

## **Pest and disease forecasting for the month of December 2014**

### **Paddy**

In Coimbatore, Erode, Theni, Pudukkottai, Thiruvallur, Kanyakumari, Tirunelveli and Thanjavur districts leaffolder, stemborer and gall midge incidence was noticed. To manage the leaffolder and stemborer set up light trap @ 1 / acre to attract and kill the adult moth. Spray neem seed kernal extract 5 per cent @ 25 kg/ha (or) if needed, spray any one of the following insecticides: phosalone 35 EC 1500 ml / ha (or) phosphamidon 40 SL 1250 ml/ha or fipronil 80 WG 62.5 g/ha.

### **For the management of BPH**

- ❖ Drain the inundated water in the field immediately
- ❖ Avoid application of urea in the field.
- ❖ Strictly avoid use of synthetic pyrethroids
- ❖ Spray any one of the insecticide per acre.
  - Thiomethoxam 40 g
  - Imidacloprid 40 ml
  - Chlorpyrifos 500 ml
  - Buprofezin 320 ml
  - Azadirachtin 400 ml

Apart from the above pests, there is a possibility for outbreak of paddy blast in Tamil Nadu. Hence, the farmers are advised to spray hexaconazole (2 g/lit.) twice at weekly intervals. Besides, foliar application of 0.2% *Pseudomonas fluorescens* at fortnightly interval is recommended to increase the yield

### **Cotton**

Cotton mealybug incidence was noticed in Dharmapuri, Theni and Madurai districts. To manage this pest, farmers are advised to spray fish oil rosin soap at the rate of 1 kg in 40 lit of water. If needed, farmers can spray triazophos 40 EC 2.0 l/ha (or) acephate 75 SP @ 1.30 kg/ha.

In Tirunelveli district, spotted bollworm incidence was noticed. Hence farmers are advised to set up light trap @ 1 / acre to attract and kill the adult moth. If needed, farmers can spray chlorpyrifos 20 EC 2.0 l/ha (or) phosalone 35 EC 1.5 l/ha.

### **Groundnut**

In Erode, Salem, Ramanathapuram, Madurai and Tirunelveli, districts, the leafminer incidence was noticed. Hence farmers are advised to setup light trap to monitor and kill the adult moths and if needed, spray any one of the following

insecticides: diflubenzuron 25 WP 400 g / ha (or) chlorpyrifos 20 EC 1250 ml/ha (or) quinal phos 25 EC 1500 ml/ha.

### **Sugarcane**

In Erode, Salem, Cuddalore, Pudukkottai and Thiruvallur districts, internodeborer incidence was noticed. Hence farmers are advised to release *Trichogramma* egg parasitoid @ 1c.c / acre six times at an interval of fifteen days starting from 45 DAP.

### **Special forecast for coastal district rice farmers:**

During depression formation in coastal districts or if continuous cloudy weather without sun for more than 3 or 4 days or if high humidity prevailed, there is a possibility for blast incidence. Rice farmers growing high yielding varieties should watch for the incidence of blast. To manage this disease farmers are advised to spray 0.1% tricyclazole immediately after the appearance of disease and if necessary a second spray can be given after 10 days.

For managing bacterial leaf blight incidence farmers can spray copper hydroxide 101 @ 2.5g/l of water. Nitrogen must be applied in minimum of three splits.

For managing brown spot incidence, farmers are advised to spray mancozeb (2.0 g/l) 2 times at 10-15 days intervals first on 40 DAP and second on 55 DAP.

This is for the favour of your kind information. Necessary control measures may please to be adopted.

### **Further contact:**

1. The Director,  
Centre for Plant Protection Studies,  
TNAU, Coimbatore – 641 003.  
Phone No: 0422-6611237.
2. The Professor and Head,  
Department of Agrl. Entomology,  
TNAU, Coimbatore – 641 003.  
Phone No: 0422-6611214 / 6611414.
3. The Professor and Head,  
Department of Plant Pathology,  
TNAU, Coimbatore – 641 003.  
Phone No: 0422-6611226.