




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

نظامت اعلیٰ  
(پیسٹ وارننگ اینڈ کوالٹی کنٹرول  
آف پیسٹس مائیڈز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 3<sup>RD</sup> WEEK OF NOVEMBER, 2023.**

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 22 districts, infestation is reported on Sorghum Crop from 01 district, infestation is reported on Other Alternate Host Plant from 01 district & infestation is not reported on Millet Crop.

  
Assistant Director Agri. (PP) Hqr  
For Director General

No. 10555-61 /DGA (PW&QCP)

Dated: 23-11-2023

**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 3<sup>RD</sup> WEEK OF NOVEMBER, 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	0.41	3.45	0.00	4.21	0.00	6.80	Increasing
2	Fall Armyworm	18.26	-	20.53	-	31.25	-	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	1.04	19.79	0.00	15.15	0.00	0.86	Increasing
2	Fall Armyworm	8.33	-	5.19	-	11.21	-	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.	Name of Crop	Current Week 2023		Remarks		
		AETL	BETL			
1	Barseem	3.70	-	Reported in Sheikhpura District		

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 3 <sup>RD</sup> WEEK OF NOVEMBER, 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	14	36	6	42.9
2	D.G.Khan	36	37	14	38.9
3	Layyah	9	18	3	33.3
4	Gujranwala	9	11	3	33.3
5	TTSingh	3	10	1	33.3
6	Khanewal	26	80	7	26.9

7	Mianwali	4	4	1	25.0
8	Sheikhupura	37	88	9	24.3
9	Okara	13	45	3	23.1
10	Lahore	9	42	2	22.2
11	M.Garh	42	49	9	21.4
12	Vehari	15	23	3	20.0
13	Pakpattan	21	31	4	19.0
14	Nankana Sahib	21	53.5	4	19.0
15	Gujrat	11	66	2	18.2
16	Sialkot	6	22	1	16.7
17	Kasur	21	55	3	14.3
18	Sahiwal	70	261	8	11.4
19	Jhang	27	113	3	11.1
20	M.B. Din	10	19.5	1	10.0
21	Rajanpur	14	14	1	7.1
22	Faisalabad	34	57.4	2	5.9
23	Lodhran	13	78	0	0.0
24	Bahawalpur	8	10	0	0.0
25	Bahawalnagar	0	0	0	0.0
26	R.Y.Khan	9	12	0	0.0
27	Ferozwala	0	0	0	0.0
28	Hafizabad	0	0	0	0.0
29	Wazirabad	0	0	0	0.0
30	Narowal	5	4	0	0.0
31	Chiniot	0	0	0	0.0
32	Sargodha	0	0	0	0.0
33	Khushab	0	0	0	0.0
34	Bhakkar	0	0	0	0.0
35	Jehlum	6	11.625	0	0.0
36	Chakwal	0	0	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
<b>G.TOT 2023</b>		<b>493</b>	<b>1251</b>	<b>90</b>	<b>18.3</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
SORGHUM CROP FOR 3RD WEEK OF NOVEMBER, 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	D.G.Khan	25	25	8	32.0
2	Multan	0	0	0	0.0
3	Khanewal	0	0	0	0.0
4	Vehari	0	0	0	0.0
5	Lodhran	0	0	0	0.0
6	Sahiwal	10	14	0	0.0

7	Pakpattan	16	16	0	0.0
8	Okara	11	13	0	0.0
9	Bahawalpur	8	10	0	0.0
10	Bahawalnagar	0	0	0	0.0
11	R.Y.Khan	9	12	0	0.0
12	M.Garh	0	0	0	0.0
13	Rajanpur	12	12	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	2	2	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	3	3.5	0	0.0
29	Hafizabad	0	0	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	0	0	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
<b>G.TOT 2023</b>		<b>96</b>	<b>108</b>	<b>8</b>	<b>8.33</b>

<b>DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MILLET CROP FOR 3RD WEEK OF NOVEMBER, 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	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	52	111	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	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	0	0	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
<b>G.TOT 2023</b>		<b>53</b>	<b>112</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	11.6
Pakpattan	27.1	11.4
Okara	27.1	11.1
Jhang	26.8	10.8
Toba Tek Singh	26.5	10.6
Chiniot	25.8	10.7
Multan	27.6	12.6
Khanewal	27.8	10.8
Vehari	27.4	10.2
Lodhran	27.1	12.4
<b>AVG</b>	<b>27.0</b>	<b>11.2</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