Sadar taluk of Purba Medinipur District

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### Pest Status:

**Insects:** Severe infestation of rugose spiraling whitefly was observed  
RSW occurrence also observed in Banana, Water apple, Canna Lily



Snapshot taken during day

(Infestation of RSW in Coconut)

Snapshot taken during night



Infestation of RSW in Water Apple Leaves



Infestation of RSW in Banana

Infestation of RSW in Canna Lily (*Canna indica*)



Infestation of RSW in Water Apple



RSW Adults