



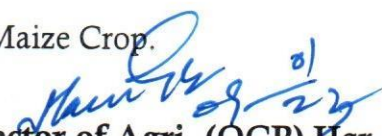
DIRECTORATE GENERAL
(PEST WARNING & QUALITY CONTROL OF PESTICIDES)
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نظامت اعلیٰ
(پیسٹ وارننگ اینڈ کوالٹی کنٹرول
آف پیسٹ سائیزرز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 1ST**
WEEK OF JANUARY, 2023.

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

At present the pest infestation is not reported on Maize Crop.


Deputy Director of Agri. (QCP) Hqr
For Director General

No. 194-200 /DGA(PW&QCP) Dated: 09-01-2023 .
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.
- 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 1ST WEEK OF JANUARY, 2023

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	0.00	0.00	4.12	0.00	0.00	-
2	Fall Armyworm	0.00	-	13.53	-	13.64	-	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	0.00	0.00	0.00	0.00	0.00	-
2	Fall Armyworm	0.00	-	0.00	-	0.00	-	-

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 ST WEEK OF JANUARY, 2023						
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	8	47	0	0.0	
2	Khanewal	8	21	0	0.0	
3	Vehari	15	15	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	Lahore	0	0	0	0.0	
16	Sheikhupura	0	0	0	0.0	

17	Nankana Sahib	0	0	0	0.0
18	Ferozwala	0	0	0	0.0
19	Kasur	0	0	0	0.0
20	Gujranwala	0	0	0	0.0
21	Hafizabad	0	0	0	0.0
22	Sialkot	0	0	0	0.0
23	Narowal	0	0	0	0.0
24	M.B. Din	0	0	0	0.0
25	Gujrat	0	0	0	0.0
26	Faisalabad	0	0	0	0.0
27	Chiniot	0	0	0	0.0
28	TTSingh	0	0	0	0.0
29	Jhang	0	0	0	0.0
30	Sargodha	0	0	0	0.0
31	Khushab	0	0	0	0.0
32	Bhakkar	0	0	0	0.0
33	Mianwali	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	0	0	0	0.0
G.TOT 2022		31	83.00	0	0.0

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
SORGHUM CROP FOR 1ST WEEK OF JANUARY, 2023**

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	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
G.TOT 2022		0	0.00	0	0

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
MILLET CROP FOR 1ST WEEK OF JANUARY, 2023**

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
G.TOT 2022		8	10	0	0.0

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	18.8	5.8
Pakpattan	18.6	5.5
Okara	18.2	5.1
Jhang	20.3	6.0
Toba Tek Singh	18.7	5.3
Chiniot	14.3	5.6
Multan	19.4	5.0
Khanewal	19.1	4.8
Vehari	19.0	4.6
Lodhran	18.9	5.1
AVG	18.5	5.3

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