



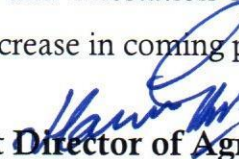
**DIRECTORATE GENERAL**  
**(PEST WARNING & QUALITY CONTROL OF PESTICIDES)**  
**AGRICULTURE HOUSE, 21 – DAVIS ROAD, LAHORE.**  
Phone: 042 – 99204371, Fax: 99204373, Email: pestwarning@yahoo.com

دفتر اعلیٰ  
پست وارننگ اینڈ کوالٹی کنٹرول  
آف پیسٹی مائیگنز (پنجاب) لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 4<sup>TH</sup>**  
**WEEK OF MAY, 2023.**

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

At present the pest infestation is reported on Maize Crop from 23 districts, infestation is reported on Sorghum Crop from 02 district and infestation is reported on Alternate host plant from 01 district which is expected to Decrease in coming period.

  
Assistant Director of Agri. (PP) Hqr  
For Director General

No. 4300-4306 /DGA (PW&QCP)

Dated: 01-06-2023

**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 4<sup>TH</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	0.19	5.35	0.00	8.72	0.68	7.30	Increasing
2	Fall Armyworm	8.45	-	10.45	-	15.17	-	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	0.47	14.37	0.52	11.99	0.67	8.87	Decreasing
2	Fall Armyworm	0.47	-	0.39	-	3.77	-	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	-	-

Pest Situation of FAW on Other Alternate Host Plants					
%age of spots on FAW					
Sr. No.	Crop Name	Current Week 2023		Remarks	
		AETL	BETL		
1	Lucern/Sesame	20.0	-	Reported	

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 4TH 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	Gujrat	5	17	2	40.0	
2	Bhakkar	5	5	2	40.0	
3	Attock	5	2.7	2	40.0	
4	Khushab	3	14	1	33.3	
5	Sargodha	38	115.75	12	31.6	
6	Layyah	11	31	3	27.3	
7	D.G.Khan	15	20	4	26.7	
8	Rawalpindi	30	16.7	8	26.7	

9	Multan	27	231	6	22.2
10	Mianwali	11	13	2	18.2
11	M.Garh	40	147	6	15.0
12	R.Y.Khan	14	36	2	14.3
13	Lodhran	59	1250	7	11.9
14	Khanewal	63	286	7	11.1
15	M.B. Din	9	13	1	11.1
16	Sheikhupura	66	212	7	10.6
17	Chakwal	21	12.375	2	9.5
18	Kasur	44	153	4	9.1
19	Gujranwala	22	144.5	2	9.1
20	Faisalabad	115	356.15	5	4.3
21	Jhang	30	175	1	3.3
22	Chiniot	101	516	3	3.0
23	Pakpattan	42	182	1	2.4
24	Vehari	45	229	0	0.0
25	Sahiwal	37	232	0	0.0
26	Okara	27	168	0	0.0
27	Bahawalpur	21	336	0	0.0
28	Bahawalnagar	16	76	0	0.0
29	Rajanpur	10	14	0	0.0
30	Lahore	13	80	0	0.0
31	Nankana Sahib	9	19.75	0	0.0
32	Ferozwala	0	0	0	0.0
33	Hafizabad	9	75.5	0	0.0
34	Wazirabad	3	13	0	0.0
35	Sialkot	45	627	0	0.0
36	Narowal	16	46.5	0	0.0
37	TTSingh	25	82	0	0.0
38	Jehlum	13	52	0	0.0
<b>G.TOT 2023</b>		<b>1065</b>	<b>6000</b>	<b>90</b>	<b>8.5</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 4TH 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	Layyah	5	7.5	1	20.0
2	Lodhran	36	38	3	8.3
3	Multan	33	38	0	0.0
4	Khanewal	48	89	0	0.0
5	Vehari	75	80	0	0.0
6	Sahiwal	55	75	0	0.0
7	Pakpattan	21	25	0	0.0
8	Okara	20	32	0	0.0

9	Bahawalpur	14	17	0	0.0
10	Bahawalnagar	16	23	0	0.0
11	R.Y.Khan	9	11	0	0.0
12	D.G.Khan	10	13	0	0.0
13	M.Garh	26	30	0	0.0
14	Rajanpur	16	20	0	0.0
15	Faisalabad	31	41.25	0	0.0
16	T.T.Sing	23	23.25	0	0.0
17	Jhang	4	5	0	0.0
18	Chiniot	29	37.5	0	0.0
19	Lahore	7	16	0	0.0
20	Kasur	29	46	0	0.0
21	Sheikhupura	149	241	0	0.0
22	Ferozwala	0	0	0	0.0
23	Nankana Sahib	8	13	0	0.0
24	Sargodha	48	55.25	0	0.0
25	Khushab	27	14.125	0	0.0
26	Minawali	0	0	0	0.0
27	Bhakkar	0	0	0	0.0
28	Gujranwala	14	23.5	0	0.0
29	Hafizabad	23	25	0	0.0
30	Wazirabad	0	0	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	50	48.5	0	0.0
33	M.B.Din	5	13	0	0.0
34	Gujrat	6	5.625	0	0.0
35	Jehlum	0	0	0	0.0
36	Chakwal	11	2.25	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	1	0.3	0	0.0
<b>G.TOT 2023</b>		<b>849</b>	<b>1109</b>	<b>4</b>	<b>0.47</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
MILLET CROP FOR 4TH 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	1	1	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	26	32.75	0	0.0
25	Khushab	25	13	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	3	3	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	Jehlum	1	1	0	0.0
36	Chakwal	10	2.25	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
<b>G.TOT 2023</b>		<b>66</b>	<b>53</b>	<b>0</b>	<b>0.0</b>

### FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	34.7	23.0
Pakpattan	34.5	22.9
Okara	34.3	22.7
Jhang	37.0	24.3
Toba Tek Singh	34.1	23.3
Chiniot	34.4	23.1
Multan	36.3	24.7
Khanewal	35.7	23.8
Vehari	35.5	23.4
Lodhran	37.3	25.3
<b>AVG</b>	<b>35.4</b>	<b>23.6</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