




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

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 3<sup>RD</sup>**  
**WEEK OF NOVEMBER, 2022.**

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 28 districts, infestation is reported on Sorghum Crop from 04 district and infestation is not reported on Millet Crop.

  
Deputy Director of Agri. (QCP) Hqr  
For DIRECTOR GENERAL

No. 13144-50 /DGA (PW&QCP)  
Copy forwarded for information to;

Dated: 23-11-2022

- 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 3<sup>RD</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	6.80	0.00	9.44	0.00	1.75	-
2	Fall Armyworm	31.25	-	33.52	-	34.43	-	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	0.00	0.86	1.62	10.27	0.00	13.89	Decreasing
2	Fall Armyworm	11.21	-	13.51	-	5.56	-	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 3<sup>RD</sup> 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	Gujrat	1	1	1	100.0
2	TTSingh	3	3	3	100.0
3	Khushab	2	2	2	100.0
4	Bhakkar	13	11.175	12	92.3
5	Sargodha	13	15	10	76.9
6	Bahawalpur	23	132	16	69.6
7	R.Y.Khan	3	3	2	66.7
8	Jhang	21	59	12	57.1
9	Sheikhupura	8	23	4	50.0
10	Attock	9	6.6	4	44.4
11	Lodhran	25	123	9	36.0
12	Khanewal	23	88	8	34.8
13	Layyah	6	19	2	33.3
14	Lahore	18	69	6	33.3
15	Pakpattan	29	45	9	31.0
16	Sahiwal	34	134	10	29.4



17	Chiniot	17	26	5	29.4
18	Kasur	25	76	7	28.0
19	Mianwali	11	16	3	27.3
20	Gujranwala	8	34	2	25.0
21	Multan	61	404	14	23.0
22	M.Garh	35	52	8	22.9
23	Bahawalnagar	15	29	3	20.0
24	Okara	22	112	4	18.2
25	D.G.Khan	65	84	9	13.8
26	Vehari	15	40	2	13.3
27	Rajanpur	16	16	2	12.5
28	Chakwal	13	15.25	1	7.7
29	Nankana Sahib	0	0	0	0.0
30	Ferozwala	0	0	0	0.0
31	Hafizabad	0	0	0	0.0
32	Sialkot	0	0	0	0.0
33	Narowal	0	0	0	0.0
34	M.B. Din	0	0	0	0.0
35	Faisalabad	0	0	0	0.0
36	Jhelum	5	6.5	0	0.0
37	Rawalpindi	5	2.1	0	0.0
<b>G.TOT 2022</b>		<b>544</b>	<b>1646.63</b>	<b>170</b>	<b>31.3</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 3RD 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	Lahore	8	16	2	25.0
2	Okara	10	23	2	20.0
3	Pakpattan	29	32	5	17.2
4	Sahiwal	32	38	4	12.5
5	Multan	0	0	0	0.0
6	Khanewal	0	0	0	0.0
7	Vehari	0	0	0	0.0
8	Lodhran	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	Kasur	23	42	0	0.0
21	Sheikhupura	5	6	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	Jehlum	0	0	0	0.0
35	Chakwal	7	7.75	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	2	0.3	0	0.0
<b>G.TOT 2022</b>		<b>116</b>	<b>165.05</b>	<b>13</b>	<b>11.2</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
MILLET CROP FOR 3RD 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	Jehlum	0	0	0	0.0
35	Chakwal	6	4.5	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2022</b>		<b>14</b>	<b>14.5</b>	<b>0</b>	<b>0.0</b>

### FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	27.1	8.8
Pakpattan	27.0	8.6
Okara	26.8	8.1
Jhang	26.1	9.3
Toba Tek Singh	26.0	9.1
Chiniot	25.6	8.4
Multan	26.5	10.6
Khanewal	27.0	10.2
Vehari	27.2	10.4
Lodhran	26.7	11.1
<b>AVG</b>	<b>26.6</b>	<b>9.4</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