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PEST ALERT: COTTON CROP IN FOURTH 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	39.87	59.04	39.78	59.35	28.22	68.53	Very High & Sustaining
2	JASSID	7.57	84.55	8.49	85.97	4.86	82.06	High & Decreasing
3	THRIPS	0.32	84.38	0.80	84.34	0.39	72.11	Low
4	MEALY BUG	22.55	-	23.81	-	19.05	-	High & Sustaining
5	MITES	0.00	1.09	0.00	1.43	0.00	0.03	Low
6	DUSKY COTTON BUG	1.83	31.84	1.15	31.78	0.49	27.96	Increasing
7	PINK BOLLWORM	10.77	31.49	9.15	28.58	9.26	29.93	High & Increasing
8	AMERICAN BOLLWORM	0.04	0.60	0.03	0.52	0.07	0.49	Low
9	SPOTTED BOLLWORM	0.00	0.46	0.07	0.84	0.00	0.36	Low
10	ARMYWORM	5.52	-	5.60	-	4.11	-	Sustaining
11	CLCUV	20.76	-	21.72	-	15.90	-	High & Sustaining
TOTAL SPOTS VISITED		2824		AREA SURVEYED (ACRES)		15785		

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	90.0	11	KABIR WALA	62.5
2	ROJHAN	87.5	12	R.Y.KHAN	60.8
3	RAJAN PUR	80.0	13	JATOI	60.4
4	SHUJABAD	76.5	14	DUYAPUR	59.6
5	JALAL PUR P.W	70.0	15	SADIQ ABAD	58.5
6	LODHRAN	69.0	16	KHAN PUR	58.3
7	KHANEWAL	66.7	17	D.G.KHAN	57.9
8	JAHANIAN	65.9	18	KOT CHUTTA	55.4
9	A.P.EAST	63.6	19	MIAN CHANNU	54.5
10	MULTAN	62.9	20	BAHAWAL PUR	54.4
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
1	OKARA	24.4	11	BURE WALA	12.0
2	CHICHA WATNI	23.6	12	RENALA KHURD	12.0
3	KAROR L.E.	20.7	13	JHANG	12.0
4	PIR MAHAL	20.0	14	FAISALABAD	11.8
5	VEHARI	16.0	15	HAROOON ABAD	11.4
6	CHISHTIAN	16.0	16	BHAKKAR	11.1
7	SUMUNDRI	14.8	17	CHOBARA	10.7
8	MINCHAN ABAD	13.6	18	DEPALPUR	10.3
9	PAK PATTAN	13.3	19	18-HAZARI	10.3
10	SAHIWAL	12.3	20	KEHROR PACCA	10.0
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
1	KAROR L.E.	8.6	3	LAYYAH	1.8
2	TAUNSA	3.6	4	KOT CHUTTA	1.8
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
1	R.Y.KHAN	54.9	9	YAZMAN	42.0
2	ALI PUR	50.0	10	CHISHTIAN	42.0
3	SHUJABAD	47.1	11	JAM PUR	40.0
4	BAHAWAL PUR	45.6	12	ROJHAN	40.0
5	A.P.EAST	45.5	13	KHAN PUR	38.3
6	DUYAPUR	44.7	14	MAILSI	38.0
7	SADIQ ABAD	43.4	15	KOT CHUTTA	37.5
8	KABIR WALA	42.5	16	MULTAN	37.1
5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG					
1	VEHARI	16.0	9	BAHAWAL PUR	7.0
2	HASILPUR	12.2	10	MIAN CHANNU	6.8
3	JALAL PUR P.W	10.0	11	CHISHTIAN	6.0
4	KABIR WALA	10.0	12	FAISALABAD	5.9
5	MAILSI	8.0	13	SHUJABAD	3.9
6	BURE WALA	8.0	14	MINCHAN ABAD	2.3
7	JAHANIAN	7.3	15	BAHAWAL NAGAR	2.0
8	KHANEWAL	7.1	16	MULTAN	1.6
6. NO HOT SPOT OF MITES IN ANY TEHSIL					

7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM					
1	PIR MAHAL	20.0	9	MIAN CHANNU	11.4
2	R.Y.KHAN	19.6	10	DUYAPUR	10.6
3	LODHRAN	19.0	11	ALI PUR	10.0
4	KEHROR PACCA	18.3	12	MULTAN	9.7
5	SADIQ ABAD	17.0	13	A.P.EAST	9.1
6	JATOI	12.5	14	KOT CHUTTA	8.9
7	YAZMAN	12.0	15	BAHAWAL PUR	8.8
8	BAHAWAL NAGAR	12.0	16	KAROR L.E.	6.9
8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM					
1	BURE WALA	28.0	6	DUYAPUR	23.4
2	ALI PUR	28.0	7	VEHARI	22.0
3	KEHROR PACCA	26.7	8	PIR MAHAL	21.8
4	SAHIWAL	26.2	9	JALAL PUR P.W	20.0
5	LODHRAN	25.9	10	CHICHA WATNI	18.2
9. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF AMERICAN BOLLWORM					
1	JAMPUR	2.0			
10. NO HOT SPOT OF SPOTTED BOLLWORM IN ANY TEHSIL					
11. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF COTTON LEAF CURL VIRUS					
1	SHUJABAD	86.3	9	MUZUFAR GARH	44.0
2	MULTAN	79.0	10	LIAQUAT PUR	42.0
3	JALAL PUR P.W	72.5	11	SADIQ ABAD	41.5
4	ALI PUR	66.0	12	R.Y.KHAN	41.2
5	VEHARI	56.0	13	JATOI	37.5
6	BURE WALA	52.0	14	JAHANIAN	36.6
7	KOT ADDU	47.9	15	KHANEWAL	31.0
8	KABIR WALA	47.5	16	KEHROR PACCA	30.0

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.