




**DIRECTORATE GENERAL**  
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نظامت اعلیٰ  
(پست وارننگ اینڈ کوالٹی کنٹرول  
آف پیسٹ سائٹز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 3<sup>RD</sup>**  
**WEEK OF JUNE, 2021.**

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

At present the pest infestation is reported from 10 districts of Punjab including Vehari, Sheikhpura, Khanewal, Lodhran, Chiniot, Rajanpur, Ferozewala, Kasur, M.B.Din and Gujrat districts which is expected to sustain in coming period.

  
(Dr. Muhammad Aslam)  
Director General

No. 7493-99/DGA(PW&QCP) Dated: 23-06-2021

**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		Area Surveyed		Area Affected		Spots of Insect Pests (Above ETL)										Spots of Insect Pests (Below ETL)					Disease Incidence		
		Acres	Acres	Acres	Acres	Hopper	Shoot Fly	Maize Stem Borer	Helicoverpa	Army Worm	Fall Army worm	Hopper	Shoot Fly	Helicoverpa	Maize Stem Borer	Stalk Rot	Leaf Blight	Smut							
1	Multan	13	43	7	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	0.00	0.00					
2	Khanewal	69	201	32	0.00	0.00	0.00	0.00	10.14	2.90	0.00	0.00	0.00	15.94	0.00	0.00	0.00	0.00	0.00	0.00					
3	Veohari	14	78	13	0.00	0.00	0.00	0.00	0.00	28.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
4	Lodhran	6	10	3	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	0.00	0.00					
5	Sahiwal	10	38	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	0.00	0.00					
6	Pakpatan	16	81	2	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	0.00	0.00					
7	Okara	9	40	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
8	Bahawalpur	5	68	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	0.00	0.00					
9	Bahawalnagar	10	42	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	0.00	0.00					
10	R Y Khan	0	0	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	0.00	0.00					
11	D G Khan	80	101	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
12	M Garh	5	8	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
13	Rajampur	4	5	2	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
14	Layyah	22	45	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.18	0.00	0.00	0.00	0.00	0.00	0.00					
15	Faisalabad	0	0	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	0.00	0.00					
16	T.T.Sing	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	0.00	0.00					
17	Jhang	15	27	10	0.00	0.00	0.00	0.00	26.67	0.00	0.00	0.00	0.00	26.67	0.00	0.00	0.00	0.00	0.00	0.00					
18	Chinot	3	58	3	0.00	0.00	0.00	0.00	0.00	66.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
19	Lahore	15	85	10	0.00	0.00	6.67	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00					
20	Sheikhpura	14	60	8	0.00	0.00	0.00	0.00	0.00	21.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
21	Ferozwalla	15	25	0	0.00	0.00	0.00	0.00	0.00	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
22	Nankana Sahib	6	10.5	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00					
23	Kasur	40	221	12	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
24	Sargodha	0	0	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	0.00	0.00					
25	Khushab	0	0	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	0.00	0.00					
26	Minawali	14	32	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00					
27	Bhakkar	7	22	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.71	0.00	0.00	0.00	0.00	0.00	0.00					
28	Gujranwala	7	45.5	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.57	0.00	0.00	0.00	0.00	0.00	0.00					
29	Hatrzabad	5	18	7	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	0.00	0.00					
30	Stalkot	98	395	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	0.00	0.00					
31	Narowal	24	29	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	0.00	0.00					
32	M.B.Din	17	26	0	0.00	0.00	0.00	0.00	0.00	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
33	Gujrat	21	59.5	1	0.00	0.00	0.00	0.00	0.00	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
34	Jhelum	22	73	12	0.00	0.00	9.09	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					
35	Chakwal	13	4.75	0.375	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
36	Rawalpindi	9	1.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00					
37	Attock	0	0	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	0.00	0.00					
<b>G.TOT 2021</b>		<b>612</b>	<b>1958</b>	<b>181</b>	<b>0.00</b>	<b>0.00</b>	<b>0.49</b>	<b>0.00</b>	<b>1.80</b>	<b>2.94</b>	<b>0.00</b>	<b>2.12</b>	<b>0.49</b>	<b>8.50</b>	<b>0.33</b>	<b>0.49</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>					



## PEST SITUATION ON MAIZE CROP IN PUNJAB DURING 3RD WEEK OF JUNE, 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	0.00	0.00	0.00	-
2	Shoot Fly	0.00	2.12	0.12	2.11	Decreasing
3	Maize Stem Borer	0.49	8.50	0.23	4.46	<b>Increasing</b>
4	Armyworm	1.80	-	2.11	-	Decreasing
5	Fall Armyworm	2.94	-	0.94	-	<b>Increasing</b>
6	Stalk Rot	0.33	-	0.00	-	<b>Increasing</b>
7	Leaf Blight	0.49	-	0.47	-	Low
8	Smut	0.00	-	0.23	-	Decreasing

### DISTRICT WISE PERCENTAGE OF HOT SPOTS OF FALL ARMYWORM

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 3RD WEEK OF JUNE 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	Vehari	14	78	4	28.6
2	Sheikhupura	14	60	3	21.4
3	Khanewal	69	201	2	2.9
4	Lodhran	6	10	2	33.3
5	Chiniot	3	58	2	66.7
6	Rajanpur	4	5	1	25.0
7	Ferozwala	15	25	1	6.7
8	Kasur	40	221	1	2.5
9	M.B.Din	17	26	1	5.9
10	Gujrat	21	59.5	1	4.8
11	Multan	13	43	0	0.0
12	Sahiwal	10	38	0	0.0
13	Pakpattan	16	81	0	0.0
14	Okara	9	40	0	0.0
15	Bahawalpur	5	68	0	0.0
16	Bahawalnagar	10	42	0	0.0
17	D.G.Khan	80	101	0	0.0
18	M.Garh	5	8	0	0.0
19	Layyah	22	45	0	0.0



20	T.T.Sing	4	5.0	0	0.0
21	Jhang	15	27	0	0.0
22	Lahore	15	85	0	0.0
23	Nankana Sahib	6	10.5	0	0.0
24	Minawali	14	32	0	0.0
25	Bhakkar	7	22	0	0.0
26	Gujranwala	7	45.5	0	0.0
27	Hafizabad	5	18	0	0.0
28	Sialkot	98	395	0	0.0
29	Narowal	24	29	0	0.0
30	Jehlum	22	73	0	0.0
31	Chakwal	13	4.75	0	0.0
32	Rawalpindi	9	1.5	0	0.0
<b>G.TOT 2021</b>		<b>612</b>	<b>1958</b>	<b>18</b>	<b>2.9</b>

### 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 is 30-40 °C and RH will be 25%. So it can be predicted that in the coming days the pest infestation may sustain 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