



No 1165 /DGA(PW&QCP)

Dated: 10/8/2020

DIRECTORATE GENERAL, PEST WARNING & QCP, PUNJAB

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PEST ALERT: COTTON CROP IN FIRST 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	30.31	67.72	19.22	79.11	17.80	79.37	Increasing
2	JASSID	16.67	78.65	17.90	78.03	15.23	80.12	Sustaining
3	THRIPS	13.00	84.85	8.70	87.19	6.81	87.23	Increasing
4	MEALY BUG	9.86	-	5.59	-	9.49	-	Increasing
5	MITES	0.00	4.91	0.00	4.66	0.00	0.67	Stable
6	DUSKY COTTON BUG	0.04	14.85	0.04	13.59	0.00	7.30	Stable
7	PINK BOLLWORM	0.87	11.00	0.31	9.94	0.78	11.58	Increasing
8	AMERICAN BOLLWORM	0.00	0.49	0.00	0.47	0.00	0.15	Stable
9	SPOTTED BOLLWORM	0.00	0.49	0.08	0.43	0.04	0.11	Stable
10	ARMYWORM	2.12	-	1.63	-	1.64	-	Increasing
11	CLCUV	5.14	-	2.64	-	8.38	-	Increasing
TOTAL SPOTS VISITED		2646		AREA SURVEYED (ACRES)		14184.5		

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	61.7	14	MANKERA	37.5
2	VEHARI	58.0	15	T.T.SINGH	37.2
3	ARIF WALA	46.5	16	MULTAN	36.7
4	CHICHA WATNI	45.8	17	JAM PUR	36.0
5	KEHROR PACCA	44.9	18	R.Y.KHAN	35.4
6	KOT CHUTTA	43.9	19	PAK PATTAN	34.9
7	MAILSI	42.0	20	PIR MAHAL	34.3
8	BURE WALA	41.7	21	LODHRAN	33.3
9	KHANEWAL	40.3	22	DUYAPUR	33.3
10	D.G.KHAN	40.0	23	LIAQUAT PUR	32.7
11	BHAKKAR	40.0	24	JALAL PUR P.W	32.5
12	BAHAWAL PUR	39.3	25	KABIR WALA	32.1
13	MIAN CHANNU	37.8	26	KHAN PUR	32.1
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
1	A.P.EAST	44.6	14	TAUNSA	22.5
2	JALAL PUR P.W	37.5	15	BAHAWAL NAGAR	21.2
3	KOT CHUTTA	31.6	16	SHORKOT	20.8
4	BAHAWAL PUR	31.1	17	OKARA	20.0
5	SHUJABAD	31.1	18	MUZUFAR GARH	20.0
6	D.G.KHAN	31.1	19	CHOBARA	20.0
7	VEHARI	30.0	20	JHANG	20.0
8	HASILPUR	29.8	21	BHAKKAR	20.0
9	FAISALABAD	27.3	22	CHISHTIAN	20.0
10	TANDLIANWALA	25.7	23	MIAN CHANNU	18.0
11	DEPALPUR	25.0	24	HARROON ABAD	17.8
12	MANKERA	25.0	25	KHAN PUR	17.4
13	YAZMAN	24.4	26	LIAQUAT PUR	17.0
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
1	D.G.KHAN	48.7	8	JATOI	27.7
2	JALAL PUR P.W	45.0	9	JHANG	25.0
3	JAM PUR	32.0	10	MUZUFAR GARH	24.0
4	KOT CHUTTA	31.6	11	MIANWALI	24.0
5	SHUJABAD	31.1	12	RAJAN PUR	21.4
6	ISA KHEL	30.0	13	HASILPUR	19.1
7	BAHAWAL PUR	29.5	14	FORT ABBAS	19.1
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
1	KABIR WALA	32.1	9	YAZMAN	20.0
2	SHUJABAD	26.7	10	KEHROR PACCA	18.4
3	DUYAPUR	26.7	11	JAHANIAN	18.0
4	JALAL PUR P.W	25.0	12	PIR MAHAL	17.1
5	CHISHTIAN	24.0	13	KHAN PUR	17.0
6	R.Y.KHAN	22.9	14	JHANG	15.0
7	MULTAN	21.7	15	JATOI	14.9
8	LODHRAN	20.4	16	KHANEWAL	14.5

5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG				
1	CHICHAWATNI	2.1		
6. NOHOT SPOT OF MITES IN ANY TEHSIL				
7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM				
1	A.P. SIAL	14.3	10	KOT CHUTTA
2	SHUJABAD	11.1	11	BAHAWAL PUR
3	JHANG	10.0	12	YAZMAN
4	KHANEWAL	8.1	13	JAHANIAN
5	KOT ADDU	7.1	14	VEHARI
6	JATOI	6.4	15	A.P. EAST
7	MUZUFAR GARH	6.0	16	MULTAN
8	KAROR L.E.	5.6	17	TAUNSA
9	DARYA KHAN	5.6	18	MIAN CHANNU
8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM				
1	JHANG	10.0	4	HASILPUR
2	ALI PUR	8.2	5	MIANWALI
3	OKARA	4.4	6	KABIR WALA
9. NOHOT SPOT OF AMERICAN BOLLWORM IN ANY TEHSIL				
10. NOHOT SPOT OF SPOTTED BOLLWORM IN ANY TEHSIL				
11. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF COTTON LEAF CURL VIRUS				
1	JATOI	34.0	6	SHUJABAD
2	JALAL PUR P.W	32.5	7	R.Y. KHAN
3	VEHARI	26.0	8	MAILSI
4	MULTAN	20.0	9	LIAQUAT PUR
5	A.P. EAST	17.9	10	BURE WALA

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 fellowlands.
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	Dusky Cotton Bug	10 per Leaf/Bud
Army Worm	5 per 25 Plants (BT or Non-BT Varieties) (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
At Multan

- 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.