



**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  
(پست وارننگ اینڈ کوآپریٹو کنٹرول  
آف پیسٹی سائیزرز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 4<sup>TH</sup>**  
**WEEK OF NOVEMBER, 2021.**

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 4<sup>th</sup> week of November in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 26 districts whereas the infestation on Sorghum Crop is observed from 01 districts and the infestation on Alternate host plants is observed from 03 districts in Punjab which is expected to sustain in coming period.

  
/ DIRECTOR GENERAL

No. **14178-83** /DGA(PW&QCP) Dated: **30-11-2021**  
**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 4<sup>TH</sup> WEEK OF NOVEMBER, 2021

Pest Situation of Maize Pests						
Sr. No.	Pest Name	%age of spots				Remarks
		Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	1.52	1.52	0.00	1.75	Decreasing
2	Fall Armyworm	32.52	-	34.43	-	Decreasing

Pest Situation of Sorghum Pests						
Sr. No.	Pest Name	%age of spots				Remarks
		Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	0.00	0.00	13.89	--
2	Fall Armyworm	9.09	-	5.56	-	Increasing

Pest Situation of FAW on Millet Crop						
Sr. No.	Pest Name	%age of spots				Remarks
		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	-	0.00	-	-

Pest Situation of FAW on Other Alternate Host Plants						
Sr. No.	Name of Crop	%age of spots on FAW				Remarks
		Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Potato	10.0	-	4.1	-	Increasing
2	Mot Grass	20.00	-	-	-	Reported

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

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 4th 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	Faisalabad	24	32.4	10	41.7
2	Lodhran	39	385	8	20.5
3	Multan	31	241	7	22.6
4	Khanewal	18	110	7	38.9
5	R.Y.Khan	8	10	7	87.5



6	Jhang	16	57	7	43.8
7	Bahawalpur	25	199	6	24.0
8	Sahiwal	10	34	5	50.0
9	Pakpattan	19	99	5	26.3
10	Kasur	26	68	5	19.2
11	Chiniot	10	15	5	50.0
12	Okara	7	16	4	57.1
13	Nankana Sahib	7	10.5	4	57.1
14	Ferozwala	10	22	4	40.0
15	Sheikhupura	9	36	3	33.3
16	Sialkot	5	10	3	60.0
17	Sargodha	3	3.5	3	100.0
18	Mianwali	15	18	3	20.0
19	Lahore	5	10	2	40.0
20	Narowal	3	15	2	66.7
21	Bhakkar	9	10	2	22.2
22	Gujrat	2	2	1	50.0
23	TTSingh	1	0.3	1	100.0
24	Khushab	1	1	1	100.0
25	Chakwal	6	4.875	1	16.7
26	Attock	1	0.1	1	100.0
27	Vehari	15	45	0	0.0
28	Bahawalnagar	0	0	0	0.0
29	D.G.Khan	0	0	0	0.0
30	M.Garh	0	0	0	0.0
31	Rajanpur	0	0	0	0.0
32	Layyah	0	0	0	0.0
33	Gujranwala	3	10	0	0.0
34	Hafizabad	0	0	0	0.0
35	M.B. Din	0	0	0	0.0
36	Jehlum	1	6	0	0.0
37	Rawalpindi	0	0	0	0.0
<b>G.TOT 2021</b>		<b>329</b>	<b>1471</b>	<b>107</b>	<b>32.5</b>

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
SORGHUM CROP FOR 4th 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	T.T.Sing	1	1	1	100.0
2	Multan	0	0	0	0.0
3	Khanewal	0	0	0	0.0
4	Vehari	0	0.0	0	0.0



5	Lodhran	0	0	0	0.0
6	Sahiwal	5	6	0	0.0
7	Pakpattan	0	0	0	0.0
8	Okara	0	0	0	0.0
9	Bahawalpur	0	0	0	0.0
10	Bahawalnagar	0	0	0	0.0
11	R.Y.Khan	0	0	0	0.0
12	D.G.Khan	0	0	0	0.0
13	M.Garh	0	0	0	0.0
14	Rajanpur	0	0	0	0.0
15	Layyah	0	0	0	0.0
16	Faisalabad	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	5	5	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>11</b>	<b>12</b>	<b>1</b>	<b>9.1</b>

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
MILLET CROP FOR 4th 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

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	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	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	5	5	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	1	0.5	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2021</b>		<b>6</b>	<b>5.5</b>	<b>0</b>	<b>0.0</b>



**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON OTHER ALTERNATIVE HOST PLANTS FOR 4<sup>TH</sup> WEEK OF NOVEMBER 2021**

Sr. #	Name of Crop	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Potato	30	327	3	10.0
2	Mot Grass	5	5	1	20.0
<b>G.TOT 2021</b>		<b>35</b>	<b>332</b>	<b>4</b>	<b>11.42</b>

**FORECAST FOR THE NEXT WEEK:**

DISTRICTS	TEMPERATURE	
	Max. Temp (°C)	Min. Temp (°C)
Sahiwal	24.3	11.6
Pakpattan	23.1	12.9
Okara	22.7	12.1
Jhang	23.8	11.7
Toba Tek Singh	24.3	11.4
Chiniot	23.1	9.7
Multan	24.3	12.3
Khanewal	24.7	11.4
Vehari	24.1	12.1
Lodhran	24.0	12.7
<b>AVG</b>	<b>23.8</b>	<b>11.8</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