



**DIRECTORATE GENERAL**  
**(PEST WARNING & QUALITY CONTROL OF PESTICIDES)**  
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نظامت اعلیٰ  
(پست وارنگ ایگزیکوٹو کنٹرول  
آف فٹل سائیز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 3<sup>RD</sup>**  
**WEEK OF JULY, 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 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 07 district, which is expected to increase in coming period.

  
**Assistant Director of Agri. (PP) Hqr**  
**For DIRECTOR GENERAL**

No. 6395-6401 /DGA (PW&QCP)

Dated: 26-07-2023

**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 3<sup>RD</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	0.19	9.98	0.00	7.90	0.00	8.44	Increasing
2	Fall Armyworm	18.46	-	17.05	-	27.49	-	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	0.57	15.94	0.00	15.50	0.34	8.45	Increasing
2	Fall Armyworm	2.64	-	3.12	-	2.93	-	Decreasing

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	-	4.17	-	-

### DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 3RD 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	Rawalpindi	24	12.7	19	79.2
2	Sargodha	24	102.5	11	45.8
3	Attock	10	8.1	4	40.0
4	Faisalabad	48	70.75	18	37.5
5	D.G.Khan	30	34	10	33.3
6	Lahore	9	63	2	22.2
7	Layyah	5	11	1	20.0
8	Gujranwala	10	29.25	2	20.0
9	Mianwali	6	9	1	16.7
10	Chakwal	30	24.125	5	16.7
11	Chiniot	56	152	9	16.1
12	M.Garh	40	138	6	15.0
13	Vehari	15	37	2	13.3
14	Lodhran	11	58	1	9.1

15	Sheikhupura	22	109	2	9.1
16	Kasur	26	77	2	7.7
17	Nankana Sahib	14	51	1	7.1
18	Khanewal	17	74	1	5.9
19	Jhang	21	71	1	4.8
20	Multan	9	29	0	0.0
21	Sahiwal	32	67	0	0.0
22	Pakpattan	22	51	0	0.0
23	Okara	13	30	0	0.0
24	Bahawalpur	0	0	0	0.0
25	Bahawalnagar	0	0	0	0.0
26	R.Y.Khan	0	0	0	0.0
27	Rajanpur	8	10	0	0.0
28	Ferozwala	0	0	0	0.0
29	Hafizabad	0	0	0	0.0
30	Wazirabad	0	0	0	0.0
31	Sialkot	7	71.1	0	0.0
32	Narowal	3	8	0	0.0
33	M.B. Din	0	0	0	0.0
34	Gujrat	0	0	0	0.0
35	TTSingh	7	16	0	0.0
36	Khushab	1	1	0	0.0
37	Bhakkar	0	0	0	0.0
38	Jehlum	11	28.5	0	0.0
<b>G.TOT 2023</b>		<b>531</b>	<b>1443</b>	<b>98</b>	<b>18.5</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
SORGHUM CROP FOR 3RD 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	9	13.5	2	22.2
2	Lodhran	19	19	4	21.1
3	D.G.Khan	20	21	4	20.0
4	Layyah	6	9	1	16.7
5	Narowal	16	12	2	12.5
6	Chiniot	48	62	4	8.3
7	Faisalabad	79	106.7	6	7.6
8	Multan	20	22	0	0.0
9	Khanewal	59	114	0	0.0
10	Vehari	15	17	0	0.0
11	Sahiwal	25	34	0	0.0
12	Pakpattan	12	17	0	0.0
13	Okara	11	15	0	0.0
14	Bahawalpur	30	38	0	0.0

15	Bahawalnagar	17	20	0	0.0
16	R.Y.Khan	8	8	0	0.0
17	M.Garh	38	40	0	0.0
18	Rajanpur	19	24	0	0.0
19	T.T.Sing	21	24	0	0.0
20	Jhang	0	0	0	0.0
21	Lahore	5	14	0	0.0
22	Kasur	28	53	0	0.0
23	Sheikhupura	132	211	0	0.0
24	Ferozwala	0	0	0	0.0
25	Nankana Sahib	60	97.5	0	0.0
26	Sargodha	28	52.5	0	0.0
27	Minawali	29	37	0	0.0
28	Bhakkar	0	0	0	0.0
29	Gujranwala	34	73.75	0	0.0
30	Hafizabad	32	75	0	0.0
31	Wazirabad	0	0	0	0.0
32	Sialkot	0	0	0	0.0
33	M.B.Din	4	5	0	0.0
34	Gujrat	1	1	0	0.0
35	Jehlum	0	0	0	0.0
36	Chakwal	41	20.625	0	0.0
37	Rawalpindi	3	3.5	0	0.0
38	Attock	3	0.4	0	0.0
<b>G.TOT 2023</b>		<b>872</b>	<b>1260</b>	<b>23</b>	<b>2.64</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
MILLET CROP FOR 3RD 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	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	1	2	0	0.0
16	T.T.Sing	0	0	0	0.0
17	Jhang	0	0	0	0.0

18	Chiniot	5	10	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	2	2	0	0.0
25	Khushab	6	5.75	0	0.0
26	Minawali	47	62	0	0.0
27	Bhakkar	0	0	0	0.0
28	Gujranwala	0	0	0	0.0
29	Hafizabad	1	2	0	0.0
30	Wazirabad	0	0	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	1	2	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	26	11.75	0	0.0
37	Rawalpindi	1	0.2	0	0.0
38	Attock	0	0	0	0.0
<b>G.TOT 2023</b>		<b>90</b>	<b>98</b>	<b>0</b>	<b>0.0</b>

#### FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	35.8	28.6
Pakpattan	35.5	28.4
Okara	35.3	28.2
Jhang	36.1	28.8
Toba Tek Singh	36.0	28.5
Chiniot	35.7	27.6
Multan	36.6	29.4
Khanewal	36.3	28.8
Vehari	36.1	28.4
Lodhran	36.4	29.0
<b>AVG</b>	<b>35.9</b>	<b>28.6</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