



No. 6756 /DGA(PW&QCP)

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DIRECTORATE GENERAL, PEST WARNING & QCP, PUNJAB
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PEST ALERT: COTTON CROP IN THIRD WEEK MAY 2021

Pest situation trends of cotton crop from pest surveillance reports during 2ND week remained as under. The trend of most of the major pests is increasing and alarming.

PEST SITUATION TREND OF COTTON CROP

S/No.	Pest Name	%AGE OF SPOTS						Remarks
		Current Week 2022		Previous Week 2022		Corresponding Week of Last Year 2021		
		AETL	BETL	AETL	BETL	AETL	BETL	
1	WHITEFLY	0.40	40.15	0.00	31.60	0.00	11.70	Increasing
2	JASSID	0.40	29.86	0.21	22.02	0.56	10.21	Increasing
3	THRIPS	0.27	49.50	0.00	46.70	0.00	11.53	Increasing
4	MEALY BUG	0.20	-	0.00	-	0.00	-	Increasing
5	MITES	0.00	0.53	0.00	0.21	0.00	0.00	-
6	DUSKY COTTON BUG	0.13	16.57	0.00	15.43	0.00	0.16	Increasing
7	PINK BOLLWORM	0.20	2.40	0.00	0.11	0.00	0.82	Increasing
8	AMERICAN BOLLWORM	0.00	1.47	0.00	0.85	0.00	0.00	-
9	SPOTTED BOLLWORM	0.00	0.00	0.00	0.00	0.00	0.00	-
10	ARMYWORM	3.87	-	2.13	-	0.99	-	Increasing
11	CLCUV	0.00	-	0.00	-	0.00	-	-
TOTAL SPOTS VISITED		1497		AREA SURVEYED (ACRES)		7487		

The spots above ETL have been reported in different area of Cotton Zone as under:

1. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF COTTON WHITEFLY					
S/No.	Tehsil	% Hot Spot	S/No.	Tehsil	% Hot Spot
1	MULTAN	7.1	3	PAK PATTAN	4.3
2	KEHROR PACCA	4.8	4	ARIF WALA	4.3
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
1	SAHIWAL	8.6	3	CHICHA WATNI	2.5
2	OKARA	5.6	4	HASILPUR	2.5
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
1	KABIR WALA	8.3	3	CHICHA WATNI	2.5
2	SAHIWAL	2.9			
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
1	KABIR WALA	4.2	3	CHICHA WATNI	2.5
2	GOJRA	3.7			
5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG					
1	PAK PATTAN	4.3	2	ARIF WALA	4.3
6. NO HOT SPOT OF MITES IN ANY TEHSIL					
7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM					
1	OKARA	38.9	12	JAHANIAN	8.0
2	RENALA KHURD	35.7	13	VEHARI	8.0
3	SAHIWAL	17.1	14	GOJRA	7.4
4	KHAN PUR	15.4	15	MULTAN	7.1
5	CHICHA WATNI	15.0	16	18-HAZARI	6.6
6	PAK PATTAN	13.0	17	TANDLIANWALA	4.5
7	T.T.SINGH	11.4	18	SHUJABAD	4.2
8	MIAN CHANNU	11.1	19	MAILSI	4.0
9	ARIF WALA	8.7	20	HASILPUR	2.5
10	KABIR WALA	8.3	21	LODHAN	2.3
11	SUMUNDRI	8.3	22	RAJAN PUR	1.6
8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM					
1	SHUJABAD	4.2	3	RAJAN PUR	1.6
2	MULTAN	3.6			
9. NO HOT SPOT OF AMERICAN BOLLWORM IN ANY TEHSIL					
10. NO HOT SPOTS OF SPOTTED BOLLWORM IN ANY TEHSIL					
11. NO OF HOT SPOTS OF COTTON LEAF CURL VIRUS IN ANY TEHSIL					

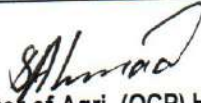
GENERAL RECOMMENDATIONS PEST MANAGEMENT OF COTTON CROP

1. Conduct regular pest scouting twice a week for cotton insect pests.
2. Control the pest without delay when population reaches ETL.
3. Use of *Chrysoperia* @ 80-90 cards/acre for sucking pests and *Trichogramma* cards 5-6 for bollworms.
4. Eradicate weeds in and outside the field especially nearby water channels and fellow lands.
5. Manage the pest on alternate host plants.
6. Avoid water excess or stress to the crop.
7. Use recommended pesticides & dose and repeat with different pesticide chemistry when needed as per recommendations of cotton advisory committee.
8. For Mealy bug Management infested plants may be treated with suitable recommended pesticides.

ECONOMIC THRESHOLD LEVELS OF COTTON INSECT PESTS

Insect Pests	Economic Threshold	Insect Pests	Economic Threshold
Jassid	1 Adult and 1 Nymph per leaf	Whitefly	5 Adults or Nymphs or both per Leaf
Thrips	8-10 Adults or Nymphs per Leaf	Mealy Bug	On Damage Appearance
Mites	On Damage Appearance	Aphid	Visible Damage on Top Terminals.
Spotted Boll Worm	3 Larvae/ 25 Plants.	Pink Boll Worm	5; Larvae /100 Bolls.
American Boll Worm	5 Brown Eggs or 3 Small Larvae or Both 5 per 25 Plants (BT or Non-BT Varieties)	Dusky Cotton Bug	10 per Leaf/Bud
Army Worm	(On Appearance)		

- Details of Hotspots should be shared with concerned DDA's & DA (Ext.) without delay.


Deputy Director of Agri. (QCP) Hqr
For Director General

CC:

1. PSO to Minister for Agriculture Punjab, Lahore.
2. PO to Secretary to Government of the Punjab, Agriculture Department, Lahore.
3. PS to Secretary Agriculture, South Punjab.
4. PS to Additional Secretary (Task Force) Agriculture Department, Lahore.
5. Director General Agriculture (Extension & AR) Punjab, Lahore.
6. Chief Scientist (Research), AARI, Faisalabad
7. Chairman PCPA & Crop Life Pakistan Multan and Lahore.
8. Director of Agriculture (Information) Punjab, Lahore.
9. Directors of Agri. (PP) Lahore & Multan.
10. Directors of Agriculture (Extension) Cotton Zone.
11. Deputy Directors of Agri. (PP) Cotton Zone.