




**DIRECTORATE GENERAL**  
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قلمت اعلیٰ  
(پست وارننگ اور کوالٹی کنٹرول)  
آف پستی سائینسز (پنجاب لاہور)

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 1<sup>ST</sup> WEEK OF DECEMBER, 2022.**

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 1<sup>ST</sup> Week of December in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 17 districts, infestation is not reported on Sorghum Crop and Millet Crop.

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

No. 13673-79 /DGA (PW&QCP)  
**Copy forwarded for information to;**

Dated: 08-12-2022

- 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 1<sup>ST</sup> WEEK OF DECEMBER, 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	0.60	4.79	0.00	8.17	0.00	2.22	Increasing
2	Fall Armyworm	26.05	-	28.92	-	27.41	-	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	7.69	6.25	0.00	0.00	0.00	Decreasing
2	Fall Armyworm	0.00	-	6.25	-	0.00	-	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 1 <sup>ST</sup> WEEK OF DECEMBER, 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	Bahawalpur	23	141	16	69.6
3	Sheikhupura	8	31	5	62.5
4	Layyah	5	9	3	60.0
5	Gujranwala	2	8	1	50.0
6	Lahore	3	6	1	33.3
7	Attock	3	3.5	1	33.3
8	Okara	16	97	5	31.3
9	Multan	34	246	10	29.4
10	Kasur	15	30	4	26.7
11	Lodhran	20	72	5	25.0
12	M.Garh	37	68	9	24.3
13	Pakpattan	26	44	6	23.1
14	Sahiwal	25	91	5	20.0
15	Jhang	5	10	1	20.0
16	D.G.Khan	40	48	6	15.0

17	Khanewal	14	50	1	7.1
18	Vehari	9	22	0	0.0
19	Bahawalnagar	15	41	0	0.0
20	Rajanpur	16	16	0	0.0
21	Nankana Sahib	0	0	0	0.0
22	Ferozwala	0	0	0	0.0
23	Hafizabad	0	0	0	0.0
24	Sialkot	0	0	0	0.0
25	Narowal	0	0	0	0.0
26	M.B. Din	0	0	0	0.0
27	Gujrat	2	10.5	0	0.0
28	Faisalabad	0	0	0	0.0
29	Chiniot	0	0	0	0.0
30	TTSingh	0	0	0	0.0
31	Sargodha	0	0	0	0.0
32	Khushab	0	0	0	0.0
33	Bhakkar	0	0	0	0.0
34	Mianwali	0	0	0	0.0
35	Jhelum	2	3	0	0.0
36	Chakwal	2	0.375	0	0.0
37	Rawalpindi	4	1.6	0	0.0
<b>G.TOT 2022</b>		<b>334</b>	<b>1068.98</b>	<b>87</b>	<b>26.0</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 1ST WEEK OF DECEMBER, 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	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	4	8	0	0.0
21	Sheikhupura	8	10	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	0	0	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	1	0.1	0	0.0
<b>G.TOT 2022</b>		<b>13</b>	<b>18.10</b>	<b>0</b>	<b>0.0</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
MILLET CROP FOR 1ST WEEK OF DECEMBER, 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	0	0	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2022</b>		<b>8</b>	<b>10</b>	<b>0</b>	<b>0.0</b>

### FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	25.1	10.8
Pakpattan	25.3	9.7
Okara	25.0	9.4
Jhang	24.3	7.6
Toba Tek Singh	24.1	9.0
Chiniot	24.3	8.8
Multan	24.7	11.1
Khanewal	25.1	9.6
Vehari	24.8	9.2
Lodhran	24.4	10.4
<b>AVG</b>	<b>24.7</b>	<b>9.6</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