



**DIRECTORATE GENERAL**  
**(PEST WARNING & QUALITY CONTROL OF PESTICIDES)**  
**AGRICULTURE HOUSE, 21 - DAVIS ROAD, LAHORE.**  
Phone: 042 - 99204371, Fax: 99204373, Email: pestwarning@yahoo.com

قلمت الف  
بیت وارنگ اینڈ کوآپ کنٹرول  
آف کیمکی سائینز (پنجاب لاہور)

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 1<sup>ST</sup> WEEK OF MAY, 2023.**

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 May in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 26 districts, infestation is reported on Sorghum Crop from 02 district, which is expected to increase in coming period.

*Haqir 9/5*  
Assistant Director of Agri. (PP) Hqr  
For Director General

No. *3768-74* /DGA (PW&QCP)  
Copy forwarded for information to;

Dated: *10-05-2023*

- 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 MAY, 2023

Pest Situation of Maize Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2023		Previous week 2023		Corresponding week 2022		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.20	9.10	0.22	11.17	0.30	7.53	Decreasing
2	Fall Armyworm	11.73	-	14.02	-	18.20	-	Decreasing

Pest Situation of Sorghum Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2023		Previous week 2023		Corresponding week 2022		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.82	15.30	0.00	9.41	0.00	0.00	Increasing
2	Fall Armyworm	1.09	-	0.35	-	0.00	-	Increasing

Pest Situation of Millet Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2023		Previous week 2023		Corresponding week 2022		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 MAY, 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	Bahawalpur	25	207	12	48.0	
2	R.Y.Khan	16	49	7	43.8	
3	Khanewal	55	163	18	32.7	
4	Layyah	17	43	5	29.4	
5	D.G.Khan	12	21	3	25.0	
6	Sargodha	45	174.25	10	22.2	
7	Mianwali	9	17.5	2	22.2	
8	Nankana Sahib	10	32.25	2	20.0	
9	Hafizabad	5	22.5	1	20.0	
10	M.B. Din	5	13	1	20.0	
11	Bhakkar	5	5	1	20.0	
12	M.Garh	43	127	8	18.6	
13	Multan	50	443	8	16.0	
14	Gujranwala	14	59	2	14.3	

15	Sialkot	28	427.6	4	14.3
16	Kasur	36	153	5	13.9
17	Jhang	34	150	4	11.8
18	Lodhran	75	928	8	10.7
19	Lahore	10	90	1	10.0
20	Sheikhupura	41	127	4	9.8
21	Gujrat	11	25	1	9.1
22	Vehari	47	243	3	6.4
23	Pakpattan	32	130	2	6.3
24	Okara	33	245	1	3.0
25	Chiniot	73	525	2	2.7
26	Sahiwal	44	266	1	2.3
27	Bahawalnagar	16	109	0	0.0
28	Rajanpur	18	27	0	0.0
29	Ferozwala	0	0	0	0.0
30	Wazirabad	0	0	0	0.0
31	Narowal	10	21	0	0.0
32	Faisalabad	89	279.7	0	0.0
33	TTSingh	22	72	0	0.0
34	Khushab	0	0	0	0.0
35	Jehlum	14	77.75	0	0.0
36	Chakwal	19	8.25	0	0.0
37	Rawalpindi	22	15.6	0	0.0
38	Attock	4	3	0	0.0
<b>G.TOT 2023</b>		<b>989</b>	<b>5299</b>	<b>116</b>	<b>11.7</b>

<b>DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 1ST WEEK OF MAY, 2023</b>					
<b>Sr. #</b>	<b>District</b>	<b>No. of Spots Visited</b>	<b>Area Surveyed (Acres)</b>	<b>No. of Hot Spots of Fall Armyworm</b>	<b>% age of Hot Spots of Fall Armyworm</b>
1	Khushab	4	11	2	50.0
2	Lodhran	22	24	2	9.1
3	Multan	30	42	0	0.0
4	Khanewal	58	90	0	0.0
5	Vehari	15	15	0	0.0
6	Sahiwal	41	56	0	0.0
7	Pakpattan	20	25	0	0.0
8	Okara	19	33	0	0.0
9	Bahawalpur	4	7	0	0.0
10	Bahawalnagar	25	32	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	24	32	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	6	15	0	0.0
21	Kasur	8	12	0	0.0
22	Sheikhupura	16	24	0	0.0
23	Ferozwala	0	0	0	0.0
24	Nankana Sahib	2	1	0	0.0
25	Sargodha	6	6	0	0.0
26	Minawali	0	0	0	0.0
27	Bhakkar	0	0	0	0.0
28	Gujranwala	11	14.5	0	0.0
29	Hafizabad	9	12	0	0.0
30	Wazirabad	0	0	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	21	13.5	0	0.0
33	M.B.Din	5	13	0	0.0
34	Gujrat	7	7	0	0.0
35	Jehlum	1	1	0	0.0
36	Chakwal	10	4.375	0	0.0
37	Rawalpindi	2	1	0	0.0
38	Attock	0	0	0	0.0
<b>G.TOT 2023</b>		<b>366</b>	<b>491</b>	<b>4</b>	<b>1.09</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
MILLET CROP FOR 1ST WEEK OF MAY, 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	2	1.5	0	0.0
30	Wazirabad	0	0	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	0	0	0	0.0
33	M.B.Din	0	0	0	0.0
34	Gujrat	0	0	0	0.0
35	Jhelum	0	0	0	0.0
36	Chakwal	5	1.5	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
<b>G.TOT 2023</b>		<b>7</b>	<b>3</b>	<b>0</b>	<b>0.0</b>

#### FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	40.7	23.0
Pakpattan	40.5	22.8
Okara	40.2	22.5
Jhang	40.8	25.6
Toba Tek Singh	39.8	22.4
Chiniot	35.8	19.3
Multan	40.3	24.4
Khanewal	41.4	24.0
Vehari	41.1	23.9
Lodhran	41.3	23.7
<b>AVG</b>	<b>40.2</b>	<b>23.2</b>

Optimum temperature requirement for rapid multiplication of Fall Army Worm is 25-35 °C.

#### 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