



**DIRECTORATE GENERAL**  
**(PEST WARNING & QUALITY CONTROL OF PESTICIDES)**  
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نظامت اعلیٰ  
(پیسٹ وارننگ اینڈ کوالٹی کنٹرول  
آف پیسٹ سائیزرز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 4<sup>TH</sup>**  
**WEEK OF NOVEMBER, 2022.**

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 25 districts, infestation is reported on Sorghum Crop from 01 district and infestation is not reported on Millet Crop.

  
Assistant Director of Agri. (PP) Hqr  
For DIRECTOR GENERAL

No. 13465-71 /DGA (PW&QCP)  
Copy forwarded for information to;

Dated: 05.12.2022

- 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.
- The Chief Scientist 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, 2022

Pest Situation of Maize Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	8.17	0.00	6.80	1.52	1.52	-
2	Fall Armyworm	28.92	-	31.25	-	22.52	-	Decreasing

Pest Situation of Sorghum Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	6.25	0.00	0.00	0.86	0.00	0.00	Increasing
2	Fall Armyworm	6.25	-	11.21	-	9.09	-	Decreasing

Pest Situation of Millet Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	0.00	0.00	0.00	0.00	0.00	-
2	Fall Armyworm	0.00	-	0.00	-	0.00	-	-

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 4TH WEEK OF NOVEMBER, 2022						
Sr. #	district	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm	
1	R.Y.Khan	8	20	8	100.0	
2	Khushab	2	0.75	2	100.0	
3	Bhakkar	2	1.5	2	100.0	
4	Sheikhupura	8	12	6	75.0	
5	Bahawalpur	25	145	16	64.0	
6	Layyah	7	16	4	57.1	
7	Khanewal	17	63	8	47.1	
8	Vehari	15	40	6	40.0	
9	M.Garh	26	35	9	34.6	
10	Jhang	21	47	7	33.3	
11	Rawalpindi	6	3.9	2	33.3	
12	Attock	3	3.6	1	33.3	
13	Okara	16	97	5	31.3	
14	Lahore	14	61	4	28.6	
15	Sargodha	15	27	4	26.7	
16	Kasur	16	45	4	25.0	
17	Chiniot	8	23	2	25.0	



18	Pakpattan	26	44	6	23.1
19	Multan	49	332	11	22.4
20	Sahiwal	25	91	5	20.0
21	Lodhran	44	712	8	18.2
22	Mianwali	12	15	2	16.7
23	Rajanpur	15	15	2	13.3
24	Bahawalnagar	16	52	2	12.5
25	D.G.Khan	50	63	5	10.0
26	Nankana Sahib	0	0	0	0.0
27	Ferozwala	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	Faisalabad	0	0	0	0.0
35	TTSingh	0	0	0	0.0
36	Jhelum	2	3	0	0.0
37	Chakwal	5	1.375	0	0.0
<b>G.TOT 2022</b>		<b>453</b>	<b>1969.13</b>	<b>131</b>	<b>28.9</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 4TH WEEK OF NOVEMBER, 2022**

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Kasur	6	7	1	16.7
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	Sahiwal	0	0	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	T.T.Sing	0	0	0	0.0
18	Jhang	0	0	0	0.0
19	Chiniot	0	0	0	0.0
20	Lahore	0	0	0	0.0
21	Sheikhupura	5	5	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	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	Jhelum	0	0	0	0.0
35	Chakwal	3	0.875	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	2	0.2	0	0.0
<b>G.TOT 2022</b>		<b>16</b>	<b>13.08</b>	<b>1</b>	<b>6.3</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
MILLET CROP FOR 4TH WEEK OF NOVEMBER, 2022**

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	8	10	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	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	Jhelum	0	0	0	0.0
35	Chakwal	2	0.25	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2022</b>		<b>10</b>	<b>10.25</b>	<b>0</b>	<b>0.0</b>

### FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	23.8	6.7
Pakpattan	25.7	8.8
Okara	25.6	8.7
Jhang	24.3	8.3
Toba Tek Singh	25.0	9.3
Chiniot	24.6	8.2
Multan	25.3	10.8
Khanewal	26.0	9.0
Vehari	25.9	8.7
Lodhran	25.4	10.1
<b>AVG</b>	<b>25.2</b>	<b>8.7</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 favor for the 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