



No. 6079 /DGA(PW&QCP)

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**DIRECTORATE GENERAL, PEST WARNING & QCP, PUNJAB**

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## PEST ALERT: COTTON CROP IN SECOND WEEK JULY 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	10.25	83.25	5.21	76.67	6.93	81.31	✓ Increasing
2	JASSID	15.98	75.95	11.18	71.79	11.81	75.14	✓ Increasing
3	THRIPS	6.53	80.19	4.33	75.07	2.20	78.94	✓ Increasing
4	MEALY BUG	1.86	-	1.01	-	1.84	-	✓ Increasing
5	MITES	0.04	3.39	0.04	2.52	0.01	5.64	Stable
6	DUSKY COTTON BUG	0.12	16.55	0.04	19.42	0.00	4.80	✓ Increasing
7	PINK BOLLWORM	0.48	10.45	0.25	10.42	0.44	7.17	✓ Increasing
8	AMERICAN BOLLWORM	0.04	0.81	0.00	1.43	0.04	0.28	✓ Increasing
9	SPOTTED BOLLWORM	0.04	0.12	0.00	0.04	0.00	0.56	✓ Increasing
10	ARMYWORM	3.31	-	1.47	-	3.00	-	✓ Increasing
11	CLCUV	1.37	-	0.13	-	1.76	-	✓ Increasing
<b>TOTAL SPOTS VISITED</b>		2478		<b>TOTAL AREA SURVEYED (Acres)</b>		14449.5		

9/10

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	CHICHA WATNI	30.4	15	MINCHAN ABAD	16.3
2	KEHROR PACCA	22.9	16	VEHARI	15.0
3	PAK PATTAN	21.4	17	JATOI	14.3
4	CHISHTIAN	20.0	18	BAHAWAL NAGAR	13.0
5	HASILPUR	19.6	19	KHANEWAL	12.7
6	ARIF WALA	19.5	20	MAILSI	12.5
7	SAHIWAL	19.1	21	BURE WALA	12.5
8	JALAL PUR P.W	18.4	22	LAYYAH	11.6
9	KABIR WALA	17.5	23	JHANG	11.5
10	HARROON ABAD	17.5	24	DUYAPUR	11.1
11	MULTAN	16.7	25	DEPALPUR	11.1
12	SHORKOT	16.7	26	MIANWALI	10.0
13	BAHAWAL PUR	16.4	27	SADIQABAD	9.8
14	LODHRAN	16.3	28	SUMUNDRI	9.1
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
1	SHUJABAD	62.5	15	SADIQ ABAD	19.5
2	MULTAN	45.2	16	JAHANIAN	17.8
3	MUZUFAR GARH	37.5	17	PAK PATTAN	16.7
4	JAM PUR	32.5	18	JARANWALA	16.7
5	BAHAWAL PUR	31.1	19	LIAQUAT PUR	16.3
6	JALAL PUR P.W	26.3	20	CHISHTIAN	16.0
7	A.P. EAST	25.0	21	ALI PUR	16.0
8	HASILPUR	23.5	22	JHANG	15.4
9	LODHRAN	22.4	23	KABIR WALA	15.0
10	RAJAN PUR	22.2	24	HARROON ABAD	15.0
11	ARIF WALA	22.0	25	D.G. KHAN	15.0
12	YAZMAN	20.0	26	MIAN CHANNU	14.9
13	KOT CHUTTA	20.0	27	KHAN PUR	14.9
14	KOT ADDU	20.0	28	KEHROR PACCA	14.6
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
1	BAHAWAL PUR	18.0	8	HASILPUR	13.7
2	KABIR WALA	17.5	9	BURE WALA	12.5
3	HARROON ABAD	17.5	10	PAK PATTAN	11.9
4	CHICHA WATNI	17.4	11	MINCHAN ABAD	11.6
5	CHISHTIAN	16.0	12	BAHAWAL NAGAR	10.9
6	JHANG	15.4	13	KEHROR PACCA	10.4
7	JAM PUR	15.0	14	VEHARI	10.0
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
1	SAHIWAL	12.8	5	BAHAWAL PUR	6.6
2	MULTAN	11.9	6	CHICHA WATNI	6.5
3	HASILPUR	7.8	7	KHAN PUR	6.4
4	VEHARI	7.5	8	JAM PUR	5.0

5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG				
1	SHUJABAD	2 1	3	LODHRAN
2	KEHROR PACCA	2 1		2 0
6. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MITES				
1	BAHAWAL PUR	1 63	2	
7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM				
1	MULTAN	28 6	10	BAHAWAL PUR
2	SHORKOT	16 7	11	SAHIWAL
3	A P SIAL	14 3	12	KAROR L E
4	SHUJABAD	12 5	13	KABIR WALA
5	JAHANIAN	8 9	14	VEHARI
6	MIAN CHANNU	8 5	15	D G KHAN
7	JHANG	7 7	16	KOT CHUTTA
8	KHANEWAL	7 3	17	18-HAZARI
9	JATOI	7 1	18	MINCHAN ABAD
8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM				
1	MIAN CHANNU	6 4	4	JATOI
2	MAILSI	5 0	5	LAYYAH
3	KABIR WALA	2 5	6	KEHROR PACCA
9. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF AMERICAN BOLLWORM				
1	JAMPUR	2 5	2	
10. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF SPOTTED BOLLWORM				
1	R.Y. KHAN	2 0	2	
11. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF COTTON LEAF CURL VIRUS IN ANY TEHSIL				
1	R Y KHAN	20 4	4	LIAQUAT PUR
2	KHAN PUR	17 0	5	BURE WALA
3	SADIQ ABAD	9 8	6	

#### 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 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.