



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

نظامت اعلیٰ  
(پیسٹ وارننگ اینڈ کوالٹی کنٹرول  
آف پیسٹ سائیزرز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 3<sup>RD</sup>**  
**WEEK OF NOVEMBER, 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 November in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 25 districts whereas the infestation on Sorghum Crop is observed from 01 districts and the infestation on Potato Crop is observed from 02 districts in Punjab which is expected to sustain in coming period.

  
**DIRECTOR GENERAL**

No. **13889-95** /DGA(PW&QCP) Dated: **23-11-2021**  
**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.

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

Pest Situation of Maize Pests						
		%age of spots				Remarks
Sr. No.	Pest Name	Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	1.75	0.00	4.68	-
2	Fall Armyworm	34.43	-	32.28	-	Increasing

Pest Situation of Sorghum Pests						
		%age of spots				Remarks
Sr. No.	Pest Name	Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	13.89	0.00	19.67	-
2	Fall Armyworm	5.56	-	10.36	-	Decreasing

Pest Situation of FAW on Millet Crop						
		%age of spots				Remarks
Sr. No.	Pest Name	Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	0.00	0.00	0.00	-
2	Fall Armyworm	0.00	-	1.33	-	Decreasing

Pest Situation of FAW on Potato Crop						
		%age of spots				Remarks
Sr. No.	Pest Name	Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Fall Armyworm	4.1	-	2.9	-	Increasing

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

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 3rd WEEK OF NOVEMBER 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	Sahiwal	43	151	18	41.9
2	Faisalabad	39	73.3	16	41.0
3	Lodhran	33	297	12	36.4
4	Sargodha	11	16	11	100.0
5	Khanewal	23	82	10	43.5



6	Jhang	28	64	10	35.7
7	Multan	46	256	9	19.6
8	Pakpattan	39	112	9	23.1
9	Kasur	40	152	9	22.5
10	Chiniot	15	30	7	46.7
11	Bahawalpur	17	150	6	35.3
12	Okara	16	26	5	31.3
13	Vehari	15	78	4	26.7
14	Nankana Sahib	7	10	4	57.1
15	M.B. Din	15	26	4	26.7
16	Mianwali	15	19	4	26.7
17	Ferozwala	5	5	3	60.0
18	Sialkot	7	17	3	42.9
19	Gujrat	4	4	3	75.0
20	Khushab	3	4	3	100.0
21	Lahore	5	23	2	40.0
22	Sheikhupura	9	20	2	22.2
23	Bhakkar	7	3.7	1	14.3
24	Chakwal	4	1.88	1	25.0
25	Rawalpindi	1	0.1	1	100.0
26	Bahawalnagar	0	0	0	0.0
27	R.Y.Khan	0	0	0	0.0
28	D.G.Khan	0	0	0	0.0
29	M.Garh	0	0	0	0.0
30	Rajanpur	0	0	0	0.0
31	Layyah	0	0	0	0.0
32	Gujranwala	3	10	0	0.0
33	Hafizabad	0	0	0	0.0
34	Narowal	0	0	0	0.0
35	TTSingh	6	11.0	0	0.0
36	Jehlum	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2021</b>		<b>456</b>	<b>1642</b>	<b>157</b>	<b>34.4</b>

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
SORGHUM CROP FOR 3rd WEEK OF NOVEMBER 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	Sahiwal	20	25	2	10.0
2	Multan	0	0	0	0.0
3	Khanewal	0	0	0	0.0
4	Vehari	0	0	0	0.0

5	Lodhran	0	0	0	0.0
6	Pakpattan	0	0	0	0.0
7	Okara	0	0	0	0.0
8	Bahawalpur	7	9	0	0.0
9	Bahawalnagar	0	0	0	0.0
10	R.Y.Khan	0	0	0	0.0
11	D.G.Khan	0	0	0	0.0
12	M.Garh	0	0	0	0.0
13	Rajanpur	0	0	0	0.0
14	Layyah	0	0	0	0.0
15	Faisalabad	0	0	0	0.0
16	T.T.Sing	6	3.5	0	0.0
17	Jhang	0	0	0	0.0
18	Chiniot	2	4	0	0.0
19	Lahore	0	0	0	0.0
20	Kasur	0	0	0	0.0
21	Sheikhupura	0	0	0	0.0
22	Ferozwala	1	1	0	0.0
23	Nankana Sahib	0	0	0	0.0
24	Sargodha	0	0	0	0.0
25	Khushab	0	0	0	0.0
26	Minawali	0	0	0	0.0
27	Bhakkar	0	0	0	0.0
28	Gujranwala	0	0	0	0.0
29	Hafizabad	0	0	0	0.0
30	Sialkot	0	0	0	0.0
31	Narowal	0	0	0	0.0
32	M.B.Din	0	0	0	0.0
33	Gujrat	0	0	0	0.0
34	Jehlum	0	0	0	0.0
35	Chakwal	0	0	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2021</b>		<b>36</b>	<b>42.5</b>	<b>2</b>	<b>5.6</b>

