



DIRECTORATE GENERAL
(PEST WARNING & QUALITY CONTROL OF PESTICIDES)
AGRICULTURE HOUSE, 21 – DAVIS ROAD, LAHORE.
Phone: 042 – 99204371, Fax: 99204373, Email: pestwarning@yahoo.com

نظام اعلیٰ
(پست وارننگ اینڈ کوالٹی کنٹرول
آف پیسٹ سائیزز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 3RD**
WEEK OF JULY, 2021.

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 3rd week of July in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported from 09 districts of Punjab including Sheikhpura, Chiniot, Narowal, Okara, Kasur, Gujranwala, M.B.Din, Sargodha and Chakwal districts which is expected to increase in coming period.


DIRECTOR GENERAL

No. **8501-07** /DGA(PW&QCP) Dated: **19-07-2021.**

Copy forwarded for information to;

- PS to Minister for Agriculture, Punjab, Lahore.
- Secretary Agriculture, Government of Punjab, Lahore.
- Secretary Agriculture, South Punjab, Multan.
- Director General of Agriculture (Ext. & AR) Punjab, Lahore.
- Director General of Agriculture (Research) AARI, Faisalabad.
- Director General, Department of Plant Protection, Karachi.
- Director Agriculture Information, Punjab, Lahore.

WEEKLY PEST SCOUTING REPORT OF MAIZE

Sr. #	District	No. of Spots Acres	Area Surveyed Acres	Area Affected Acres	Army Worm	Fall Army worm	Spots of Insect Pests (Above ETL)						Spots of Insect Pests (Below ETL)						Disease Incidence		
							Hopper	Toka	Shoot Fly	Maize Stem Borer	Helicover pa	Hopper	Toka	Shoot Fly	Maize Stem Borer	Helicover pa	Stalk Rot	Leaf Blight	Smut		
1	Multan	15	58	20	0.00	0.00	0.00	0.00	0.00	0.00	13.33	0.00	0.00	0.00	6.67	0.00	0.00	0.00			
2	Khanewal	15	35	6	6.67	0.00	0.00	26.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
3	Vehari	15	61	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
4	Lodhran	10	34	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
5	Sahiwal	24	70	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.17	0.00	0.00	0.00	0.00			
6	Pakpattan	22	54	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
7	Okara	8	45	3	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
8	R.Y.Khan	13	26	14	0.00	0.00	0.00	0.00	0.00	0.00	30.77	0.00	0.00	46.15	0.00	0.00	0.00	0.00			
9	D.G.Khan	95	132	28	0.00	0.00	0.00	0.00	21.05	15.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
10	M.Garh	8	10	3	0.00	0.00	0.00	0.00	25.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
11	Rajapur	4	5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
12	Layyah	20	32	4	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
13	Lahore	4	28	11	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
14	Shekhupura	76	270	54	3.95	5.26	0.00	0.00	0.00	0.00	0.00	2.63	7.89	0.00	5.26	0.00	0.00	0.00			
15	Nankana Sahib	3	4.5	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00			
16	Kasur	48	175	37	0.00	2.08	0.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00	8.33	0.00	0.00	0.00			
17	Gujranwala	3	11	11	0.00	33.33	0.00	0.00	0.00	0.00	0.00	66.67	0.00	0.00	0.00	0.00	0.00	0.00			
18	Sialkot	13	19	1.5	0.00	0.00	0.00	0.00	0.00	23.08	0.00	15.38	0.00	0.00	0.00	0.00	0.00	0.00			
19	Narowal	7	10	8	0.00	42.86	0.00	0.00	0.00	0.00	0.00	28.57	0.00	0.00	0.00	0.00	0.00	0.00			
20	M.B. Din	9	14	1	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
21	Gujrat	3	12	1	0.00	0.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
22	Faisalabad	55	102.5	18	1.82	0.00	0.00	0.00	0.00	0.00	0.00	27.27	0.00	5.45	0.00	0.00	0.00	0.00			
23	Chiniot	14	40	22	7.14	28.57	0.00	7.14	0.00	0.00	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00			

