

Central Cotton Research Institute Sakrand, Sindh
Pakistan Central Cotton Committee
Ministry of Commerce and Textile Industry
Government of Pakistan

BRIEF SUMMARY OF THE FIELD SURVEY REPORT ON COTTON INSECT PESTS AND CLCV DISEASE IN DIFFERENT DISTRICTS OF NARA BELT, SINDH PROVINCE, WERE CONDUCTED DURING THE MONTH OF OCTOBER, 2013

The pest population recorded from Nara Belt areas (District Sanghar, Khairpur and Sukkur is summarized in the Table as under:

Sr. No.	Name of Districts	Sucking pests per leaf				Mealy bug		Pink Bollworm		Predators Per acre 000/acre	No. of sprays	CLCV %
		Thrips	Jassids	W. flies	Mite	Shoot (15cm)	Infestation	Damage %	Larvae %			
1.	Sanghar	0.58	0.17	2.07	3.14	74.50	Medium	11.00	3.16	14.33	6-8	5.33
2.	Khairpur	0.65	0.22	3.18	6.25	56.50	Medium	7.14	1.75	11.00	5-7	3.00
3.	Sukkur	0.73	0.36	3.19	5.96	40.31	Low	8.06	1.76	12.12	4-9	2.38
Average		0.65	0.25	2.81	5.11	57.10	Medium	8.73	2.22	12.48	4-9	3.57

- The established Economic Threshold Levels of different pests are as under:

Sr.No	Insect Pest	Economic Threshold Level (ETL)
1.	Pink bollworm	5% bolls damage/5larvae/100 bolls
2.	Mites	10-15 per leaf
3.	Mealy bug	As soon as infestation appeared

Growers are advised/recommended that: when the pest population reached at Economic Threshold Level (ETL) following or any other recommended insecticides be applied to control the pests accordingly. q

S.No.	Target Pest	Name of recommended insecticide	Dose/acre (ml/gm/cc)
1.	Pink Bollworm.	Triazophos (Hostahion) 40 EC Bifenthrin (Ta1star) 10 EC Deltamethrin (Decis) 10 EC Lambda-cyhalothrin (Karate) 2.5 EC Emamectin Benzoate (Timer) 1.9 EC	1000 250 250 400 200

2.	Two Spotted Spider Mite.	(Dicofal) Ethion 46 EC	500
		(Dicofal) Cethion 50 EC	500
		(Diafenthiuron) Polo 500 SC	250
		(Hexy thiazox) Nissuran 10 WP	250
		(Chlorfenpyr) Pirate 360 EC	75
		(Fenpyroximate) Mitec 5 EC	200
3.	Mealy Bug.	(Acetamiprid) Mospilan 20 WP	125
		(Imidacloprid) Confidor 20 SC	250
		Acephate 75 SP	250
		(Profenofos) Curacron 400 EC	800
		(Chlorpyrifos) Lorsban 40 EC	1000

While applying insecticides it is suggested that: proper dosage be used with appropriate spray machines to apply pesticides to obtain good control of the pests.

- Indiscriminate use of pesticides be avoided.
- Proper protective measures may also be taken accordingly.
- Cotton crop may not be extended for a longer period to carry over the population of Pink Bollworm.