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
MILLET CROP FOR 3rd WEEK OF NOVEMBER 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	Multan	0	0	0	0.0
2	Khanewal	0	0	0	0.0
3	Vehari	0	0	0	0.0

DIRECTORATE GENERAL OF PEST WARNING AND QUALITY CONTROL OF PESTICIDES  
PUNJAB, LAHORE



4	Lodhran	0	0	0	0.0
5	Sahiwal	0	0	0	0.0
6	Pakpattan	0	0	0	0.0
7	Okara	0	0	0	0.0
8	Bahawalpur	4	23	0	0.0
9	Bahawalnagar	0	0	0	0.0
10	R.Y.Khan	0	0	0	0.0
11	D.G.Khan	0	0	0	0.0
12	M.Garh	0	0	0	0.0
13	Rajanpur	0	0	0	0.0
14	Layyah	0	0	0	0.0
15	Faisalabad	0	0	0	0.0
16	T.T.Sing	0	0	0	0.0
17	Jhang	0	0	0	0.0
18	Chiniot	0	0	0	0.0
19	Lahore	0	0	0	0.0
20	Kasur	0	0	0	0.0
21	Sheikhupura	0	0	0	0.0
22	Ferozwala	0	0	0	0.0
23	Nankana Sahib	0	0	0	0.0
24	Sargodha	0	0	0	0.0
25	Khushab	0	0	0	0.0
26	Minawali	0	0	0	0.0
27	Bhakkar	16	16.6	0	0.0
28	Gujranwala	0	0	0	0.0
29	Hafizabad	0	0	0	0.0
30	Sialkot	0	0	0	0.0
31	Narowal	0	0	0	0.0
32	M.B.Din	0	0	0	0.0
33	Gujrat	0	0	0	0.0
34	Jehlum	0	0	0	0.0
35	Chakwal	2	0.8	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2021</b>		<b>22</b>	<b>40.4</b>	<b>0</b>	<b>0.0</b>

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
POTATO CROP FOR 3rd WEEK OF NOVEMBER 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	Khanewal	5	83	2	40.0
2	Sahiwal	11	96	1	9.1

3	Multan	0	0	0	0.0
4	Lodhran	0	0	0	0.0
5	Vehari	6	101	0	0.0
6	Pakpattan	10	27	0	0.0
7	Okara	8	44	0	0.0
8	Bahawal pur	0	0	0	0.0
9	Bahawalnagar	0	0	0	0.0
10	R.Y. Khan	0	0	0	0.0
11	D.G.Khan	0	0	0	0.0
12	M.Garh	0	0	0	0.0
13	Rajanpur	0	0	0	0.0
14	Layyah	0	0	0	0.0
15	Chiniot	0	0	0	0.0
16	Faisalabad	6	72	0	0.0
17	TT.Singh	0	0	0	0.0
18	Chiniot	0	0	0	0.0
19	Lahore	0	0	0	0.0
20	Kasur	19	191	0	0.0
21	Sheikhupura	8	142	0	0.0
22	Nankana Sahib	0	0	0	0.0
23	Sargodha	0	0	0	0.0
24	Khushab	0	0	0	0.0
25	Minawali	0	0	0	0.0
26	Bhakkar	0	0	0	0.0
27	Gujranwala	0	0	0	0.0
28	Hafizabad	0	0	0	0.0
29	Sialkot	0	0	0	0.0
30	Narowal	0	0	0	0.0
31	M.B.Din	0	0	0	0.0
32	Gujrat	0	0	0	0.0
33	Jehlum	0	0	0	0.0
34	Chakwal	0	0	0	0.0
35	Rawalpindi	0	0	0	0.0
36	Attock	0	0	0	0.0
<b>G.TOT 2021</b>		<b>73</b>	<b>756</b>	<b>3</b>	<b>4.1</b>



**FORECAST FOR THE NEXT WEEK:**

DISTRICTS	TEMPERATURE	
	Max. Temp (°C)	Min. Temp (°C)
Sahiwal	27.1	10.6
Pakpattan	27.1	10.6
Okara	27.1	10.6
Jhang	27.1	10.6
Toba Tek Singh	27.1	10.6
Chiniot	26.9	9.4
Multan	27.0	12.1
Khanewal	27.6	10.7
Vehari	27.6	10.7
Lodhran	27.0	12.6
<b>AVG</b>	<b>27.2</b>	<b>10.8</b>

Optimum temperature requirement for rapid multiplication of Fall Army Worm is 25-35 °C and it is predicted that the average temperature for the next week may not favor for the rapid development of Fall Army Worm.

**MANAGEMENT PRACTICES:**

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

1. Conduct Pest scouting twice a week.
2. Install light traps in maize fields.
3. Mechanical control through hand picking of larvae and egg masses.
4. Placing of sand or ash in the whorls on early stage crop.
5. Ensure need-based sprays and spot treatments.
6. Spray at late afternoon or early morning.
7. Whorl application of granular insecticides and use of T-Jet nozzle in case of sprays for better coverage.
8. Avoid repeated applications of pesticides having same mode of action.
9. Plant refuge/insectary crops along the borders or surrounding of Maize Crop to attract and provide shelter to beneficial insects.
10. At present few pesticides are 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