



No. 7328 /DGA(PW&QCP)

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DIRECTORATE GENERAL, PEST WARNING & QCP, PUNJAB

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## PEST ALERT: COTTON CROP IN THIRD 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	32.50	66.21	31.44	67.91	14.49	83.00	High & Sustaining
2	JASSID	11.91	83.39	13.56	82.52	11.46	83.71	High & Decreasing
3	THRIPS	14.73	82.86	17.26	81.04	7.20	88.23	High & Decreasing
4	MEALY BUG	16.75	-	12.44	-	14.80	-	Increasing
5	MITES	0.00	3.59	0.00	4.42	0.00	0.44	Low
6	DUSKY COTTON BUG	0.10	17.80	0.11	16.97	0.00	13.48	Low
7	PINK BOLLWORM	1.57	16.75	0.83	16.50	2.02	17.48	Sustaining
8	AMERICAN BOLLWORM	0.00	0.73	0.00	0.87	0.00	0.13	Low
9	SPOTTED BOLLWORM	0.00	0.59	0.00	0.44	0.00	0.70	Low
10	ARMYWORM	3.10	-	2.76	-	2.15	-	Sustaining
11	CLCUV	9.51	-	8.56	-	14.80	-	Medium & Sustaining
<b>TOTAL SPOTS VISITED</b>		<b>2871</b>		<b>AREA SURVEYED (ACRES)</b>		<b>17182</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	KHANEWAL	68.3	14	DUNYAPUR	41.3
2	HASILPUR	62.5	15	VEHARI	40.0
3	KOT CHUTTA	52.4	16	MANKERA	40.0
4	D.G.KHAN	51.7	17	KOT ADDU	39.5
5	JATOI	51.0	18	KEHROR PACCA	38.9
6	A.P.EAST	49.2	19	KABIR WALA	36.6
7	MULTAN	47.6	20	JAM PUR	36.4
8	ROJHAN	45.0	21	MUZUFAR GARH	35.4
9	JALAL PUR P.W	43.3	22	SHORKOT	35.0
10	LODHRAN	42.9	23	CHISHTIAN	34.8
11	SHUJABAD	42.6	24	ALI PUR	34.7
12	MAILSI	42.0	25	CHICHA WATNI	34.4
13	TAUNSA	42.0	26	BAHAWALPUR	34.3
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
1	HASILPUR	33.9	14	FORT ABBAS	16.9
2	KOT CHUTTA	33.3	15	HARROON ABAD	16.7
3	MANKERA	30.0	16	MINCHAN ABAD	16.7
4	CHISHTIAN	27.5	17	TAUNSA	16.0
5	A.P.EAST	23.1	18	KALLOR KOT	15.4
6	YAZMAN	20.3	19	LAYYAH	14.3
7	JARANWALA	20.0	20	DARYA KHAN	14.3
8	KEHROR PACCA	19.4	21	RENALA KHURD	13.6
9	D.G.KHAN	19.0	22	LIAQUAT PUR	13.3
10	OKARA	18.2	23	PIPLAN	13.3
11	BHAKKAR	18.2	24	ISA KHEL	13.3
12	DEPALPUR	17.4	25	KAROR L.E.	13.2
13	BAHAWALPUR	17.1	26	SADIQ ABAD	12.7
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
1	YAZMAN	40.7	15	SHUJABAD	21.3
2	KOT CHUTTA	40.5	16	HASILPUR	19.6
3	ROJHAN	40.0	17	LODHRAN	19.0
4	A.P.EAST	36.9	18	MAILSI	18.0
5	JATOI	35.3	19	DEPALPUR	17.4
6	BAHAWALPUR	32.9	20	HARROON ABAD	16.7
7	MUZUFAR GARH	31.3	21	LIAQUAT PUR	16.7
8	TAUNSA	30.0	22	MIANWALI	16.7
9	ALI PUR	28.6	23	PIPLAN	16.7
10	RAJAN PUR	27.3	24	JAM PUR	15.2
11	MULTAN	27.0	25	KOT ADDU	14.0
12	FORT ABBAS	23.1	26	KEHROR PACCA	13.9
13	D.G.KHAN	22.4	27	RENALA KHURD	13.6
14	SADIQ ABAD	22.2	28	ISA KHEL	13.3
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
1	DUNYAPUR	42.9	9	YAZMAN	30.5

2	KHANEWAL	41.3	10	ROJHAN	30.0
3	R.Y.KHAN	38.2	11	JAHANTIAN	28.9
4	HASILPUR	37.5	12	SHUJABAD	27.9
5	KABIR WALA	36.6	13	A.P.EAST	26.2
6	MULTAN	33.3	14	LODHRAN	25.4
7	CHISHTIAN	31.9	15	ALI PUR	24.5
8	JATOI	31.4	16	SADIQ ABAD	23.8
<b>5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG</b>					
1	ARIF WALA	2.4	3	DUNYAPUR	1.6
2	TANDLIANWALA	2.0			
<b>6. NO HOT SPOT OF MITES IN ANY TEHSIL</b>					
<b>7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM</b>					
1	JATOI	17.6	10	PIR MAHAL	6.3
2	MULTAN	15.9	11	CHISHTIAN	5.8
3	A.P.EAST	12.3	12	JHANG	5.0
4	DUNYAPUR	11.1	13	KOT CHUTTA	4.8
5	KHANEWAL	9.5	14	RENALA KHURD	4.5
6	BAHAWAL NAGAR	7.8	15	JAHANTIAN	4.4
7	KOT ADDU	7.0	16	DEPALPUR	4.3
8	D.G.KHAN	6.9	17	BAHAWALPUR	4.3
9	PIPLAN	6.7	18	KAROR L.E.	3.8
<b>8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM</b>					
1	MIAN CHANNU	22.0	4	HASILPUR	7.1
2	MANKERA	10.0	5	CHICHA WATNI	6.3
3	ALI PUR	8.2	6	KAROR L.E.	5.7
<b>9. NO HOT SPOT OF AMERICAN BOLLWORM IN ANY TEHSIL</b>					
<b>10. NO HOT SPOT OF SPOTTED BOLLWORM IN ANY TEHSIL</b>					
<b>11. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF COTTON LEAF CURL VIRUS</b>					
1	JATOI	52.9	5	VEHARI	32.0
2	SHUJABAD	42.6	6	ALI PUR	28.6
3	BUREWALA	37.5	7	KHAN PUR	27.7
4	JALAL PUR P.W	36.7	8	MULTAN	23.8

#### **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**

<b>Insect Pests</b>	<b>Economic Threshold</b>	<b>Insect Pests</b>	<b>Economic Threshold</b>
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 Ali )  
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.