



No. 7776 /DGA(PW&QCP)

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DIRECTORATE GENERAL, PEST WARNING & QCP, PUNJAB
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PEST ALERT: COTTON CROP IN FIRST WEEK SEPTEMBER 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	29.02	69.83	31.80	67.71	17.07	79.90	High & Sustaining →
2	JASSID	11.62	84.97	10.66	84.88	7.57	85.41	High & Sustaining
3	THRIPS	4.32	90.81	10.41	86.83	4.01	87.19	Decreasing
4	MEALY BUG	22.70	-	19.41	-	18.22	-	Increasing →
5	MITES	0.00	1.25	0.00	3.40	0.01	0.59	Low
6	DUSKY COTTON BUG	0.14	20.98	0.07	19.09	0.00	17.24	Low
7	PINK BOLLWORM	4.43	22.87	1.77	19.55	3.70	20.49	Increasing
8	AMERICAN BOLLWORM	0.03	0.41	0.00	0.35	0.00	0.24	Low
9	SPOTTED BOLLWORM	0.03	0.57	0.07	0.42	0.03	0.63	Low
10	ARMYWORM	4.22	-	2.66	-	3.63	-	Increasing
11	CLCUV	15.17	-	13.46	-	18.88	-	High & sustaining
TOTAL SPOTS VISITED		2960		AREA SURVEYED (ACRES)		17284		

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	ALI PUR	62.0	13	A.P.EAST	41.2
2	JATOI	60.4	14	LODIHRAN	40.7
3	IAM PUR	60.0	15	KEHROR PACCA	40.4
4	ROJHAN	60.0	16	MAIL PUR P.W	40.0
5	RAJAN PUR	55.8	17	YAZMAN	39.7
6	TAUNSA	52.0	18	R.Y.KHAN	38.1
7	MANKERA	50.0	19	BHAKKAR	36.4
8	HASILPUR	48.1	20	BAHAWAL PUR	34.3
9	KHANEWAL	46.6	21	MAILSI	34.0
10	DUYAPUR	46.2	22	SADIQ ABAD	33.9
11	D.G.KHAN	45.0	23	MIAN CHANNU	33.3
12	KOT CHUTTA	44.7	24	LIAQUAT PUR	30.3
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
1	FORT ABBAS	33.3	12	KEHROR PACCA	17.5
2	BHAKKAR	27.3	13	MIANWALI	16.7
3	GHOROKOT	26.5	14	PIPLAN	16.7
4	CHISHITIAN	26.0	15	LAYYAH	16.4
5	MINCHAN ABAD	25.0	16	BURE WALA	16.0
6	HASILPUR	24.7	17	BAHAWAL NAGAR	16.0
7	OKARA	24.4	18	A.P.EAST	15.7
8	D.G.KHAN	21.7	19	JHANG	15.4
9	MEHARI	20.0	20	ARIF WALA	15.0
10	YAZMAN	19.0	21	SAHIWAL	14.5
11	FAISALABAD	18.2	22	DARYA KHAN	14.3
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
1	TAUNSA	36.0	13	LIAQUAT PUR	7.9
2	YAZMAN	24.1	14	JATOI	7.5
3	A.P.EAST	13.7	15	BAHAWAL PUR	7.5
4	D.G.KHAN	11.7	16	SADIQ ABAD	7.1
5	ALI PUR	10.0	17	MIANWALI	6.7
6	MANKERA	10.0	18	PIPLAN	6.7
7	KAROR ABAD	9.1	19	ISA KHIL	6.7
8	LAYYAH	9.1	20	R.Y.KHAN	6.3
9	KAROR L.E.	8.8	21	CHISHITIAN	6.0
10	KHAN PUR	8.2	22	KOT CHUTTA	5.8
11	MAILSI	8.0	23	MINCHAN ABAD	4.5
12	BAHAWAL NAGAR	8.0	24	FORT ABBAS	4.4
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
1	ALI PUR	60.0	11	MAILSI	36.0
2	JATOI	58.5	12	BAHAWAL PUR	35.8
3	A.P.EAST	51.0	13	KHAN PUR	35.6
4	DUYAPUR	50.0	14	YAZMAN	34.5
5	HASILPUR	49.4	15	LODIHRAN	33.9
6	R.Y.KHAN	44.4	16	MIAN CHANNU	33.3

7	HEPHTHAN	42.0	17	RAM PUR	32.0
8	KOT CHUHTA	39.8	18	PHATE WALI	28.8
9	FORT ABBAS	37.8	19	LAQUAT PUR	28.1
10	SHUDABAD	36.1	20	BAHAWAN	27.5
5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG					
1	HASILPUR	3.7	2	SHUDABAD	1.6
6. NO HOT SPOT OF MITES IN ANY TEHSIL					
7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM					
1	JATOI	15.1	10	BAHAWAL PUR	9.0
2	ALI PUR	14.0	11	BIANG	7.7
3	KHANI WALI	13.7	12	MINCHAN ABAD	6.8
4	DUYAPUR	13.5	13	KOTE CHUHTA	6.8
5	PIR MAHAL	12.9	14	HEPHTHAN	6.7
6	BAHAWAL NAGAR	12.0	15	FORT ABBAS	6.7
7	KHUROR PACCA	10.5	16	MIANWALI	6.7
8	BAHAWAN	10.0	17	SADIQ ABAD	5.4
9	A.P. EAST	9.8	18	YAZMAN	5.2
8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM					
1	MIAN CHAHNI	20.5	6	BAHAWAL PUR	13.4
2	SANI WALI	19.4	7	KADIR WALA	12.5
3	PIR MAHAL	19.4	8	ALI PUR	10.0
4	KHUROR PACCA	15.8	9	HASILPUR	9.9
5	CHICHA WATNI	14.3	10	DUYAPUR	9.6
9. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF AMERICAN BOLLWORM					
1	MIANWALI	3.3			
10. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF SPOTTED BOLLWORM					
1	R.Y. KHAN	1.6			
11. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF COTTON LEAF CURL VIRUS					
1	ALI PUR	78.0	5	MEHARI	44.0
2	JATOI	62.3	6	SADIQ ABAD	41.1
3	KOT ADDU	51.1	7	MURE WALA	35.0
4	SHUDABAD	44.3	8	MUZUFAR GARH	35.0

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.

• Deputants to take this challenge with increase in effort.

(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.