



No 9392 /DGA(PW&QCP)

Dated: 16-10-2020

DIRECTORATE GENERAL, PEST WARNING & QCP, PUNJAB

AGRICULTURE HOUSE, 21-DAVIS ROAD, LAHORE

Phone: (042) 99204371, Email: pestwarning@yahoo.com

PEST ALERT: COTTON CROP IN SECOND 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	39.44	59.41	41.26	55.72	16.12	76.03	High & Decreasing →
2	JASSID	6.01	79.12	5.99	83.46	3.77	75.99	High & Increasing →
3	THRIPS	0.14	68.23	0.22	73.91	0.00	54.27	Low
4	MEALY BUG	17.00	-	19.38	-	15.81	-	High & Decreasing
5	MITES	0.00	0.14	0.00	0.25	0.00	0.00	Low
6	DUSKY COTTON BUG	3.73	37.55	2.15	32.47	2.45	36.91	Increasing
7	PINK BOLLWORM	14.73	35.56	12.52	32.76	13.13	36.95	High & Increasing
8	AMERICAN BOLLWORM	0.00	0.14	0.00	0.36	0.00	0.08	Low
9	SPOTTED BOLLWORM	0.00	0.80	0.00	0.75	0.00	0.00	Low
10	ARMYWORM	5.54	-	5.35	-	5.36	-	Sustaining
11	CLCUV	19.28	-	20.31	-	12.59	-	Sustaining
TOTAL SPOTS VISITED		2764		AREA SURVEYED (ACRES)		15717		

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	9	LIAQUAT PUR	69.2
2	RAJAN PUR	82.7	10	MULTAN	69.1
3	ROJHAN	80.0	11	R.Y.KHAN	67.3
4	KOT CHUTTA	76.4	12	A.P.EAST	66.0
5	JALAL PUR P.W	71.4	13	BAHAWAL PUR	65.5
6	D.G.KHAN	71.4	14	CHISHTIAN	62.0
7	KHAN PUR	70.4	15	HAROO ABAD	59.1
8	SADIQ ABAD	70.0	16	MINCHAN ABAD	57.1
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
1	CHICHA WATNI	42.4	10	CHOBARA	10.7
2	SAHIWAL	32.3	11	KAROR L.E.	10.5
3	GOJRA	18.8	12	PIR MAHAL	10.0
4	PAK PATTAN	15.6	13	JARANWALA	10.0
5	T.T.SINGH	15.5	14	MANKERA	10.0
6	DEPALPUR	13.6	15	OKARA	9.8
7	JHANG	13.0	16	HAROO ABAD	9.1
8	CHISHTIAN	12.0	17	18-HAZARI	9.1
9	ARIF WALA	11.1	18	A.P.SIAL	9.1
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
1	18-HAZARI	9.1	2	KAROR L.E.	3.5
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
1	KOT CHUTTA	49.1	7	BAHAWAL PUR	34.5
2	ROJHAN	47.5	8	SADIQ ABAD	34.0
3	D.G.KHAN	44.6	9	JAM PUR	32.0
4	YAZMAN	42.4	10	TAUNSA	30.9
5	RAJAN PUR	40.4	11	CHISHTIAN	30.0
6	KHAN PUR	37.0	12	MULTAN	27.9
5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG					
1	HASILPUR	31.9	6	ALI PUR	12.0
2	BAHAWAL PUR	25.9	7	VEHARI	10.0
3	SHUJABAD	16.3	8	BHAKKAR	10.0
4	JALAL PUR P.W	14.3	9	KHANEWAL	9.3
5	YAZMAN	13.6	10	MAILSI	8.0
6. NO HOT SPOT OF MITES IN ANY TEHSIL					
7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM					
1	MULTAN	25.0	9	DUYAPUR	11.9
2	KEHROR PACCA	23.1	10	R.Y.KHAN	10.9
3	LODHRAN	19.0	11	CHICHA WATNI	10.2
4	A.P.EAST	16.0	12	SADIQ ABAD	10.0
5	JALAL PUR P.W	14.3	13	KHAN PUR	7.4
6	BAHAWAL PUR	13.8	14	JATOI	7.1
7	KOT CHUTTA	12.7	15	KAROR L.E.	7.0
8	D.G.KHAN	12.5	16	MIAN CHANNU	7.0

8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM					
1	CHICHA WATNI	35.6	6	LODHRAN	27.6
2	SAHIWAL	32.3	7	SHUJABAD	26.5
3	ALI PUR	30.0	8	SADIQ ABAD	26.0
4	DUYAPUR	29.9	9	R.Y.KHAN	23.6
5	KEHROR PACCA	29.5	10	PIR MAHAL	23.3
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	78.6	9	MULTAN	41.2
2	ALI PUR	66.0	10	HASILPUR	36.2
3	KOT ADDU	64.6	11	LIAQUAT PUR	34.6
4	VEHARI	58.0	12	KOT CHUTTA	34.5
5	MAILSI	56.0	13	D.G.KHAN	33.9
6	BURE WALA	46.0	14	TAUNSA	32.7
7	MUZUFAR GARH	45.7	15	R.Y.KHAN	30.9
8	SHUJABAD	42.9	16	DARYA KHAN	30.8

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

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.