



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

قلمت افلى  
(پست وارنگ ايڱريڪول اٽوڪنٽرول  
آف آيسى ماينيز) پنجاب لاهور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 1<sup>ST</sup> WEEK OF SEPTEMBER, 2022.**

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 1<sup>ST</sup> week of September in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 29 districts, infestation is reported on Sorghum Crop from 17 district and infestation is reported on Millet Crop from 03 district whereas FAW infestation is also reported on some other alternate host plants (Lucerne and Jantar) which is expected to decrease in coming period.

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

No. 10911-17 /DGA (PW&QCP)  
**Copy forwarded for information to;**

Dated: 28-09-2022

- 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 1<sup>ST</sup> WEEK OF SEPTEMBER, 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	1.21	9.72	0.59	9.08	0.58	11.23	Increasing
2	Fall Armyworm	46.83	-	47.88	-	42.71	-	Decreasing

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	1.44	16.31	2.04	17.88	0.34	15.53	Decreasing
2	Fall Armyworm	10.65	-	9.29	-	7.53	-	Increasing

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	0.32	0.00	0.33	0.00	0.00	-
2	Fall Armyworm	3.83	-	6.67	-	1.66	-	Decreasing

Pest Situation of FAW on Other Alternate Host Plants								
%age of spots on FAW								
Sr. No.	Name of Crop	Current Week		Previous week		Remarks		
		AETL	BETL	AETL	BETL			
1	Lucerne, Jantar	7.96	-	4.71	-	Increasing		

## DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 1<sup>ST</sup> WEEK OF SEPTEMBER, 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	Khanewal	18	93	18	100.0
2	Lodhran	15	95	15	100.0
3	Bahawalpur	26	167	24	92.3
4	Rawalpindi	53	37.4	43	81.1
5	Vehari	13	82	10	76.9
6	Layyah	8	17	6	75.0
7	TTSingh	30	79	22	73.3
8	Sargodha	22	73.5	14	63.6

9	Bahawalnagar	12	20	7	58.3
10	Sahiwal	42	175	24	57.1
11	Multan	38	246	20	52.6
12	Nankana Sahib	4	17	2	50.0
13	Pakpattan	51	316	25	49.0
14	Chiniot	28	102	12	42.9
15	Jhang	12	38	5	41.7
16	Faisalabad	106	358.2	42	39.6
17	D.G.Khan	21	25	8	38.1
18	Sheikhupura	12	19	4	33.3
19	Narowal	3	3	1	33.3
20	Bhakkar	3	1.7	1	33.3
21	Okara	52	229	15	28.8
22	Sialkot	15	68	4	26.7
23	Mianwali	12	17	3	25.0
24	Jhelum	4	6	1	25.0
25	M.Garh	31	40	7	22.6
26	Kasur	38	173	8	21.1
27	M.B. Din	10	22	2	20.0
28	Chakwal	16	4.25	3	18.8
29	Lahore	7	29	1	14.3
30	R.Y.Khan	8	8	0	0.0
31	Rajanpur	0	0	0	0.0
32	Ferozwala	0	0	0	0.0
33	Gujranwala	1	2.5	0	0.0
34	Hafizabad	2	6	0	0.0
35	Gujrat	0	0	0	0.0
36	Khushab	3	2	0	0.0
37	Attock	25	24.4	0	0.0
<b>G.TOT 2022</b>		<b>741</b>	<b>2595.95</b>	<b>347</b>	<b>46.8</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 1ST WEEK OF SEPTEMBER, 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	Bahawalpur	8	12	5	62.5
2	Multan	33	53	17	51.5
3	Pakpattan	20	25	7	35.0
4	Okara	21	26	6	28.6
5	T.T.Sing	28	34.5	8	28.6
6	Sargodha	52	79	13	25.0
7	D.G.Khan	51	97	11	21.6
8	Khanewal	86	153	16	18.6
9	Sahiwal	35	49	6	17.1
10	M.Garh	36	56	6	16.7
11	Minawali	20	40	3	15.0
12	M.B.Din	8	15	1	12.5
13	Chakwal	17	7.125	2	11.8
14	Jhang	10	22	1	10.0
15	Nankana Sahib	40	74.5	4	10.0
16	Chiniot	118	249	4	3.4

17	Kasur	37	122	1	2.7
18	Vehari	14	14	0	0.0
19	Lodhran	13	14	0	0.0
20	Bahawalnagar	12	16	0	0.0
21	R.Y.Khan	17	18	0	0.0
22	Rajanpur	28	33	0	0.0
23	Layyah	7	10	0	0.0
24	Faisalabad	60	100.7	0	0.0
25	Lahore	16	46	0	0.0
26	Sheikhupura	57	77	0	0.0
27	Ferozwala	0	0	0	0.0
28	Khushab	8	13	0	0.0
29	Bhakkar	0	0	0	0.0
30	Gujranwala	37	69	0	0.0
31	Hafizabad	21	43	0	0.0
32	Sialkot	74	115.5	0	0.0
33	Narowal	33	27	0	0.0
34	Gujrat	15	30.75	0	0.0
35	Jhelum	7	7	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	3	0.4	0	0.0
<b>G.TOT 2022</b>		<b>1042</b>	<b>1748.475</b>	<b>111</b>	<b>10.7</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MILLET CROP FOR 1ST WEEK OF SEPTEMBER, 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	Layyah	25	61	8	32.0
2	Narowal	12	27.5	2	16.7
3	Sargodha	13	23	2	15.4
4	Multan	0	0	0	0.0
5	Khanewal	0	0	0	0.0
6	Vehari	0	0	0	0.0
7	Lodhran	0	0	0	0.0
8	Sahiwal	0	0	0	0.0
9	Pakpattan	0	0	0	0.0
10	Okara	0	0	0	0.0
11	Bahawalpur	1	15	0	0.0
12	Bahawalnagar	16	24	0	0.0
13	R.Y.Khan	0	0	0	0.0
14	D.G.Khan	0	0	0	0.0
15	M.Garh	10	19	0	0.0
16	Rajanpur	0	0	0	0.0
17	Faisalabad	3	10	0	0.0
18	T.T.Sing	1	2	0	0.0
19	Jhang	0	0	0	0.0
20	Chiniot	12	28	0	0.0
21	Lahore	0	0	0	0.0
22	Kasur	0	0	0	0.0
23	Sheikhupura	0	0	0	0.0
24	Ferozwala	0	0	0	0.0

25	Nankana Sahib	0	0	0	0.0
26	Khushab	40	161.4	0	0.0
27	Minawali	17	44	0	0.0
28	Bhakkar	99	108.3	0	0.0
29	Gujranwala	0	0	0	0.0
30	Hafizabad	11	21.25	0	0.0
31	Sialkot	0	0	0	0.0
32	M.B.Din	0	0	0	0.0
33	Gujrat	2	1.5	0	0.0
34	Jehlum	33	99	0	0.0
35	Chakwal	18	5.125	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2022</b>		<b>313</b>	<b>650.075</b>	<b>12</b>	<b>3.8</b>

### FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	33.1	24.8
Pakpattan	37.6	26.7
Okara	29.3	22.0
Jhang	37.6	27.7
Toba Tek Singh	37.4	27.3
Chiniot	35.1	26.2
Multan	39.8	28.7
Khanewal	39.0	27.6
Vehari	38.7	27.2
Lodhran	40.1	29.1
<b>AVG</b>	<b>36.8</b>	<b>26.7</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