



No 7479 /DGA(PW&QCP)

Dated: 01-09-2020

DIRECTORATE GENERAL, PEST WARNING & QCP, PUNJAB

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**PEST ALERT: COTTON CROP IN FOURTH WEEK AUGUST 2020**

Pest situation trends of cotton crop from pest surveillance reports remained as under during the previous week:

**PEST SITUATION TREND OF COTTON CROP**

S/No.	Pest Name	%AGE OF SPOTS						Remarks
		Current Week		Previous Week		Corresponding Week of Last Year		
		AETL	BETL	AETL	BETL	AETL	BETL	
1	WHITEFLY	31.80	67.71	32.50	66.21	15.17	82.18	High & Sustaining ✓
2	JASSID	10.66	84.88	11.91	83.39	9.41	84.02	High & Sustaining ✓
3	THRIPS	10.41	86.83	14.73	82.86	6.03	86.64	High & Sustaining ✓
4	MEALY BUG	19.41	-	16.75	-	16.44	-	High & Increasing ✓
5	MITES	-	3.40	-	3.59	-	0.35	Low
6	DUSKY COTTON BUG	0.07	19.09	0.10	17.80	0.00	12.71	Low
7	PINK BOLLWORM	1.77	19.55	1.57	16.75	2.53	17.59	Sustaining
8	AMERICAN BOLLWORM	-	0.35	-	0.73	-	0.19	Low
9	SPOTTED BOLLWORM	0.07	0.42	0.00	0.59	0.04	0.46	Low
10	ARMYWORM	2.66	-	3.10	-	1.88	-	Sustaining
11	CLCUV	13.46	-	9.51	-	17.43	-	High & Increasing ✓
<b>TOTAL SPOTS VISITED</b>		<b>2824</b>		<b>AREA SURVEYED (ACRES)</b>		<b>16393</b>		

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	JATOI	63.8	13	D.G.KHAN	46.3
2	A.P.EAST	53.2	14	KHAN PUR	42.6
3	MULTAN	53.1	15	BAHAWAL PUR	39.7
4	TAUNSA	50.0	16	LODHRAN	38.4
5	MANKERA	50.0	17	SADIQ ABAD	38.2
6	SHUJABAD	48.5	18	R.Y.KHAN	37.7
7	RAJAN PUR	48.3	19	DUYAPUR	37.3
8	HASILPUR	48.3	20	KABIR WALA	36.6
9	KOT CHUTTA	48.2	21	KHANEWAL	35.6
10	JALAL PUR P.W	47.5	22	MUZUFAR GARH	34.0
11	JAM PUR	47.1	23	YAZMAN	34.0
12	KEHROR PACCA	46.3	24	ALI PUR	34.0
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
1	KOT CHUTTA	37.5	12	SHORKOT	16.7
2	D.G.KHAN	31.5	13	KALLOR KOT	16.7
3	MANKERA	30.0	14	LODHRAN	16.4
4	YAZMAN	24.0	15	FORT ABBAS	14.9
5	CHISHTIAN	24.0	16	A.P.EAST	14.5
6	KEHROR PACCA	22.2	17	DARYA KHAN	14.3
7	BAHAWAL NAGAR	21.2	18	MINCHAN ABAD	13.3
8	BAHAWAL PUR	20.7	19	LAYYAH	13.3
9	HASILPUR	20.7	20	MIANWALI	13.3
10	BHAKKAR	18.2	21	PIPLAN	13.3
11	DEPALPUR	16.7	22	ISA KHIEL	13.3
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
1	TAUNSA	35.0	13	JATOI	17.0
2	KOT CHUTTA	32.1	14	ALI PUR	16.0
3	BAHAWAL PUR	31.0	15	MINCHAN ABAD	13.3
4	R.Y.KHAN	26.2	16	MIANWALI	13.3
5	YAZMAN	26.0	17	PIPLAN	13.3
6	D.G.KHAN	25.9	18	ISA KHIEL	13.3
7	LIAQUAT PUR	25.5	19	HARROON ABAD	13.0
8	KHAN PUR	24.6	20	KEHROR PACCA	13.0
9	A.P.EAST	22.6	21	SADIQ ABAD	12.7
10	MANKERA	20.0	22	SHUJABAD	11.8
11	FORT ABBAS	19.1	23	KAROR L.E.	11.8
12	MULTAN	17.2	24	BAHAWAL NAGAR	11.5
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
1	JATOI	72.3	11	MULTAN	32.8
2	YAZMAN	44.0	12	ALI PUR	32.0
3	DUYAPUR	42.4	13	LODHRAN	31.5
4	KABIR WALA	41.5	14	PIR MAHAL	30.0
5	HASILPUR	41.4	15	DAHANIAN	29.5
6	R.Y.KHAN	41.0	16	SADIQ ABAD	29.1

