

PEST AND DISEASE FORECASTING FOR THE MONTH OF JANUARY 2012

Based on the pest and disease surveillance reports from different districts of Tamil Nadu the following forecast were made.

Rice

In Dharmapuri, Kanchipuram, Nagapattinam, Pudukkottai, Ramanathapuram, Sivaganga, Thanjavur, Theni, Thiruvarur, Thirunelveli, Thiruvannamalai and Kanniyakumari districts leaf folder and stemborer incidence were found in Rice. Hence farmers are advised to set up light traps and if needed they can spray Neem seed Kernel extract 5% or Phosphamidon 40 SL 600 ml/ha or Profenophos 50 EC 1000 ml/ha.

Brown spot incidence was found in rice at Sivaganga district. Hence farmers are advised to spray Mancozeb (2.0g/lit) or Edifenphos (1ml/lit) - 2 to 3 times at 10 - 15 day intervals. Based on the intensity of disease.

Bacterial leaf blight was found in rice at Dharmapuri, Kanchipuram, Nagapattinam, Pudukkottai, Ramanathapuram, Thanjavur, Thiruvarur district. Farmers are advised to spray streptomycinsulphate and tetracycline combination 300g +copper oxychloride 1.25 kg/ha.

Forewarning for blast in rice

Presence of conducive for the past one week may induce blast incidence in rice in the coastal districts of Tamil Nadu. Hence farmers are requested spray (0.1%) Tricyclazole at 10 days interval, immediately after the outbreak of blast.

Cotton

In Theni sucking pests jassids and thrips were noticed, hence the farmers are advised the set up the yellow sticky traps to monitor the pest population and if needed spray Imidacloprid 200 SL at 100 ml/ha or Methyl demeton 25 EC 500 ml/ha.

Bollworms were found Below ETL. Hence the farmers are advised to set up pheromone traps to attract and kill the adults.

Sugarcane

In, Sivaganga, Thanjavur, Namakkal and Viluppuram districts borer pest complex were found below ETL level. Hence the farmers are advised to release the egg parasitoid *Trichogramma* @ 6cc/acre.

Red rot incidence was found in Thanjavur, Nagappattinam, and Sivagangai district. Hence farmers can take proper plant protection measures like sett treatment with 0.1% Carbendazim or 0.05% Triademefon for 15 min.

Groundnut

In Namakkal districts leaf miner, incidence was recorded. Farmers are advised to monitor leaf miner adults using light traps, if needed farmers can spray neem seed kernel extract at 5 percent.

Leaf spot incidence was found in Dharmapuri and Ramanathapuram district. Hence farmers are advised to spray Carbendazim (0.1%) or Mancozeb (0.2%) or Chlorothalonil (0.2%).

Papaya mealy bug:

Tapioca, Papaya and mulberry farmers are advised to watch for the incidence of papaya mealybug *P.marginatus*. If there is any incidence noticed, farmers are requested to contact nearby TNAU Research Station / KVKs /Colleges for obtaining the parasitoids free of cost and can be released in their respective fields.

For details contact professor and Head, Department of Agricultural Entomology on 0422-6611214, or Department of Plant Pathology on 0422-661122.