



**DIRECTORATE GENERAL**  
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نظامت اعلیٰ  
(پست وارننگ اینڈ کوالٹی کنٹرول)  
آف پستی مانیٹرز، پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 2<sup>ND</sup>**  
**WEEK OF JULY, 2023.**

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 2<sup>ND</sup> week of July in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 19 districts, infestation is reported on Sorghum Crop from 09 district, which is expected to increase in coming period.

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

No. **6159-65** /DGA (PW&QCP)

Dated: **18-07-2023**

**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 2<sup>ND</sup> WEEK OF JULY, 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	0.00	7.90	0.20	13.93	0.00	7.97	Decreasing
2	Fall Armyworm	17.05	-	15.78	-	24.48	-	Increasing

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	0.00	15.50	0.42	15.69	2.83	7.06	Decreasing
2	Fall Armyworm	3.12	-	1.94	-	3.30	-	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	-	1.00	-	-

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 2ND WEEK OF JULY, 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	Khushab	2	3	2	100.0	
2	Bhakkar	3	1.5	3	100.0	
3	Lahore	9	44	5	55.6	
4	Narowal	2	2	1	50.0	
5	Sargodha	12	40	6	50.0	
6	Rawalpindi	18	12.3	9	50.0	
7	D.G.Khan	23	24	11	47.8	
8	Attock	7	6.9	3	42.9	
9	Layyah	9	23	3	33.3	
10	Faisalabad	27	26.95	8	29.6	
11	Chakwal	20	14.25	5	25.0	
12	Mianwali	5	7	1	20.0	
13	Chiniot	52	99	9	17.3	



14	M.Garh	32	88	5	15.6
15	Kasur	34	100	4	11.8
16	Sheikhupura	38	100	4	10.5
17	Khanewal	10	31	1	10.0
18	Nankana Sahib	15	30.5	1	6.7
19	Jhang	20	69	1	5.0
20	Multan	4	12	0	0.0
21	Vehari	15	49	0	0.0
22	Lodhran	12	73	0	0.0
23	Sahiwal	37	68	0	0.0
24	Pakpattan	21	49	0	0.0
25	Okara	10	26	0	0.0
26	Bahawalpur	0	0	0	0.0
27	Bahawalnagar	0	0	0	0.0
28	R.Y.Khan	0	0	0	0.0
29	Rajanpur	8	10	0	0.0
30	Ferozwala	0	0	0	0.0
31	Gujranwala	10	21.25	0	0.0
32	Hafizabad	2	4	0	0.0
33	Wazirabad	0	0	0	0.0
34	Sialkot	7	24.1	0	0.0
35	M.B. Din	2	1	0	0.0
36	Gujrat	1	1	0	0.0
37	TTSingh	0	0	0	0.0
38	Jehlum	14	37.5	0	0.0
<b>G.TOT 2023</b>		<b>481</b>	<b>1098</b>	<b>82</b>	<b>17.0</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 2ND WEEK OF JULY, 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	Lodhran	20	21	4	20.0
2	D.G.Khan	10	11	2	20.0
3	Lahore	11	34	2	18.2
4	Khushab	13	14	2	15.4
5	Faisalabad	79	91.55	10	12.7
6	Jhang	35	114	3	8.6
7	Narowal	24	28	2	8.3
8	Chiniot	43	67.5	3	7.0
9	T.T.Sing	30	36	1	3.3
10	Multan	20	28	0	0.0
11	Khanewal	53	107	0	0.0
12	Vehari	15	16	0	0.0
13	Sahiwal	10	11	0	0.0

14	Pakpattan	12	16	0	0.0
15	Okara	9	10	0	0.0
16	Bahawalpur	22	26	0	0.0
17	Bahawalnagar	20	25	0	0.0
18	R.Y.Khan	8	8	0	0.0
19	M.Garh	39	40	0	0.0
20	Rajanpur	16	20	0	0.0
21	Layyah	8	9	0	0.0
22	Kasur	35	66	0	0.0
23	Sheikhupura	122	180	0	0.0
24	Ferozwala	0	0	0	0.0
25	Nankana Sahib	52	94.75	0	0.0
26	Sargodha	76	123	0	0.0
27	Minawali	42	51	0	0.0
28	Bhakkar	0	0	0	0.0
29	Gujranwala	59	97.5	0	0.0
30	Hafizabad	21	32.5	0	0.0
31	Wazirabad	0	0	0	0.0
32	Sialkot	0	0	0	0.0
33	M.B.Din	0	0	0	0.0
34	Gujrat	0	0	0	0.0
35	Jehlum	0	0	0	0.0
36	Chakwal	23	18.25	0	0.0
37	Rawalpindi	2	1	0	0.0
38	Attock	0	0	0	0.0
<b>G.TOT 2023</b>		<b>929</b>	<b>1397</b>	<b>29</b>	<b>3.12</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
MILLET CROP FOR 2ND WEEK OF JULY, 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	4	3.5	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	1	2	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	3	3	0	0.0
24	Sargodha	2	4	0	0.0
25	Khushab	5	6.5	0	0.0
26	Minawali	50	68	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	2	6	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	14	7.375	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
<b>G.TOT 2023</b>		<b>82</b>	<b>101</b>	<b>0</b>	<b>0.0</b>

#### FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	38.8	29.7
Pakpattan	38.5	29.4
Okara	38.2	29.1
Jhang	39.7	30.4
Toba Tek Singh	39.4	30.0
Chiniot	38.6	29.1
Multan	40.6	31.7
Khanewal	40.1	31.5
Vehari	40.0	31.2
Lodhran	39.4	32.1
<b>AVG</b>	<b>39.3</b>	<b>30.4</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