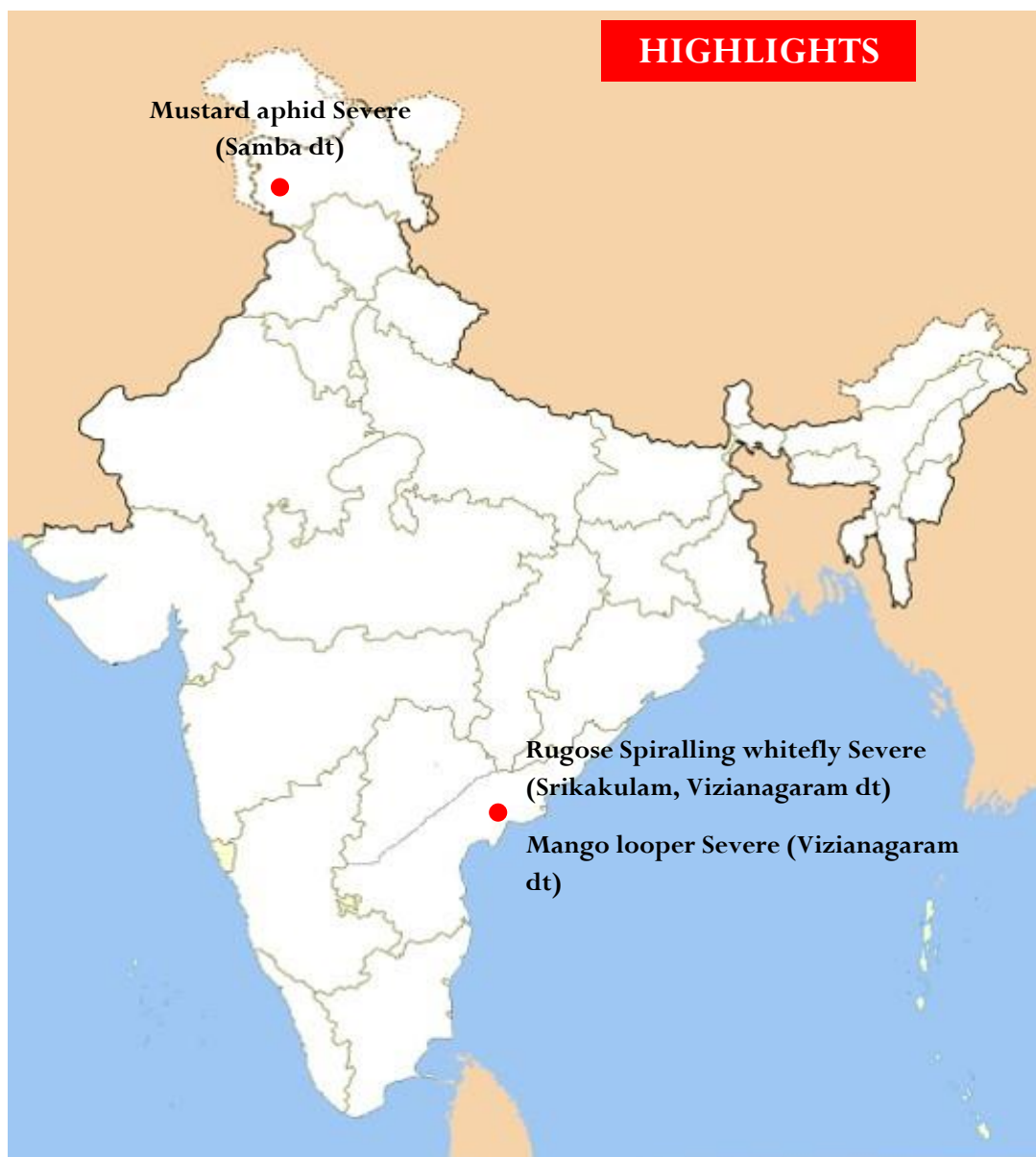


CROP PEST OUTBREAK REPORT

FEBRUARY 2020



AICRP ON BIOLOGICAL CONTROL OF CROP PESTS
ICAR- NATIONAL BUREAU OF AGRICULTURAL INSECT RESOURCES, BENGALURU

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CROP PEST OUTBREAK REPORT

FEBRUARY 2020

ANDHRA PRADESH

Reporting Centre: RARS, Anakapalle

Crop: Coconut

Site details: Venkataraoopeta, Patharlapalli in Ranasthalam mandal in Srikakulam district

Variety grown: Hybrid

Crop Stage: 5 years old

Area: 20 ha

Pest Status:

Insects: Low to severe infestation of rugose spiraling whitefly was observed.

Natural enemy occurrence: Spiders

Site details: Koyyam in Etcherla mandal in Srikakulam district

Variety grown: East Coast Tall

Crop Stage: 5 years old

Area: 120 ha

Pest Status:

Insects: Severe infestation of rugose spiraling whitefly was observed.

Natural enemy occurrence: Spiders

Crop: Mango

Site details: Penasam in Gantiyada mandal, Bondapalli in Bondapalli in Vizianagaram district

Variety grown: Panukulu, Baneshan **Crop Stage:** 6-8 years old

Area: 14-22 ha

Pest Status:

Insects: Severe outbreak of mango looper, fruit borer and leaf webber was observed.

Natural enemy occurrence: Spiders, ants



Severe damage by mango looper



Severe inflorescence damage by mango looper



Severe mango leaf webber damage

Reporting Centre: HRS, Ambajipeta

Crop: Coconut

Site details: Jinnuru in Poduru mandal, Veeravasarm in Veeravasarm mandal at West Godavari district

Variety grown: East Coast Tall

Crop Stage: 5-30 years **Area:**300 acres

Pest Status:

Insects: Low to moderate infestation of slug caterpillar was observed.



