



DIRECTORATE GENERAL, PEST WARNING & QCP, PUNJAB

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PEST ALERT: COTTON CROP IN FIRST 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	5.21	76.67	1.90	64.92	4.16	78.21	May Increase
2	JASSID	11.18	71.79	5.66	66.63	7.86	69.26	May Increase
3	THRIPS	4.33	75.07	2.05	67.77	1.40	76.93	May Increase
4	MEALY BUG	1.01	-	0.19	-	0.89	-	Sustain
5	MITES	0.04	2.52	0.00	1.37	0.00	0.62	May Decrease
6	DUSKY COTTON BUG	0.04	19.42	0.27	19.50	0.00	2.18	May Decrease
7	PINK BOLLWORM	0.25	10.42	0.76	8.82	0.31	7.28	May Decrease
8	AMERICAN BOLLWORM	0.00	1.43	0.00	1.94	0.00	0.27	May Decrease
9	SPOTTED BOLLWORM	0.00	0.04	0.00	0.30	0.00	0.00	May Decrease
10	ARMYWORM	1.47	-	1.94	-	1.56	-	May Decrease
11	CLCUV	0.13	-	0.00	-	1.36	-	May Increase

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	22.9	14	KAROR L.E.	8.3
2	CHICHA WATNI	21.4	15	SUMUNDRI	7.7
3	DEPALPUR	20.0	16	VEHARI	7.5
4	SAHIWAL	18.8	17	MAILSI	7.5
5	KABIR WALA	16.7	18	LAYYAH	7.5
6	MINCHAN ABAD	14.6	19	SHUJABAD	6.8
7	PAK PATTAN	12.9	20	RENALA KHURD	6.7
8	BURE WALA	12.5	21	FORT ABBAS	6.5
9	ARIF WALA	12.5	22	OKARA	6.3
10	JHANG	10.0	23	KOT ADDU	6.3
11	BAHAWAL NAGAR	9.1	24	LODHRAN	6.1
12	MULTAN	8.9	25	KEHROR PACCA	6.1
13	CHISHTIAN	8.3	26	SADIQ ABAD	5.0
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
1	MULTAN	33.3	15	KOT CHUTTA	14.3
2	BAHAWAL PUR	33.3	16	ALI PUR	14.0
3	MUZUFAR GARH	29.2	17	TAUNSA	13.6
4	SHUJABAD	25.0	18	PAK PATTAN	12.9
5	JALAL PUR P.W	20.0	19	BURE WALA	12.5
6	R.Y.KHAN	19.1	20	KOT ADDU	12.5
7	SAHIWAL	18.8	21	KABIR WALA	11.9
8	A.P.EAST	18.0	22	CHICHA WATNI	10.7
9	HASILPUR	16.7	23	KEHROR PACCA	10.2
10	JAM PUR	16.0	24	MAILSI	10.0
11	YAZMAN	15.6	25	HAROON ABAD	10.0
12	KALLOR KOT	15.4	26	KHAN PUR	10.0
13	ARIF WALA	15.0	27	JHANG	10.0
14	LIAQUAT PUR	15.0	28	TANDLIANWALA	10.0
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
1	KABIR WALA	19.0	8	HASILPUR	10.4
2	CHISHTIAN	16.7	9	KEHROR PACCA	10.2
3	CHICHA WATNI	16.1	10	HAROON ABAD	10.0
4	JHANG	15.0	11	JAM PUR	10.0
5	BAHAWAL PUR	13.7	12	KHANEWAL	8.9
6	MINCHAN ABAD	12.2	13	SHORKOT	7.7
7	BAHAWAL NAGAR	11.4	14	ISA KHEL	6.7
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
1	SAHIWAL	16.7	3	JHANG	5.0
2	CHICHA WATNI	7.1	4	PIR MAHAL	2.9
5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG					
1	LODHRAN				2.0
6. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MITES					
1	BAHAWALPUR				2.0
7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM					

1	SAHIWAL	12.5	10	VEHARI	2.5
2	MULTAN	8.9	11	ARIF WALA	2.5
3	MIAN CHANNU	8.9	12	LIAQUAT PUR	2.5
4	A.P SJAL	7.4	13	MINCHAN ABAD	2.4
5	PAK PATTAN	6.5	14	CHOBARA	2.4
6	KAROR L.E.	5.6	15	KABIR WALA	2.4
7	JHANG	5.0	16	KHANEWAL	2.2
8	SHUJABAD	4.5	17	JAHANIAN	2.2
9	PIR MAHAL	2.9	18	MUZUFAR GARH	2.1
8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM					
1	HASILPUR	4.2	4	LODHRAN	2.0
2	MAILSI	2.5	5	KEHROR PACCA	2.0
3	JAHANIAN	2.2			
9. NO HOT SPOTS OF AMERICAN BOLLWORM IN ANY TEHSIL					
10. NO HOT SPOTS OF SPOTTED BOLLWORM IN ANY TEHSIL					
11. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF COTTON LEAF CURL VIRUS IN ANY TEHSIL					
1	R.Y.KHAN				6.4

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.