



**DIRECTORATE GENERAL**  
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نظامت اعلیٰ  
(پست وارنگ ایڑ کوئی کنٹرول)  
آف آئی سی ماہیگز (پنجاب لاہور)

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 2<sup>ND</sup>**  
**WEEK OF JULY, 2022.**

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 June 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 09 district and infestation is reported on Millet Crop from 01 district which is expected to increase in coming period.

*Haw* 19/7/22  
Assistant Director of Agri. (PP) Hqr  
For DIRECTOR GENERAL

No. **9127-33** /DGA (PW&QCP)

Dated: **19-07-2022**

**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, 2022

Pest Situation of Maize Pests								
		%age of spots						
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	7.97	0.39	6.05	0.00	7.40	Decreasing
-	Fall Armyworm	24.48	-	21.09	-	1.08	-	Increasing

Pest Situation of Sorghum Pests								
		%age of spots						
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	2.83	7.06	0.78	10.20	-	-	Increasing
2	Fall Armyworm	3.30	-	4.71	-	-	-	Decreasing

Pest Situation of Millet Pests								
		%age of spots						
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	0.00	0.00	0.00	-	-	-
2	Fall Armyworm	1.00	-	2.33	-	-	-	Decreasing

## DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 2ND WEEK OF JULY, 2022

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Lahore	33	194	14	42.4
2	Faisalabad	58	141.35	12	20.7
3	Sargodha	28	49	12	42.9
4	Pakpattan	25	90	7	28.0
5	Okara	26	119	7	26.9
6	Kasur	38	128	7	18.4
7	Chiniot	19	55	7	36.8
8	Khanewal	8	17	6	75.0
9	Sahiwal	13	22	6	46.2
10	Multan	13	26	5	38.5
11	Sheikhupura	14	55	5	35.7
12	Chakwal	23	18.75	5	21.7
13	Rawalpindi	26	23.4	5	19.2



14	Jhang	17	59	4	23.5
15	Vehari	15	23	3	20.0
16	Lodhran	5	26	3	60.0
17	Nankana Sahib	7	7	3	42.9
18	M.B. Din	23	48	3	13.0
19	TTSingh	6	10.5	3	50.0
20	Bhakkar	6	6.55	3	50.0
21	D.G.Khan	35	46	2	5.7
22	Gujranwala	7	17	2	28.6
23	Narowal	4	8	2	50.0
24	Hafizabad	1	9	1	100.0
25	Gujrat	7	5.89	1	14.3
26	Jhelum	14	69	1	7.1
27	Bahawalpur	0	0	0	0.0
28	Bahawalnagar	0	0	0	0.0
29	R.Y.Khan	0	0	0	0.0
30	M.Garh	29	38	0	0.0
31	Rajanpur	12	14	0	0.0
32	Layyah	0	0	0	0.0
33	Ferozwala	0	0	0	0.0
34	Sialkot	2	11	0	0.0
35	Khushab	5	1.25	0	0.0
36	Mianwali	6	9	0	0.0
37	Attock	2	1.2	0	0.0
<b>G.TOT 2022</b>		<b>527</b>	<b>1348</b>	<b>129</b>	<b>24.5</b>

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 2ND WEEK OF JULY, 2022**

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Chiniot	59	135	5	8.5
2	Lahore	23	66	3	13.0
3	M.B.Din	20	44	3	15.0
4	Faisalabad	83	129.45	2	2.4
5	T.T.Sing	22	23	2	9.1
6	Narowal	47	60	2	4.3
7	Chakwal	16	15.125	2	12.5
8	Kasur	27	61	1	3.7
9	Nankana Sahib	46	66	1	2.2
10	Multan	0	0	0	0.0
11	Khanewal	0	0	0	0.0
12	Vehari	0	0	0	0.0
13	Lodhran	0	0	0	0.0

14	Sahiwal	0	0	0	0.0
15	Pakpattan	0	0	0	0.0
16	Okara	0	0	0	0.0
17	Bahawalpur	0	0	0	0.0
18	Bahawalnagar	0	0	0	0.0
19	R.Y.Khan	0	0	0	0.0
20	D.G.Khan	0	0	0	0.0
21	M.Garh	0	0	0	0.0
22	Rajanpur	0	0	0	0.0
23	Layyah	0	0	0	0.0
24	Jhang	40	110	0	0.0
25	Sheikhupura	39	73	0	0.0
26	Ferozwala	0	0	0	0.0
27	Sargodha	84	155.5	0	0.0
28	Khushab	4	2	0	0.0
29	Minawali	0	0	0	0.0
30	Bhakkar	20	12.05	0	0.0
31	Gujranwala	35	77.5	0	0.0
32	Hafizabad	15	39.5	0	0.0
33	Sialkot	33	54	0	0.0
34	Gujrat	16	32.39	0	0.0
35	Jhelum	8	11	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2022</b>		<b>637</b>	<b>1167</b>	<b>21</b>	<b>3.3</b>

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
MILLET CROP FOR 2ND WEEK OF JULY, 2022**

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Chakwal	11	5	1	9.1
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	0	0	0	0.0
7	Pakpattan	0	0	0	0.0
8	Okara	0	0	0	0.0
9	Bahawalpur	0	0	0	0.0
10	Bahawalnagar	0	0	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	0	0	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	5	9	0	0.0
20	Lahore	0	0	0	0.0
21	Kasur	0	0	0	0.0
22	Sheikhupura	0	0	0	0.0
23	Ferozwala	0	0	0	0.0
24	Nankana Sahib	0	0	0	0.0
25	Sargodha	32	117.5	0	0.0
26	Khushab	4	1.5	0	0.0
27	Minawali	0	0	0	0.0
28	Bhakkar	27	28.1	0	0.0
29	Gujranwala	0	0	0	0.0
30	Hafizabad	5	9.5	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	10	33	0	0.0
33	M.B.Din	0	0	0	0.0
34	Gujrat	1	1	0	0.0
35	Jehlum	5	7.25	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2021</b>		<b>100</b>	<b>211.9</b>	<b>1</b>	<b>1.0</b>

### FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	35.1	28.6
Pakpattan	35.0	28.4
Okara	11.4	5.1
Jhang	36.0	29.4
Toba Tek Singh	35.8	29.2
Chiniot	34.8	28.4
Multan	35.7	29.1
Khanewal	36.0	29.3
Vehari	35.9	29.0
Lodhran	36.5	28.5
<b>AVG</b>	<b>33.2</b>	<b>26.5</b>

Optimum temperature requirement for rapid multiplication of Fall Army Worm is 25-35 °C and it is predicted that the average temperature for the next week may favor for the development of Fall Army Worm.

### **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