

Advisory

Management of *Pyrrilla* in sugarcane

Recently serious outbreak of *Pyrrilla*, a sucking pest of sugarcane, has been noticed in central and eastern Uttar Pradesh and Bihar. A survey on *Pyrrilla* incidence was conducted by the Entomologist of Indian Institute of Sugarcane Research, Lucknow. At most of the locations, the incidence of *Pyrrilla* was most severe (10-100 adults and 3-20 egg masses per leaf) with low population of its parasitoid, *Epiricania melanoleuca*. The pest may cause serious damage to leaves resulting in poor growth of the plants.

It is now high time to take up control measures against the pest so as to mitigate the crop losses. The following control measures may be adopted.

Caution

- If one cocoon of *Epiricania* per leaf or per clump is present, no insecticide should be applied.
- If coccinellid predators are plenty in number (5-10 per clump), no insecticide should be applied.
- If one cocoon of *Epiricania* is present in one out of 4 clumps, any of the systemic insecticide as indicated in the following table may be applied
- If pest population is severe (10-100 adults as well as 3-20 egg masses/leaf) and no bio-agent is present, either fumigant or any contact insecticide indicated in the following table may be applied followed by application of systemic insecticide (given in table) one week after application of fumigant or contact insecticide.

Table: List of insecticides, their doses and method of application for the management of *Pyrrilla*

S.N.	Technical Name	Doses	Method of application
Contact Insecticide			
1.	Acephate 75 WP	800 – 1000 gm/ha.	Mix in 800 litres of water and apply as foliar spray
2.	Monocrotophos 36 SL	700-800 ml./ha.	-do-
3	Quinalphos 25 EC	400-500 ml./ha.	-do-
4.	Fenvalerate dust	20-25 kg/ha.	Dusting in morning hours
Fumigant Insecticide			
1.	Dichlorvos 76 EC	400 ml./ha.	Mix in 800 litres of water and apply as foliar spray
Systemic Insecticides			
1.	Imidacloprid 17.8 SL	400 ml./ha.	Mix in 800 litres of water and apply as foliar spray
2.	Dimethoate 40 EC	1.0 litre/ha.	-do-

We expect feedback from sugar mills on pest status after implementing advisory on the following E-mail address of Dr. M. R. Singh, Principal Scientist (Entomology), Division of Crop Protection. maharam_singh@rediffmail.com

Director



Pyrrilla Adults



Egg Masses of *Pyrilla*



Epiricania Cocoon



Coccinellid beetle : Predator of *Pyrilla*



Epiricania Cocoon and egg mass