



PEST ALERT: COTTON CROP IN THIRD 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	39.78	59.35	37.10	61.66	25.04	71.10	High & Increasing ✓
2	JASSID	8.49	85.97	11.48	84.01	5.69	83.42	High & Decreasing ✓
3	THRIPS	0.80	84.34	2.76	88.48	1.20	85.64	Low
4	MEALY BUG	23.81	-	24.38	-	19.39	-	High & Sustaining
5	MITES	0.00	1.43	0.00	1.67	0.00	0.44	Low
6	DUSKY COTTON BUG	1.15	31.78	0.55	29.80	0.04	24.53	Increasing
7	PINK BOLLWORM	9.15	28.58	8.10	26.45	7.76	27.73	Increasing
8	AMERICAN BOLLWORM	0.03	0.52	0.04	0.55	0.11	0.36	Low
9	SPOTTED BOLLWORM	0.07	0.84	0.04	0.51	0.00	0.36	Low
10	ARMYWORM	5.60	-	4.94	-	4.77	-	Sustaining
11	CLCUV	21.72	-	20.39	-	19.13	-	High & Sustaining
TOTAL SPOTS VISITED		2873		AREA SURVEYED (ACRES)		17323		

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	DAM PUR	86.0	11	KHANEWAL	62.8
2	ROJHAN	80.0	12	MULTAN	62.7
3	RAJAN PUR	75.0	13	A.P.EAST	59.6
4	DALAL PUR P.W	74.0	14	MIAN CHANNU	59.1
5	JATOI	70.8	15	HASILPUR	54.7
6	DUYAPUR	67.8	16	KABIR WALA	51.2
7	KOT ADDU	67.4	17	KOT CHUTTA	49.1
8	LODHRAN	66.7	18	BAHAWAL PUR	48.3
9	SHUJABAD	66.0	19	D.G.KHAN	48.3
10	ALI PUR	65.3	20	KEHROR PACCA	48.0
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
S/No.	Tehsil	% Hot Spot	S/No.	Tehsil	% Hot Spot
1	MINCHAN ABAD	24.4	11	OKARA	15.9
2	CHISHTIAN	22.0	12	SHUJABAD	15.1
3	BHAKKAR	20.0	13	KAROR L.E.	15.0
4	ARIF WALA	18.2	14	MANKERA	14.3
5	T.T.SINGH	17.4	15	TAUNSA	14.0
6	PIR MAHAL	17.1	16	PAK PATTAN	13.3
7	18-HAZARI	16.7	17	MIANWALI	13.3
8	CHICHA WATNI	16.1	18	HASILPUR	12.0
9	BURE WALA	16.0	19	RENALA KHURD	11.8
10	DFPALPUR	16.0	20	KHANEWAL	11.6
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
S/No.	Tehsil	% Hot Spot	S/No.	Tehsil	% Hot Spot
1	TAUNSA	10.0	6	MAJISI	4.0
2	D.G.KHAN	6.9	7	SADIQ ABAD	3.8
3	KAROR L.E.	6.7	8	KHAN PUR	3.3
4	A.P.SIAL	4.3	9	JATOI	2.1
5	JHANG	4.2	10	LAYYAH	1.8
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
S/No.	Tehsil	% Hot Spot	S/No.	Tehsil	% Hot Spot
1	R.Y.KHAN	52.4	9	DUYAPUR	42.4
2	JAM PUR	52.0	10	YAZMAN	41.0
3	ALI PUR	51.0	11	LODHRAN	40.6
4	A.P.EAST	49.1	12	FORT ABBAS	40.0
5	SHUJABAD	47.2	13	CHISHTIAN	40.0
6	HASILPUR	46.7	14	KHAN PUR	36.7
7	KOT CHUTTA	45.6	15	D.G.KHAN	36.2
8	BAHAWAL PUR	45.0	16	KABIR WALA	34.1
5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG					
S/No.	Tehsil	% Hot Spot	S/No.	Tehsil	% Hot Spot
1	HASILPUR	13.3	7	CHISHTIAN	4.0
2	BAHAWAL PUR	8.3	8	LAYYAH	3.6
3	18-HAZARI	8.0	9	MULTAN	3.4
4	MAJISI	6.0	10	DALAL PUR P.W	2.0
5	BURE WALA	6.0	11	SHUJABAD	1.9
6. NO HOT SPOT OF MITES IN ANY TEHSIL					

7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM				
1	LODHARAN	24.6	9	ALI PUR
2	R.Y.KHAN	20.6	10	KHANEWAL
3	KEHROR PACCA	18.7	11	D.G.KHAN
4	BAHAWAL PUR	16.7	12	DUYAPUR
5	JATOI	14.6	13	18-HAZARI
6	MULTAN	13.6	14	BAHAWAL NAGAR
7	YAZMAN	13.1	15	SADIQ ABAD
8	KOT CHUTTA	10.5	16	A.P.EAST
				7.0
8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM				
1	ALI PUR	32.7	6	VEHARI
2	PIR MAHAL	31.4	7	BURE WALA
3	DUYAPUR	27.1	8	SAHIWAL
4	KEHROR PACCA	24.0	9	MIAN CHANNU
5	LODHARAN	23.2	10	CHICHA WATNI
				14.3
9. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF AMERICAN BOLLWORM				
1	KOT CHUTTA	1.8		
10. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF SPOTTED BOLLWORM				
1	KOT CHUTTA	1.8	2	YAZMAN
				1.6
11. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF COTTON LEAF CURL VIRUS				
1	SHUJABAD	81.1	9	SADIQ ABAD
2	JALAL PUR P.W	80.0	10	R.Y.KHAN
3	MULTAN	78.0	11	MAILSI
4	VEHARI	74.0	12	LIAQUAT PUR
5	ALI PUR	67.3	13	MUZUFAR GARH
6	KOT ADDU	62.8	14	HASILPUR
7	JATOI	58.3	15	DUYAPUR
8	BURE WALA	42.0	16	KEHROR PACCA
				32.0

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.

(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.