Slug caterpillar damage

Site details: Komaragiripatnam in Allavaram mandal of East Godavari district

Variety grown: East Coast Tall

Crop Stage: 15-25 years **Area:** 250 acres

Pest Status:

Insects: Moderate to severe infestation of black headed caterpillar was observed.

Natural enemy occurrence: Spiders

Site details: Gantyada, Garividi, Gurlmandala, Penuparthi, Cheepeerupalleparla, Suvaram, Merukamudidam and Somalingapuram in Garividi mandal of Vizianagaram district

Variety grown: Suvarnarekha, Baneshan, Panukula, Cherukurasam,

Crop Stage: 40 DAP **Area:**1 ha

Pest Status:

Insects: Severe infestation of mango semilooper (10-80%; more than 20 larvae / panicle) damage was observed.
Severe infestation by thrips was observed.



Severe damage by Mango Semilooper

GUJARAT

Reporting Centre: AAU, Anand

Crop: Chilli

Site details: AAU campus at Anand district

Variety grown: GVC-111

Crop Stage: 20 DAS **Area:**0.1 ha

Pest Status:

Insects: Low infestation of thrips was observed.

Crop: Capsicum

Site details: AAU campus at Anand district

Variety grown: Indra

Crop Stage: 25 DAS **Area:**0.5 ha

Pest Status:

Insects: Moderate infestation of thrips was observed.

Crop: Cucumber

Site details: AAU campus at Anand district

Variety grown: GC-1

Crop Stage: 30 DAS **Area:**0.1 ha

Pest Status:

Insects: Low infestation of pumpkin beetle was observed.

Crop: Wheat

Site details: AAU campus at Anand district

Crop Stage: 65 DAS **Area:**0.6 ha

Pest Status:

Insects: Low infestation of aphid was observed.

Crop: Okra

Site details: AAU campus at Anand district

Variety grown: GAO-5 **Crop Stage:** 25 DAS **Area:**0.4 ha

Pest Status:

Insects: Low infestation of jassids was observed.

Crop: Brinjal

Site details: AAU campus at Anand district

Variety grown: Dolly-5 **Crop Stage:** 20 DAS **Area:**0.2 ha

Pest Status:

Insects: Low infestation of leafhopper was observed.

Crop: Tomato

Site details: AAU campus at Anand district

Variety grown: GT-5 **Crop Stage:** 30 DAS **Area:**0.5 ha

Pest Status:

Insects: Moderate infestation of whitefly was observed.

Crop: Onion**Site details:** AAU campus at Anand district**Variety grown:** GAWO-2 **Crop Stage:** 35 DAS **Area:**0.5 ha**Pest Status:****Insects:** Low infestation of thrips was observed.**Diseases:** Purple blotch disease (3-5%) was observed.**PUNJAB****Reporting Centre:** PAU, Ludhiana**Crop: Mustard****Site details:** Amritsar, Bathinda, Ludhiana, Mohali, Muktsar, Fazilka, Patiala, Sangrur districts**Crop Stage:** 100-110 days old**Previous crop grown in the area:** Wheat, potato, chickpea, toria**Pest Status:****Insects:****Level of infestation:** Low damage by Desert Locust (during 1st fortnight of February) was observed.**JAMMU & KASHMIR****Reporting Centre:** SKUAST - Jammu**Crop: Wheat****Site details:** Dhiansar, Sarore, Murarichak, Palli, Dolian, Kartholi, Meen Charkan, Ismailpur, Bari Khud, Badori, Patti, Ranjari, Raya, Suchani, Baguna at Bishnah, Bari Brahmana taluk in Samba district**Area:** 1.5 ha **Variety:** WH 1080, HD 3237, HD 3086, PBW 175**Crop Stage:** 110-120 days old**Previous crop grown:** Rice, Maize**Pest Status:****Insects:** Low to moderate infestation of wheat aphid was observed.**Natural enemy occurrence:** Coccinellid grubs**Diseases:** Yellow rust incidence (10-15%) was observed.



Aphids in wheat

Yellow rust disease



Coccinellid grubs

Crop: Cauliflower, Sarson, Mustard

Site details: Dhiansar, Sarore, Murarichak, Palli, Dolian, Kartholi, Meen Charkan, Ismailpur, Bari Khud, Badori, Patti, Ranjari, Raya, Suchani, Baguna at Bishnah, Bari Brahmana taluk in Samba district

Variety: DGS-1 & Local **Crop Stage:** 110-120 days old

Previous crop grown: Maize, Urdbean, Mungbean

Pest Status:

Insects: Moderate to severe infestation of mustard aphids was observed.

Natural enemy occurrence: Coccinellid grubs

Diseases: White rust incidence (15-20%) was observed.



White rust disease

ARUNACHAL PRADESH

Reporting Centre: CAU, Pasighat

Crop: Maize

Site details: Ruskin village in East Siang district of Arunachal Pradesh

Area: 5 ha **Variety:** Bio 107

Crop Stage: 40 DAS

Pest Status:

Insects: Moderate infestation of fall armyworm was observed.



Fall armyworm damage in maize

Crop: Litchi

Site details: East Siang district of Arunachal Pradesh

Area: 1 ha **Variety:** Muzaffarpur

Crop Stage: 11 years

Pest Status:

Insects: Infestation of mite was observed.

Diseases: Blight disease incidence (20%) was observed.



Mite infestation in Litchi