



PEST ALERT: COTTON CROP IN FOURTH WEEK JUNE 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	1.90	64.92	1.26	51.13	1.53	60.62	✓ Increased
2	JASSID	5.66	66.63	3.92	48.82	2.83	56.17	✓ Increased
3	THRIPS	2.05	67.77	1.44	56.62	0.30	58.09	✓ Increased
4	MEALY BUG	0.19	-	0.04	-	0.24	-	Stable
5	MITES	0.00	1.37	0.00	0.96	0.00	0.12	Stable
6	DUSKY COTTON BUG	0.27	19.50	0.83	18.16	0.00	1.56	Stable
7	PINK BOLLWORM	0.76	8.82	0.87	7.40	0.21	4.78	Stable
8	AMERICAN BOLLWORM	0.00	1.94	0.13	2.96	0.00	0.63	Decreased
9	SPOTTED BOLLWORM	0.00	0.30	0.00	0.09	0.00	0.00	Decreased
10	ARMYWORM	1.94	-	3.01	-	1.05	-	Decreased
11	CLCUV	0.00	-	0.04	-	0.18	-	Decreased

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	CHICHA WATNI	20.5	14	KHAN PUR	3.9
2	DEPALPUR	20.0	15	HASILPUR	3.7
3	RENALA KHURD	15.4	16	A P SIAL	3.4
4	ARIF WALA	12.5	17	KABIR WALA	2.5
5	OKARA	11.1	18	FORT ABBAS	2.5
6	PAK PATTAN	10.0	19	MINCHAN ABAD	2.5
7	SAHIWAL	9.1	20	KAROR L E	2.5
8	MAILSI	5.3	21	LAYYAH	2.2
9	VEHARI	5.0	22	MULTAN	2.0
10	BURE WALA	5.0	23	LODHRAN	2.0
11	JHANG	5.0	24	KEHROR PACCA	2.0
12	SADIQ ABAD	4.0	25	ALI PUR	1.7
13	CHISHTIAN	3.9			

2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID

1	MULTAN	20.0	15	LIAQUAT PUR	10.0
2	DEPALPUR	20.0	16	ALI PUR	10.0
3	CHICHA WATNI	15.9	17	SADIQ ABAD	8.0
4	SAHIWAL	13.6	18	JAM PUR	8.0
5	SHUJABAD	13.5	19	MAILSI	7.9
6	KOT ADDU	13.3	20	RENALA KHURD	7.7
7	JATOI	12.7	21	BURE WALA	7.5
8	ARIF WALA	12.5	22	KOT CHUTTA	7.5
9	MUZUFAR GARH	12.0	23	YAZMAN	6.8
10	JALAL PUR P.W	11.1	24	BAHAWAL PUR	6.3
11	OKARA	11.1	25	LODHRAN	6.0
12	HASILPUR	11.1	26	KEHROR PACCA	6.0
13	R.Y.KHAN	11.1	27	KHAN PUR	5.9
14	PAK PATTAN	10.0	28	A.P.EAST	5.3

3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS

1	CHICHA WATNI	18.2	8	JAHANIAN	5.0
2	CHISHTIAN	9.8	9	KABIR WALA	5.0
3	VEHARI	7.5	10	PAK PATTAN	5.0
4	BURE WALA	7.5	11	HARON ABAD	5.0
5	HASILPUR	7.4	12	MINCHAN ABAD	5.0
6	MUZUFAR GARH	6.0	13	KHANEWAL	4.9
7	MAILSI	5.3	14	BAHAWAL NAGAR	4.8

4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG

1	OKARA	5.6	3	DUYAPUR	2.3
2	HASILPUR	3.7	4	CHICHA WATNI	2.3

5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG

1	FORT ABBAS	7.5	4	HARON ABAD	2.5
2	MINCHAN ABAD	5.0	5	CHISHTIAN	2.0

6. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM

1	MULTAN	20.0	12	SHORKOT	4.3
2	SAHIWAL	13.6	13	ARIF WALA	4.2
3	SHUJABAD	8.1	14	KEHROR PACCA	4.0

4	JAHANIAN	7.5	15	RENALA KHURD	3.8
5	KABIR WALA	7.5	16	A.P SIAL	3.4
6	CHICHA WATNI	6.8	17	KAROR L.E.	2.5
7	GOJRA	5.8	18	T.T.SINGH	2.0
8	MIAN CHANNU	5.0	19	LODHRAN	2.0
9	PAK PATTAN	5.0	20	LIAQUAT PUR	2.0
10	JHANG	5.0	21	CHISHTIAN	2.0
11	KHANEWAL	4.9	22	PIR MAHAL	1.8
7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM					
1	MAILSI	7.9	8	JAHANIAN	2.5
2	RENALA KHURD	7.7	9	BURE WALA	2.5
3	OKARA	5.6	10	LAYYAH	2.2
4	KABIR WALA	5.0	11	LODHRAN	2.0
5	VEHARI	5.0	12	HASILPUR	1.9
6	DUYAPUR	4.7	13	ALI PUR	1.7
7	KEHROR PACCA	4.0			
8. NO HOT SPOTS OF AMERICAN BOLLWORM IN ANY TEHSIL					
9. NO HOT SPOTS OF SPOTTED BOLLWORM IN ANY TEHSIL					
10. NO HOT SPOTS OF COTTON LEAF CURL VIRUS IN ANY TEHSIL					

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 01/07

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.