



No. 7105 /DGA(PW&QCP)

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DIRECTORATE GENERAL, PEST WARNING & QCP, PUNJAB

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PEST ALERT: COTTON CROP IN SECOND 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	31.44	67.91	30.31	67.72	17.68	79.02	Sustaining
2	JASSID	13.56	82.52	16.67	78.65	11.67	82.00	Decreasing
3	THRIPS	17.26	81.04	13.00	84.85	6.97	85.15	Increasing
4	MEALY BUG	12.44	-	9.86	-	11.26	-	Increasing
5	MITES	0.00	4.42	0.00	4.91	0.00	0.26	Stable
6	DUSKY COTTON BUG	0.11	16.97	0.04	14.85	0.00	7.09	Stable
7	PINK BOLLWORM	0.83	16.50	0.87	11.00	0.99	12.34	Stable
8	AMERICAN BOLLWORM	0.00	0.87	0.00	0.49	0.03	0.03	Stable
9	SPOTTED BOLLWORM	0.00	0.44	0.00	0.49	0.00	0.06	Stable
10	ARMYWORM	2.76	-	2.12	-	2.28	-	Sustaining
11	CLCUV	8.56	-	5.14	-	12.20	-	Increasing
TOTAL SPOTS VISITED		2758		AREA SURVEYED (ACRES)		16538		

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	JALAL PUR P.W	65.1	14	JATOI	37.5
2	VEHARI	58.0	15	CHICHA WATNI	36.7
3	LODHRAN	56.1	16	DUYAPUR	36.0
4	MULTAN	55.4	17	KHANEWAL	35.2
5	HASILPUR	52.8	18	SHUJABAD	34.6
6	MAILSI	52.0	19	PIR MAHAL	34.3
7	MANKERA	50.0	20	BURE WALA	34.0
8	KOT CHUTTA	48.1	21	MIAN CHANNU	33.3
9	D.G.KHAN	48.0	22	ALI PUR	32.7
10	KEHROR PACCA	46.6	23	SAHIWAL	32.3
11	A.P.EAST	43.1	24	T.T.SINGH	30.9
12	BAHAWAL PUR	41.8	25	KABIR WALA	30.4
13	JAM PUR	40.0	26	HAROON ABAD	30.0
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
1	KOT CHUTTA	34.6	14	JALAL PUR P.W	18.6
2	HASILPUR	30.2	15	MAILSI	18.0
3	D.G.KHAN	28.0	16	LIAQUAT PUR	17.6
4	BAHAWAL PUR	27.3	17	YAZMAN	16.3
5	CHISHTIAN	26.0	18	ALI PUR	16.3
6	MANKERA	25.0	19	SADIQ ABAD	16.0
7	FORT ABBAS	24.0	20	DARYA KHAN	15.4
8	A.P.EAST	22.4	21	PAK PATTAN	15.2
9	LODHRAN	21.1	22	LAYYAH	15.1
10	KEHROR PACCA	20.7	23	TAUNSA	15.0
11	HAROON ABAD	20.0	24	MINCHAN ABAD	14.9
12	ISA KHEL	20.0	25	MIANWALI	14.8
13	SHUJABAD	19.2	26	KHAN PUR	14.6
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
1	JATOI	46.4	15	JAM PUR	26.0
2	JALAL PUR P.W	44.2	16	KOT ADDU	25.9
3	MULTAN	38.5	17	DUYAPUR	24.0
4	D.G.KHAN	38.0	18	MUZUFAR GARH	24.0
5	KOT CHUTTA	36.5	19	RAJAN PUR	23.7
6	LODHRAN	35.1	20	KEHROR PACCA	22.4
7	SHUJABAD	34.6	21	VEHARI	22.0
8	BAHAWAL PUR	34.5	22	BAHAWAL NAGAR	22.0
9	TAUNSA	30.0	23	HAROON ABAD	22.0
10	ISA KHEL	30.0	24	R.Y.KHAN	22.0
11	MIANWALI	29.6	25	PIPLAN	20.7
12	YAZMAN	28.6	26	HASILPUR	18.9
13	ALI PUR	28.6	27	MAILSI	18.0
14	A.P.EAST	27.6	28	ROJHAN	17.9
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
1	LODHRAN	45.6	9	R.Y.KHAN	24.0
2	DUYAPUR	38.0	10	KABIR WALA	23.9
3	JALAL PUR P.W	37.2	11	KEHROR PACCA	22.4

4	HASILPUR	30.2	12	BAHAWAL PUR	21.8
5	SHUJABAD	28.8	13	JAHANIAN	21.7
6	MULTAN	26.2	14	KHAN PUR	20.8
7	A.P.EAST	25.9	15	SADIQ ABAD	20.0
8	CHISHTIAN	24.0	16	JATOI	19.6
5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG					
1	SUMUNDRI	3.8	3	HASILPUR	1.9
2	TANDLIANWALA	3.0			
6. NO HOT SPOT OF MITES IN ANY TEHSIL					
7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM					
1	OKARA	10.9	10	DUYAPUR	6.0
2	MULTAN	10.8	11	BAHAWAL NAGAR	6.0
3	A.P.EAST	8.6	12	KAROR L.E.	6.0
4	JHANG	8.3	13	BAHAWAL PUR	5.5
5	YAZMAN	8.2	14	DEPALPUR	4.5
6	SHUJABAD	7.7	15	MINCHAN ABAD	4.3
7	KOT ADDU	7.4	16	FORT ABBAS	4.0
8	T.T.SINGH	7.3	17	CHISHTIAN	4.0
9	JATOI	7.1	18	D.G.KHAN	4.0
8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM					
1	ALI PUR	10.2	4	PAK PATTAN	4.3
2	KHANEWAL	5.6	5	KAROR L.E.	4.0
3	KABIR WALA	4.3	6	SAHIWAL	3.2
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	65.1	6	MAILSI	30.0
2	JATOI	44.6	7	ALI PUR	28.6
3	VEHARI	32.0	8	MULTAN	27.7
4	SHUJABAD	30.8	9	KHAN PUR	20.8

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 DBA 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.