

CROP PEST OUTBREAK REPORT

AUGUST 2020



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

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ANDHRA PRADESH

Reporting Centre: ANGRAU, RARS, Anakapalle

Crop: Maize

Site details: Cheepurupalli, Gurla mandals in Vizianagaram district

Pest Status:

Insects: Moderate to severe infestation (8-22%) of fall armyworm was observed.

Crop: Sugarcane

Site details: Munagapaka in Visakhapatnam district

Pest Status:

Insects: Low infestation of early shoot borer (<5%) was observed.

GUJARAT

Reporting Centre: AAU, Anand

Crop: Rice

Site details: Unthkhari at Umreth in Anand

Variety: Arize - 6444 **Crop stage:** 45 DAS **Area:** 1 ha

Pest Status:

Insects: Infestation of leaf folder (8-10%) was observed.

Crop: Maize

Site details: AAU campus at Anand

Variety: GAYMH-1 **Crop stage:** 25 DAS **Area:** 0.2 ha

Pest Status:

Insects: Infestation of fall armyworm (12-20%) was observed.

Diseases: Incidence of leaf blight (25-30%) was observed.

Crop: Cotton**Site details:** AAU campus at Anand**Variety:** GTTH 49 **Crop stage:** 60 DAS **Area:** 0.5 ha**Pest Status:****Insects:** Infestation of aphids and jassids (8-12%) was observed.**Natural enemy occurrence:** Ladybird beetle**Crop: Groundnut****Site details:** AAU campus at Anand**Variety:** GG 20, GG 34 **Crop stage:** 40-45 DAS **Area:** 0.2-0.5 ha**Pest Status:****Insects:** Infestation of jassids (8-12%), hairy caterpillar was observed.**Natural enemy occurrence:** Ladybird beetle**Disease:** Incidence of *Alternaria* leaf spot (5-6%) and Tikka disease (8-10%) was observed.**Crop: Green gram****Site details:** AAU campus at Anand**Variety:** GM 4, GM 5 **Crop stage:** 32 DAS **Area:** 0.2 ha**Pest Status:****Insects:** Infestation of gram pod borer (8-10%) was observed.**Natural enemy occurrence:** Ladybird beetle**Disease:** Incidence of Yellow mosaic (5-6%) & Anthracnose (8-10%) was observed.**Crop: Soybean****Site details:** AAU campus at Anand**Variety:** NRC 37 **Crop stage:** 35 DAS **Area:** 0.5 ha**Pest Status:****Insects:** Infestation of whitefly (8-10%) was observed.**Disease:** Incidence of Yellow mosaic (12-15%) was observed.

Crop: Brinjal

Site details: AAU campus at Anand

Variety: ABH 1 **Crop stage:** 20 DAT **Area:** 0.2 ha

Pest Status:

Insects: Infestation of hairy caterpillar (8-10%) and mealybug (5-6%) was observed.

Crop: Okra

Site details: Unthkhari at Umreth in Anand

Variety: Radhika Hybrid **Crop stage:** 70 DAS **Area:** 0.5 ha

Pest Status:

Insects: Infestation of shoot and fruit borer (12-15%) was observed.

ARUNACHAL PRADESH

Reporting Centre: CAU Pasighat

Crop: Ber

Site details: Ayeng, Mebo, East Siang district, Arunachal Pradesh

Pest Status:

Insects: Moderate infestation of grey hairy caterpillar, *Thiacidas postica* was observed.

Crop: Banana

Site details: CHF Pasighat, East Siang district, Arunachal Pradesh

Pest Status:

Insects: Moderate infestation of skipper was observed.



Banana skipper damage

TELANGANA

Reporting Centre: PJTSAU, Hyderabad

Crop: Rice

Site details: Rajendra nagar

Pest Status:

Insects: Low to moderate infestation of gall midge was observed.

Crop: Cotton

Site details: Rajendra nagar

Pest Status:

Insects: Moderate to severe infestation of thrips, aphids, hoppers and whiteflies was observed.

Crop: Red gram

Site details: Rajendra nagar

Pest Status:

Insects: Severe infestation of hoppers was observed.

Crop: Castor

Site details: Rajendra nagar

Pest Status:

Insects: Severe infestation of leafhoppers and semi loppers was observed.

Crop: Chilli

Site details: Rajendra nagar

Pest Status:

Insects: Severe infestation of thrips and hoppers was observed.

Crop: Brinjal, Bhendi

Site details: Rajendra nagar

Pest Status:

Insects: Moderate to severe infestation of hoppers, aphids and whiteflies was observed.

Crop: Tomato

Site details: Rajendra nagar

Pest Status:

Insects: Low to moderate infestation of hoppers and pinworm was observed.

ORISSA

Reporting Centre: OUAT, Bhubaneshwar

Crop: Rice

Site details: Baleswor, Baragarh

Pest Status:

Insects: Moderate infestation of yellow stem borer and leaf folder was observed.

PUNJAB

Reporting Centre: PAU, Ludhiana

Crop: Rice

Pest Status:

Insects: Low infestation of yellow stem borer and leaf folder was observed.

Natural enemy occurrence: Spiders, dragonflies, damselflies, *Trichogramma* sp, *Stenobracon*, *Xanthopimpla* sp was observed.

Crop: Maize**Pest Status:**

Insects: Low to moderate infestation of stem borer and fall armyworm was observed.

Natural enemy occurrence: Spiders, yellow wasp, *T. chilonis*, *Coccinella septempunctata*, *Chelonus formosanus*, *Temeleucha* sp was observed.

Crop: Sugarcane**Pest Status:**

Insects: Low infestation of borer, *Chilo auricillius* and pyrilla was observed.

Natural enemy occurrence: *Cotesia* sp, *Trichogramma chilonis*, *Fulgorecia melanoleuca*

Crop: Cotton**Pest Status:**

Insects: Low infestation of thrips, hoppers and whiteflies was observed.

Natural enemy occurrence: Eggs and grubs of green lacewing predator and spiders was observed.

JAMMU & KASHMIR

Reporting Centre: SKUAST-Jammu

Crop: Rice

Site details: Rehian, Glar Rehian, Pangdour in Samba district.

Variety: Hybrid

Pest Status:

Insects: Moderate infestation of leaf folder was observed.

Diseases: Incidence of foot rot (10-15%) was observed.



Foot rot incidence

Crop: Maize

Site details: Bishnah, Dera Ganotra, Bari-Brahmana, Sarore, Khadergal in Samba district and Udhampur in Udhampur district.

Variety: Hybrid

Pest Status:

Insects: Moderate to severe infestation of stem borer and fall armyworm was observed.

Diseases: Incidence of Turcicum leaf blight (15-20%) was observed.



Fall armyworm damage



Turcicum leaf blight damage

Crop: Bhendi

Site details: Patli, Sarore in Samba district.

Variety: Hybrid

Pest Status:

Insects: Moderate infestation of shoot and fruit borer was observed.

TAMIL NADU

Reporting Centre: TNAU, Coimbatore

Crop: Maize

Site details: Vellaravalli in Tirupur district (11.14910 N,77.29020E)

Variety: Local **Crop stage:** 30 DAS

Pest Status:

Insects: Leaf damage (40%) by fall armyworm was observed.

Natural enemy occurrence: Coccinellids

WEST BENGAL

Reporting Centre: UBKV, Pundibari

Crop: Mandarin orange

Site details: Gumbagaon in Bong Gram Panchayet at Kalimpong-I block
(26°03'N 88°28' E GP)

Pest Status:

Insects: Medium infestation of trunk borer was observed.