



**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  
(پیست وارننگ اینڈ کوالٹی کنٹرول  
آف پستی مائیگروں) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 2<sup>ND</sup> WEEK OF OCTOBER, 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 September in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 32 districts, infestation is reported on Sorghum Crop from 16 district and infestation is reported on Millet Crop from 03 districts.

  
Deputy Director of Agri. (QCP) Hqr  
For DIRECTOR GENERAL

No. **11937-43** /DGA (PW&QCP)

Dated: **18-10-2022**

**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 OCTOBER, 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	11.51	0.82	10.00	0.23	11.12	Decreasing
2	Fall Armyworm	38.85	-	42.19	-	45.89	-	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	2.95	11.55	1.97	12.92	0.00	12.52	Increasing
2	Fall Armyworm	10.65	-	12.49	-	10.80	-	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	1.33	0.00	0.61	0.00	1.20	-
2	Fall Armyworm	7.33	-	4.85	-	4.79	-	Increasing

### DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 2ND WEEK OF OCTOBER, 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	46	18	100.0
2	Lodhran	15	115	15	100.0
3	R.Y.Khan	8	9	8	100.0
4	Hafizabad	1	2	1	100.0
5	Sargodha	18	23.5	15	83.3
6	Sheikhupura	12	41	9	75.0
7	Rawalpindi	25	27.1	18	72.0
8	TSingh	8	18.5	5	62.5
9	Bahawalpur	35	267	20	57.1
10	Layyah	7	15	4	57.1
11	Nankana Sahib	6	10.5	3	50.0
12	Jhang	19	46	9	47.4
13	Multan	29	268	12	41.4
14	Vehari	15	40	6	40.0
15	Attock	5	2.7	2	40.0
16	Chiniot	37	134	14	37.8
17	Bahawalnagar	22	76	8	36.4

18	M.B. Din	9	17	3	33.3
19	Chakwal	9	5.75	3	33.3
20	Mianwali	13	16	4	30.8
21	Pakpattan	46	184	14	30.4
22	Gujrat	17	32.25	5	29.4
23	Sahiwal	47	229	13	27.7
24	Okara	31	118	8	25.8
25	Kasur	32	138	8	25.0
26	Bhakkar	4	5	1	25.0
27	D.G.Khan	58	73	14	24.1
28	Faisalabad	69	197	16	23.2
29	Lahore	18	98.6	4	22.2
30	M.Garh	35	44	7	20.0
31	Jehlum	6	12	1	16.7
32	Rajanpur	15	15	2	13.3
33	Ferozwala	0	0	0	0.0
34	Gujranwala	4	7.5	0	0.0
35	Sialkot	1	7	0	0.0
36	Narowal	0	0	0	0.0
37	Khushab	1	0.5	0	0.0
<b>G.TOT 2022</b>		<b>695</b>	<b>2340.90</b>	<b>270</b>	<b>38.8</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 2ND WEEK OF OCTOBER, 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	5	6	4	80.0
2	Pakpattan	33	40	9	27.3
3	D.G.Khan	41	54	11	26.8
4	Multan	24	47	6	25.0
5	Jhang	14	29	3	21.4
6	Vehari	15	15	3	20.0
7	Rawalpindi	5	6	1	20.0
8	M.Garh	46	50	9	19.6
9	Okara	28	44	5	17.9
10	Sahiwal	45	69	8	17.8
11	Khanewal	57	105	10	17.5
12	Lodhran	12	12	2	16.7
13	M.B.Din	7	13	1	14.3
14	Nankana Sahib	43	72.5	4	9.3
15	Chiniot	79	140	6	7.6
16	Chakwal	25	18	1	4.0
17	Bahawalnagar	0	0	0	0.0
18	R.Y.Khan	0	0	0	0.0
19	Rajanpur	4	5	0	0.0
20	Layyah	34	53	0	0.0
21	Faisalabad	44	47.3	0	0.0
22	T.T.Sing	10	8	0	0.0
23	Lahore	24	62	0	0.0
24	Kasur	33	66	0	0.0
25	Sheikhupura	41	68	0	0.0

26	Ferozwala	0	0	0	0.0
27	Sargodha	3	6	0	0.0
28	Khushab	1	2	0	0.0
29	Minawali	14	15.4	0	0.0
30	Bhakkar	0	0	0	0.0
31	Gujranwala	14	21.5	0	0.0
32	Hafizabad	6	7.5	0	0.0
33	Sialkot	57	75.5	0	0.0
34	Narowal	6	3	0	0.0
35	Gujrat	2	4	0	0.0
36	Jehlum	6	6	0	0.0
37	Attock	1	0.3	0	0.0
<b>G.TOT 2022</b>		<b>779</b>	<b>1171.00</b>	<b>83</b>	<b>10.7</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MILLET CROP FOR 2ND WEEK OF OCTOBER, 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	Gujranwala	2	1.5	4	200.0
2	Minawali	16	23	5	31.3
3	Layyah	24	58	2	8.3
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	0	0	0	0.0
13	R.Y.Khan	0	0	0	0.0
14	D.G.Khan	0	0	0	0.0
15	M.Garh	0	0	0	0.0
16	Rajanpur	0	0	0	0.0
17	Faisalabad	8	22	0	0.0
18	T.T.Sing	0	0	0	0.0
19	Jhang	0	0	0	0.0
20	Chiniot	3	10	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	Sargodha	0	0	0	0.0
27	Khushab	22	58	0	0.0
28	Bhakkar	17	27.25	0	0.0
29	Hafizabad	14	15	0	0.0
30	Sialkot	0	0	0	0.0
31	Narowal	3	12	0	0.0
32	M.B.Din	0	0	0	0.0
33	Gujrat	11	24.5	0	0.0

34	Jhelum	11	19	0	0.0
35	Chakwal	18	6.125	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2022</b>		<b>150</b>	<b>291.375</b>	<b>11</b>	<b>7.3</b>

### FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	33.8	16.4
Pakpattan	33.6	16.2
Okara	33.1	15.9
Jhang	31.3	16.1
Toba Tek Singh	33.0	15.6
Chiniot	32.3	15.2
Multan	33.7	18.6
Khanewal	34.1	16.4
Vehari	33.5	15.3
Lodhran	34.0	16.0
<b>AVG</b>	<b>33.2</b>	<b>16.2</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