



No 7291 /DGA(PW&QCP)

Dated: 01-06-2022

DIRECTORATE GENERAL, PEST WARNING & QCP, PUNJAB

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PEST ALERT: COTTON CROP IN 1st WEEK JUNE 2022

Pest situation trend of cotton crop from pest surveillance reports during 4th 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	3.1	57.5	2.2	46.4	0.1	18.9	Increasing
2	JASSID	2.4	46.9	0.9	39.2	0.9	16.5	Increasing
3	THRIPS	2.0	62.5	1.4	55.6	0.1	26.1	Increasing
4	MEALY BUG	0.3	-	0.1	-	0.0	-	Increasing
5	MITES	0.1	3.0	0.0	1.8	0.0	0.0	Increasing
6	DUSKY COTTON BUG	0.1	22.7	0.5	21.6	0.1	0.9	Sustaining
7	APHID	0.2	2.0	0.2	1.8	0.0	0.1	Increasing
8	PINK BOLLWORM	0.2	2.8	0.1	3.2	0.3	2.2	Sustaining
9	AMERICAN BOLLWORM	0.1	2.7	0.0	2.1	0.0	0.0	Increasing
10	SPOTTED BOLLWORM	0.0	0.0	0.0	0.0	0.0	0.0	-
11	ARMYWORM	2.0	-	2.2	-	0.3	-	Increasing
12	CLCUV	0.1	-	0.0	-	0.0	-	Increasing
TOTAL SPOTS VISITED		1893		AREA SURVEYED (ACRES)		10084.5		

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	SAHIWAL	20.6	13	PIR MAHAL	6.5
2	CHICHA WATNI	17.5	14	SHORKOT	5.9
3	VEHARI	16.7	15	MIANCHANNU	5.0
4	18-HAZARI	15.0	16	A.P SIAL	4.8
5	ARIF WALA	10.3	17	BUREWALA	4.3
6	MULTAN	10.2	18	MINCHAN ABAD	4.0
7	SHUJABAD	10.0	19	TANDLIANWALA	4.0
8	OKARA	8.7	20	JHANG	3.7
9	PAK PATTAN	8.0	21	MAILSI	3.2
10	LODHRAN	7.3	22	CHISHTIAN	3.2
11	KEHROR PACCA	7.3	23	JALAL PUR P.W	2.5
12	RENALA KHURD	6.7	24	ALI PUR	1.9
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
1	ARIF WALA	13.8	11	SAHIWAL	5.9
2	RENALA KHURD	13.3	12	SUMUNDRI	5.3
3	CHICHA WATNI	12.5	13	MIANCHANNU	5.0
4	ALI PUR	11.5	14	OKARA	4.3
5	SHUJABAD	10.0	15	RAJAN PUR	3.6
6	KOT CHUTTA	8.3	16	MAILSI	3.2
7	PAK PATTAN	8.0	17	KHANEWAL	3.0
8	JAHANIAN	6.9	18	LODHRAN	2.4
9	KABIR WALA	6.5	19	DEPALPUR	1.4
10	MULTAN	6.1			
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
1	ARIF WALA	10.3	12	OKARA	4.3
2	JAHANIAN	10.3	13	TANDLIANWALA	4.0
3	LODHRAN	9.8	14	VEHARI	3.3
4	A.P SIAL	9.5	15	KABIR WALA	3.2
5	KHANEWAL	9.1	16	CHISHTIAN	3.2
6	SHUJABAD	7.5	17	SAHIWAL	2.9
7	KEHROR PACCA	7.3	18	JALAL PUR P.W	2.5
8	SUMUNDRI	5.3	19	DUNYA PUR	2.3
9	CHICHA WATNI	5.0	20	HASILPUR	2.3
10	MIANCHANNU	5.0	21	ALI PUR	1.9
11	18-HAZARI	5.0	22	BAHAWAL PUR	1.5
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
1	GOJRA	3.4	4	MIANCHANNU	2.5
2	VEHARI	3.3	5	LODHRAN	2.4
3	SHUJABAD	2.5	6	DUNYA PUR	2.3
5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MITES					
1	BAHAWAL PUR	1.5			
6. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG					
1	CHISHTIAN	3.2			
7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF APHID					
1	SAHIWAL	5.9	2	SHUJABAD	2.5
8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM					
1	RENALA KHURD	13.3	10	SUMUNDRI	5.3
2	OKARA	13.0	11	SHUJABAD	5.0
3	MIANCHANNU	10.0	12	CHICHA WATNI	5.0
4	HASILPUR	9.1	13	18-HAZARI	5.0
5	PAK PATTAN	8.0	14	MULTAN	4.1
6	GOJRA	6.9	15	VEHARI	3.3
7	PIR MAHAL	6.5	16	JALAL PUR P.W	2.5

8	SAHIWAL	5.9	17	RAJAN PUR	1.8
9	T.T.SINGH	5.7	18	BAHAWAL PUR	1.5
9. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM					
1	ALI PUR	3.8	2	SHUJABAD	2.5
10. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF AMERICAN BOLLWORM					
1	JAM PUR	4.2			
11. NO HOT SPOTS OF SPOTTED BOLLWORM IN ANT TEHSIL					
12. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF COTTON LEAF CURL VIRUS					
1	JAM PUR	4.2	2	BAHAWAL NAGAR	2.9

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 *Chrysoperla* @ 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.