



No 6512 /DGA(PW&QCP)

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DIRECTORATE GENERAL, PEST WARNING & QCP, PUNJAB
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PEST ALERT: COTTON CROP IN FOURTH 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	19.22	79.11	17.48	81.27	15.47	79.16	Increasing ✓
2	JASSID	17.90	78.03	17.36	77.71	14.47	77.04	Stable
3	THRIPS	8.70	87.19	9.81	85.83	5.34	82.88	Decreasing
4	MEALY BUG	5.59	-	3.79	-	8.02	-	Increasing ✓
5	MITES	0.00	4.66	0.12	4.20	0.00	1.38	Stable
6	DUSKY COTTON BUG	0.04	13.59	0.04	12.80	0.00	6.41	Stable
7	PINK BOLLWORM	0.31	9.94	0.28	10.13	0.69	9.94	Stable
8	AMERICAN BOLLWORM	0.00	0.47	0.00	0.73	0.00	0.04	Stable
9	SPOTTED BOLLWORM	0.08	0.43	0.00	0.24	0.00	0.54	Stable
10	ARMYWORM	1.63	-	3.07	-	1.57	-	Decreasing *
11	CLCUV	2.64	-	1.41	-	5.68	-	Increasing ✓
TOTAL SPOTS VISITED		2576		AREA SURVEYED (ACRES)		14615		

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	HASILPUR	50.0	14	FORT ABBAS	25.0
2	JAM PUR	36.0	15	MINCHAN ABAD	25.0
3	SAHIWAL	32.3	16	KOT CHUTTA	25.0
4	CHISHTIAN	30.0	17	JARANWALA	25.0
5	KEHROR PACCA	29.4	18	DARYA KHAN	25.0
6	PAK PATTAN	28.9	19	KHANEWAL	22.8
7	JALAL PUR P.W	28.1	20	BHAKKAR	22.2
8	CHICHA WATNI	27.6	21	DUYAPUR	21.4
9	ARIF WALA	27.5	22	I.T.SINGH	20.8
10	HAROOON ABAD	27.5	23	R.Y.KHAN	20.5
11	KABIR WALA	26.8	24	LODHHRAN	20.4
12	ALI PUR	26.7	25	PIR MAHAL	20.0
13	VEHARI	25.0	26	MIANWALI	20.0
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
1	A.P.EAST	43.1	14	R.Y.KHAN	22.7
2	HASILPUR	42.0	15	PAK PATTAN	22.2
3	JAM PUR	42.0	16	BHAKKAR	22.2
4	MUZUFAR GARH	37.8	17	KHAN PUR	21.6
5	SHUJABAD	37.0	18	LAYYAH	20.8
6	YAZMAN	33.3	19	KEHROR PACCA	19.6
7	LODHHRAN	27.8	20	CHOBARA	19.6
8	KOT CHUTTA	27.5	21	KHANEWAL	19.3
9	JAHANIAN	26.7	22	SADIQ ABAD	19.0
10	CHISHTIAN	26.0	23	D.G.KHAN	19.0
11	BAHAWAL PUR	25.0	24	JALAL PUR P.W	18.8
12	HAROOON ABAD	25.0	25	LIAQUAT PUR	18.8
13	MIAN CHANNU	22.7	26	TAUNSA	18.0
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
1	MUZUFAR GARH	28.9	8	HASILPUR	18.0
2	BAHAWAL PUR	26.7	9	FORT ABBAS	17.5
3	MINCHAN ABAD	22.7	10	JATOI	17.5
4	HAROOON ABAD	20.0	11	SHUJABAD	15.2
5	ALI PUR	20.0	12	KOT CHUTTA	15.0
6	JAM PUR	20.0	13	ROJHAN	14.5
7	JALAL PUR P.W	18.8	14	BAHAWAL NAGAR	14.0
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
1	SHUJABAD	28.3	8	BAHAWAL PUR	13.3
2	KHAN PUR	21.6	9	KABIR WALA	12.2
3	DUYAPUR	21.4	10	CHISHTIAN	12.0
4	R.Y.KHAN	20.5	11	MIAN CHANNU	11.4
5	HASILPUR	20.0	12	JAHANIAN	11.1
6	MULTAN	19.0	13	HAROOON ABAD	7.5
7	VEHARI	15.0	14	JHANG	6.5

5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG				
1	Kehror Pacca	2.00		
6. NO HOT SPOT OF MITES IN ANY TEHSIL				
7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM				
1	JATOI	15.0	10	KHANEWAL
2	JARANWALA	8.3	11	JALAL PUR P.W
3	MIAN CHANNU	6.8	12	VEHARI
4	JHANG	6.5	13	KOT CHUTTA
5	HASILPUR	6.0	14	OKARA
6	KABIR WALA	4.9	15	RENALA KHURD
7	MULTAN	4.8	16	D.G KHAN
8	SHUJABAD	4.3	17	KAROR L.E.
9	JAM PUR	4.0	18	MINCHAN ABAD
8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM				
1	ALI PUR	11.1	3	KAROR L.E.
2	JHANG	6.5		
9. NO HOT SPOT OF AMERICAN BOLLWORM IN ANY TEHSIL				
10. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF SPOTTED BOLLWORM				
1	R.Y. KHAN	4.5		
11. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF COTTON LEAF CURL VIRUS				
1	R.Y.KHAN	27.3	6	LIAQUAT PUR
2	A.P.EAST	17.6	7	SADIQ ABAD
3	SHUJABAD	15.2	8	VEHARI
4	KHAN PUR	11.8	9	JATOI
5	JAHANIAN	11.1	10	JALAL PUR P.W

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.