



No. 9187 /DGA(PW&QCP)

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**DIRECTORATE GENERAL, PEST WARNING & QCP, PUNJAB**  
**AGRICULTURE HOUSE, 21-DAVIS ROAD, LAHORE**  
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**PEST ALERT: COTTON CROP IN FIRST WEEK OCTOBER 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	41.26	55.72	39.87	59.04	21.73	72.37	<b>High &amp; Increasing</b>
2	JASSID	5.99	83.46	7.57	84.55	4.74	80.33	High & Decreasing
3	THRIPS	0.22	73.91	0.32	84.38	0.00	66.46	Low
4	MEALY BUG	19.38	-	22.55	-	17.71	-	High & Decreasing
5	MITES	0.00	0.25	0.00	1.09	0.00	0.07	Low
6	DUSKY COTTON BUG	2.15	32.47	1.83	31.84	1.38	30.68	<b>Increasing</b>
7	PINK BOLLWORM	12.52	32.76	10.77	31.49	12.75	34.23	<b>High &amp; Increasing</b>
8	AMERICAN BOLLWORM	0.00	0.36	0.04	0.60	0.00	0.14	Low
9	SPOTTED BOLLWORM	0.00	0.75	0.00	0.46	0.00	0.58	Low
10	ARMYWORM	5.35	-	5.52	-	4.89	-	Sustaining
11	CLCUV	20.31	-	20.76	-	15.25	-	Sustaining
<b>TOTAL SPOTS VISITED</b>		<b>2787</b>		<b>AREA SURVEYED (ACRES)</b>		<b>15954</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	JAM PUR	94.0	11	LIAQUAT PUR	62.0
2	RAJAN PUR	87.7	12	KHAN PUR	60.4
3	ROJHAN	82.4	13	R.Y.KHAN	60.0
4	JALAL PUR P.W	72.5	14	SADIQ ABAD	60.0
5	SHUJABAD	70.0	15	KOT ADDU	60.0
6	KOT CHUTTA	69.1	16	MUZUFAR GARH	58.0
7	BAHAWAL PUR	67.2	17	DUYAPUR	54.7
8	MULTAN	66.0	18	MIAN CHANNU	50.0
9	A.P.EAST	64.3	19	LODHRAN	50.0
10	D.G.KHAN	62.5	20	YAZMAN	50.0
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
1	SAHIWAL	26.3	11	KAROR L.E.	12.5
2	CHICHA WATNI	20.3	12	HARON ABAD	12.2
3	JARANWALA	16.7	13	GOJRA	12.1
4	SUMUNDRI	15.8	14	OKARA	11.6
5	DEPALPUR	15.4	15	BURE WALA	11.3
6	T.T.SINGH	14.9	16	VEHARI	10.0
7	PAK PATTAN	14.3	17	CHISHTIAN	10.0
8	ARIF WALA	14.3	18	SADIQ ABAD	10.0
9	KALLOR KOT	13.3	19	LAYYAH	9.1
10	CHOBARA	12.7	20	MAILSI	8.0
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
1	KAROR L.E.	8.9	2	TAUNSA	1.8
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
1	BAHAWAL PUR	49.2	9	CHISHTIAN	36.0
2	R.Y.KHAN	46.7	10	ROJHAN	35.3
3	YAZMAN	46.4	11	ALI PUR	34.0
4	KOT CHUTTA	45.5	12	D.G.KHAN	33.9
5	RAJAN PUR	44.6	13	MULTAN	32.0
6	SADIQ ABAD	44.0	14	JAM PUR	30.0
7	DUYAPUR	39.6	15	FORT ABBAS	28.9
8	KHAN PUR	37.7	16	SHUJABAD	28.0
5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG					
1	HASILPUR	25.0	10	MIAN CHANNU	4.8
2	BAHAWAL PUR	14.8	11	MAILSI	4.0
3	JALAL PUR P.W	12.5	12	ALI PUR	4.0
4	KABIR WALA	12.5	13	BURE WALA	3.8
5	KHANEWAL	7.3	14	MIANWALI	3.3
6	MULTAN	6.0	15	PIPLAN	3.3
7	SHUJABAD	6.0	16	KEHROR PACCA	2.3
8	VEHARI	6.0	17	DUYAPUR	1.9
9	CHISHTIAN	6.0	18	LODHRAN	1.8
6. NO HOT SPOT OF MITES IN ANY TEHSIL					

7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM					
1	KEHROR PACCA	18.4	9	KOT CHUTTA	12.7
2	MULTAN	16.0	10	A.P.EAST	10.7
3	SADIQ ABAD	16.0	11	YAZMAN	10.7
4	JATOI	14.6	12	LIAQUAT PUR	10.0
5	LODHRAN	14.3	13	ALI PUR	10.0
6	R.Y.KHAN	13.3	14	D.G.KHAN	8.9
7	DARYA KHAN	13.3	15	DUYAPUR	7.5
8	BAHAWAL PUR	13.1	16	KHAN PUR	7.5
8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM					
1	SAHIWAL	38.6	6	LODHRAN	26.8
2	ALI PUR	30.0	7	DUYAPUR	26.4
3	MANKERA	30.0	8	CHICHA WATNI	25.0
4	KEHROR PACCA	28.7	9	MULTAN	24.0
5	BURE WALA	28.3	10	MIAN CHANNU	21.4
9. NO HOT SPOT OF AMERICAN BOLLWORM IN ANY TEHSIL					
10. NO HOT SPOT OF SPOTTED BOLLWORM IN ANY TEHSIL					
11. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF COTTON LEAF CURL VIRUS					
1	JALAL PUR P.W	72.5	9	SADIQ ABAD	44.0
2	ALI PUR	66.0	10	KOT ADDU	42.0
3	MUZUFAR GARH	64.0	11	LIAQUAT PUR	38.0
4	SHUJABAD	60.0	12	HASILPUR	35.4
5	VEHARI	60.0	13	JATOI	33.3
6	MULTAN	52.0	14	R.Y.KHAN	31.7
7	MAILST	52.0	15	KOT CHUTTA	30.9
8	BURE WALA	45.3	16	D.G.KHAN	30.4

#### 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 DBA 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.