7	SHUJABAD	36.8	17	A.P.EAST	29.0
8	LIAQUAT PUR	35.3	18	BATHAWAL PUR	27.6
9	KHAN PUR	34.4	19	MIAN CHANNU	27.3
10	CHISHTIAN	34.0	20	KHANEWAL	26.7
<b>5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG</b>					
1	HASILPUR	3.4	2		
<b>6. NO HOT SPOT OF MITES IN ANY TEHSIL</b>					
<b>7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM</b>					
1	KHANEWAL	20.0	10	ALI PUR	6.0
2	JHANG	7.7	11	BATHAWAL PUR	5.2
3	KEHROR PACCA	7.4	12	JALAL PUR P.W	5.0
4	LODHRAN	6.8	13	R.Y.KHAN	4.9
5	DUYAPUR	6.8	14	MULTAN	4.7
6	PIPLAN	6.7	15	JAHANJIAN	4.5
7	ISA KHEL	6.7	16	KAROR L.E.	4.4
8	A.P.EAST	6.5	17	VEHARI	4.0
9	JATOI	6.4	18	CHISHTIAN	4.0
<b>8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM</b>					
1	MIAN CHANNU	11.4	6	KEHROR PACCA	7.4
2	ALI PUR	10.0	7	CHICHA WATHI	5.3
3	PIR MAHAL	10.0	8	KAROR L.E.	4.4
4	SAHIWAL	9.4	9	PAK PATTAN	4.3
5	DUYAPUR	8.5	10	CHOBARA	4.0
<b>9. NO HOT SPOT OF AMERICAN BOLLWORM IN ANY TEHSIL</b>					
<b>10. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF SPOTTED BOLLWORM</b>					
1	KHANPUR	1.6	2	JAMPUR	1.4
<b>11. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF COTTON LEAF CURL VIRUS</b>					
1	JATOI	76.6	5	SADIQ ABAD	36.4
2	VEHARI	64.0	6	MULTAN	31.3
3	MAILSI	48.3	7	ALI PUR	30.0
4	SHUJABAD	41.2	8	MUZUFAR GARH	29.8

#### 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.

#### ECONOMIC THRESHOLD LEVELS OF COTTON INSECT PESTS

Insect Pests	Economic Threshold	Insect Pests	Economic Threshold
Jassid	1 Adult or 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 and Below ETL spots can be seen from the reports already emailed by DG AE office to DDAs and ADAs of Agri. Extension wing & from concerned ADAs (PP) and AOs (PP).
- Action taken reports of hot spots from AD AE should be furnished regularly to concerned DDA and DA (Ext) as well as information to the ADAs (PP) of the District without delay.

( Dr Muhammad Anjum Ahr )  
DIRECTOR GENERAL

#### CC:

1. PSO to Minister for Agriculture Punjab, Lahore.
2. PO to Secretary to Government of the Punjab, Agriculture Department, Lahore.
3. Additional Secretary (Task Force) to Government of the Punjab, Agriculture Department, Lahore.
4. Director General Agriculture (Extension & AR) Punjab, Lahore.
5. Chairman PCPA & Crop Life Pakistan Multan and Karachi.
6. Director of Agriculture (Information) Punjab, Lahore.
7. Directors of Agriculture (Extension) and DDAs (PP) of Cotton Zone.
8. Deputy Director of Agriculture (Extension) / Assistant Director (PW) / ADA (Ext) Cotton Zone in Punjab.