

PEST AND DISEASE FORECAST FOR THE MONTH OF AUGUST 2017

Rice

In Thanjavur, Thiruvarur, Nagappattinam, Coimbatore, Thiruvannamalai and Pudukottai districts, the leaf folder incidence were noticed in few locations. To manage this pest, set up light trap @ 1 / acre to attract and to kill the adult moths. If needed, spray Neem seed kernel extract 5% (or) spray any one of the following insecticides, phosalone 35 EC 1500 ml/ha (or) quinalphos 25 EC 1000 ml/ha (or) phosphamidon 40 SL 1250 ml/ha.

Mealybug incidence is observed in some locations of Nagapattinam district. Due to water scarcity the incidence may increase and spread to neighbouring fields. Hence, farmers are advised to spray Buprofezin (25 SC) @200 ml/ 200 lit of water for 1 acre or Thiamethoxam (20 WDG) @100 g/200 lit of water for 1 acre or Dimethoate (30 EC) 400 ml.

Brown spot incidence was found in rice growing districts of Thanjavur, Tiruvarur and Nagapattinam. Hence, farmers are advised to spray mancozeb (2.0g/lit) particularly nursery for machine planting fields and the same dose in transplanted rice 2 to 3 times at 10 - 15 day intervals, based on the intensity of disease.

Cotton

In cotton bollworm incidence was noticed. Hence, farmers are advised to monitor the movement of adult moths by setting up pheromone trap and if needed spray any one of the following insecticides (1000 l of spray fluid / ha) phosalone 35 EC 2.5 l/ha (or) quinalphos 25 EC 2.0 l/ha (or) carbaryl 50 WP 2.5 kg/ha (or) profenophos 2.0 l/ha.

Groundnut

The leaf miner incidence was noticed in some places of Thiruvannamalai, Pudukottai, Cuddalore and Villupuram districts. Hence, the farmers are advised to set up light trap to monitor and to kill the adult moths and if needed, spray any of the following insecticides diflubenzuron 25 WP 400 g/ha (or) monocrotophos 36 WSC 500 ml/ha (or) methydemeton 1000 ml/ha (or) chlorpyriphos 20 EC 1250 ml/ha (or) quinalphos 25 EC 1500 ml/ha.

In groundnut, root rot is expected in Villupuram and Pudukkottai districts of Tamil Nadu. The farmers are advised to soil drench with Carbendazim @ 0.1% to manage root rot.

Pulses

In blackgram and greengram, root rot and yellow mosaic is expected in pulse growing districts viz., Pudukkottai, Tirunelveli and Theni. The farmers are advised to drench the soil with carbendazim@ 0.1 % for management of root rot. Besides, place 15 nos of yellow sticky traps /ha and spray dimethoate 30 EC or methyl demeton 25 EC @ 2 ml/l and alternate with neem oil @ 2 ml/l of water for the management of virus diseases.

Banana

In banana, sigatoka leaf spot is expected in Coimbatore, Erode and Trichy districts during the rainy season. The farmers are advised to spray carbendazim @ 0.1 % or propiconazole @ 0.1 % or mancozeb @ 0.25 % along with teepol at 10-15 days interval based on disease severity. Besides, Fusarium wilt is also expected during this season. Dip the suckers in 0.1 % carbendazim (1g/lit) for 30 min or *Pseudomonas fluorescens* @

10g/sucker at the time of planting. Corm injection of 3 ml of 2 % carbendazim on 3, 5, and 7th month after planting. Drench infected plants with 0.1 % carbendazim at 2, 4th and 6th month after planting.

Onion

In onion, leaf blotch and basal rot are expected in all onion growing regions of Tamil Nadu. The farmers are advised to spray mancozeb @ 2g/l or copper oxychloride @ 2.5 g/l for managing the leaf blotch incidence. For the management of basal rot, seed or bulb treatment with *Trichoderma viride* @ 4g/kg and basal application of *T. viride* @ 2.5 kg/ha should be followed.

Sucking pest management in Agricultural and Horticultural crops

There is a possibility for multiplication of jassids, thrips, whitefly, spiraling whitefly and different species of mealybug including papaya mealybug.

Hence, farmers are advised to monitor the sucking pests by installing yellow sticky traps @ 5 / acre and if needed they can spray neem seed kernel extract 5% (or) fish oil rosin soap @ 1 kg in 40 lit of water. If needed spray dimethoate @ 2 ml or methyl demeton @ 1.5 ml / lit. of water.

Bhendi

Yellow vein mosaic virus: Spray systemic insecticides like methyl demeton 2 ml/l or imidacloprid 17.8 SL / 0.2 ml / l or dimethoate @2 ml / l to kill the insect vector, whitefly.

Chillies

Pests

Fruit borer: Integrated pest management of fruit borer:

1. Set up pheromone traps for *Helicoverpa armigera* / *Spodoptera litura* @ 12 no. / ha.
2. Collection and destruction of damaged fruits and grown up caterpillars.
3. Spray *Bacillus thuringiensis* @ 2 g / lit.

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

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