Sr. #	District	No. of Spots Acres	Area		Fail Army worm	Spots of Insect Pests (Above ETL)				Spots of Insect Pests (Below ETL)				Disease Incidence				
			Surveyed Acres	Affected Acres		Army Worm	Hopper	Toka	Shoot Fly	Maize Stem Borer	Helicover pa	Hopper	Toka	Shoot Fly	Maize Stem Borer	Helicover pa	Stalk Rot	Leaf Blight
24	TTSingh	4	7.25	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	Jhang	26	57	11	26.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	Sargodha	1	0.5	0.5	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	Bhakkar	19	21.5	6.5	5.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	Mianwali	12	19	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	Jhelum	1	1	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Chakwal	7	3.375	0.625	42.86	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	Rawalpindi	16	18.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	Attock	3	12.6	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total		573	1388.4	279.48	2.97	0.00	0.87	3.84	3.84	0.00	1.75	4.89	2.62	5.24	1.57	0.00	0.00	0.00

PEST SITUATION ON MAIZE CROP IN PUNJAB DURING 3RD WEEK OF JULY, 2021

Pest Situation of Maize Pests						
Sr. No.	Pest Name	%age of spots				Remarks
		Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Hopper	0.00	1.75	0.00	0.00	-
2	Shoot Fly	3.84	2.62	0.00	7.58	Increasing
3	Maize Stem Borer	3.84	5.24	0.00	7.40	Increasing
4	Armyworm	3.49	-	1.62	-	Increasing
5	Fall Armyworm	2.97	-	1.08	-	Increasing
6	Stalk Rot	0.00	-	0.00	-	-
7	Leaf Blight	0.00	-	0.00	-	-
8	Smut	0.00	-	0.00	-	-

DISTRICT WISE PERCENTAGE OF HOT SPOTS OF FALL ARMYWORM

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 3RD WEEK OF JULY 2021					
Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Sheikhupura	76	270	4	5.3
2	Chiniot	14	40	4	28.6
3	Narowal	7	10	3	42.9
4	Okara	8	45	1	12.5
5	Kasur	48	175	1	2.1
6	Gujranwala	3	11	1	33.3
7	M.B. Din	9	14	1	11.1
8	Sargodha	1	0.5	1	100.0
9	Chakwal	7	3.375	1	0.0
10	Multan	15	58	0	0.0
11	Khanewal	15	35.0	0	0.0
12	Vehari	15	61	0	0.0
13	Lodhran	10	34	0	0.0
14	Sahiwal	24	70	0	0.0
15	Pakpattan	22	54	0	0.0
16	R.Y.Khan	13	26	0	0.0
17	D.G.Khan	95	132	0	0.0
18	M.Garh	8	10	0	0.0
19	Rajanpur	4	5	0	0.0

20	Layyah	20	32	0	0.0
21	Lahore	4	28	0	0.0
22	Nankana Sahib	3	4.5	0	0.0
23	Sialkot	13	19	0	0.0
24	Gujrat	3	12	0	0.0
25	Faisalabad	55	102.5	0	0.0
26	TTSingh	4	7.25	0	0.0
27	Jhang	26	57	0	0.0
28	Bhakkar	19	21.5	0	0.0
29	Mianwali	12	19	0	0.0
30	Jehlum	1	1	0	0.0
31	Rawalpindi	16	18.2	0	0.0
32	Attock	3	12.6	0	0.0
G.TOT 2021		573	1388	17	3.0

FORECAST FOR THE NEXT WEEK:

The optimum temperature for Fall Armyworm is 25-35 °C and RH is 80% while the temperature forecast for the next 7 days particularly in Sahiwal Division is Maximum. Avg is 35.28 °C, Minimum Avg. is 28.01 °C and RH will be 50.00%. So it can be predicted that in the coming days the pest infestation may increase under existing climatic conditions.

MANAGEMENT PRACTICES:

Following practices may be adopted for the management of FAW and to prevent its further spread:

1. Conduct Pest scouting twice in a week.
2. Install light traps in maize fields for correct identification of pest.
3. Mechanical control through hand picking of larvae and egg masses.
4. Placing of sand or ash in the whorls where pest attack is at lower ebb.
5. Ensure need-based sprays and spot treatments.
6. Spray at late afternoon or early morning.
7. Whorl application of granular insecticides.
8. Avoid repeated applications of pesticides having same mode of action.
9. Try Bio-Pesticides & Botanicals.
10. Conserve and attract natural enemies.
11. At present no pesticides is registered against Fall Armyworm, however results of following pesticides are better against FAW;
Emamectin+Fipronil @ 8kg/A, Emamectin+Carbofuran @ 8Kg/A, Emamactin@ 240ml/A, Leufenuron @ 240ml/A, Spintoram (120SC) @ 100ml/A.
Chlorantraniliprole 20%SC@100ml/A