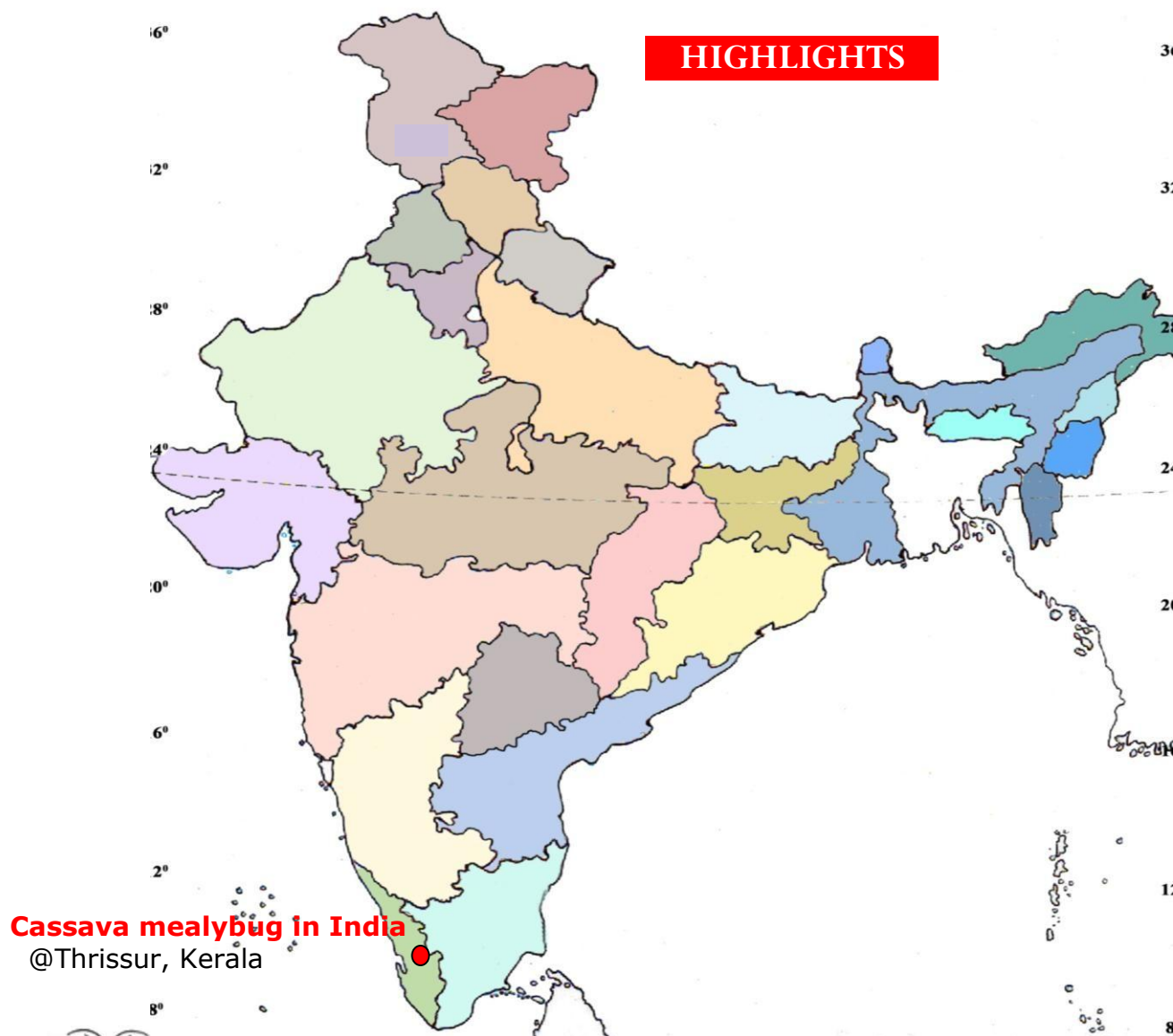


# CROP PEST OUTBREAK REPORT

MARCH 2020

HIGHLIGHTS



**Cassava mealybug in India**  
@Thrissur, Kerala



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

Compiled by: Drs., M. Sampath Kumar, U. Amala, G. Sivakumar and Chandish R Ballal

# CROP PEST OUTBREAK REPORT

MARCH 2020

## GUJARAT

**Reporting Centre:** AAU-Anand

### Crop: Cotton

**Site details:** AAU campus at Anand district

**Crop Stage:** 90 DAS      **Area:** 0.5 ha      **Variety:** Desi

#### Pest Status:

**Insects:** Low infestation of pink bollworm and aphid was observed.

**Natural enemy occurrence:** Ladybird beetles

### Crop: Cabbage

**Site details:** AAU campus at Anand district

**Crop Stage:** 75 DAS      **Area:** 0.5 ha

#### Pest status:

**Insects:** Low infestation of diamondback moth and aphids was observed.

### Crop: Pigeon pea

**Site details:** AAU campus at Anand district

**Crop Stage:** 110 DAS      **Area:** 0.5 ha

#### Pest status:

**Insects:** Low infestation of pod borer was observed.

### Crop: Cotton

**Site details:** AAU campus at Anand district

**Crop Stage:** 85 DAS      **Variety:** *Bt* cotton      **Area:** 0.5 ha

#### Pest status:

**Insects:** Low infestation of pink bollworm and whitefly was observed.



### **Crop: Tomato**

**Site details:** AAU campus at Anand district

**Crop Stage:** 60 DAS      **Area:** 0.5 ha

**Pest status:**

**Insects:** Moderate infestation of fruit borer was observed.

### **Crop: Raddish**

**Site details:** AAU campus at Anand district

**Crop Stage:** 50 DAS      **Area:** 0.2 ha

**Pest status:**

**Insects:** Moderate infestation of aphid was observed.

### **Crop: Isabgul**

**Site details:** AAU campus at Anand district

**Crop Stage:** 60 DAS      **Area:** 0.5 ha

**Pest status:**

**Insects:** Low infestation of aphid was observed.

### **Crop: Groundnut**

**Site details:** AAU campus at Anand district

**Crop Stage:** 60 DAS      **Area:** 0.1 ha

**Pest status:**

**Insects:** Low infestation of aphid and *Spodoptera litura* was observed.

## KARNATAKA

**Reporting Centre:** ICAR-NBAIR, Bengaluru

**Crop:** Cassava

**Site details:** Experimental plot of cassava in Thrissur, Kerala

**Pest Status:** **Reporting the occurrence of cassava mealybug, *Phenacoccus manihoti* Matile-Ferrero in India**

All the stages of mealybug viz., eggs, nymphs and adults (Fig. 1 B & C) were observed on all the plant parts including undersurface of leaves (Fig. 1 D) causing curling up of the leaves at growing tip of the plant leading to formation of bunchy tops (Fig. 1 E) and adventitious buds on almost all the internodes (Fig. 1 F). Heavy population resulted in drying of the leaves and complete defoliation (Fig. 1G)

The mealybug was found to be surviving and breeding on three weeds viz., *Alternanthera sessilis* (Amaranthaceae), *Synedrella nodiflora* (Asteraceae) and *Blumea lacera* (Asteraceae) which may support the carryover of the pest during absence of cassava crop.

**Natural enemies:** Predators viz., *Cardiastethus* sp., *Spalgis epeus* and *Scymnus coccivora*

