



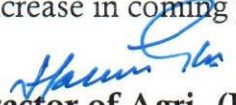
**DIRECTORATE GENERAL**  
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دہلیت اعلیٰ  
(پیسٹ وارننگ اینڈ کوالٹی کنٹرول  
آف آئیٹیمس سائینڈرز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 3<sup>RD</sup> WEEK OF SEPTEMBER, 2022.**

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 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 20 district and infestation is reported on Millet Crop from 04 district whereas FAW infestation is also reported on some other alternate host plants (Lucerne and Jantar) which is expected to Increase in coming period.

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

No. 11386-92 /DGA (PW&QCP)

Dated: 23-09-2022

**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 3<sup>RD</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	0.28	12.03	0.12	11.40	0.24	10.80	Increasing
2	Fall Armyworm	49.37	-	48.18	-	44.54	-	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	2.03	16.13	1.08	15.44	1.43	15.07	Increasing
2	Fall Armyworm	13.68	-	12.02	-	11.0	-	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	0.49	0.00	0.39	0.00	0.97	Decreasing
2	Fall Armyworm	11.17	-	7.84	-	5.80	-	Increasing

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	5.97	-	8.00	-			Decreasing

### DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 3<sup>RD</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	19	68	19	100.0
2	Lodhran	16	227	16	100.0
3	Bahawalpur	46	349	46	100.0
4	Sheikhupura	13	30	11	84.6
5	Rawalpindi	37	21.5	31	83.8
6	R.Y.Khan	6	9	5	83.3
7	TTSingh	19	32	15	78.9
8	Sargodha	12	23	8	66.7
9	Layyah	10	25	6	60.0

10	Vehari	14	51	8	57.1
11	Multan	35	220	19	54.3
12	Pakpattan	49	173	25	51.0
13	Bahawalnagar	12	20	6	50.0
14	Narowal	2	5	1	50.0
15	Jhang	20	50	10	50.0
16	Okara	44	243	20	45.5
17	Sahiwal	49	284	21	42.9
18	Lahore	8	47	3	37.5
19	Chakwal	11	4.5	4	36.4
20	Sialkot	17	45	6	35.3
21	Nankana Sahib	3	7	1	33.3
22	Chiniot	36	115	12	33.3
23	Attock	6	9.3	2	33.3
24	D.G.Khan	29	34	9	31.0
25	Kasur	35	154	10	28.6
26	Gujrat	7	15	2	28.6
27	Faisalabad	83	218.7	22	26.5
28	M.Garh	27	36	7	25.9
29	Mianwali	12	24	3	25.0
30	M.B. Din	10	25	2	20.0
31	Jehlum	6	9.125	1	16.7
32	Rajanpur	16	16	2	12.5
33	Ferozwala	0	0	0	0.0
34	Gujranwala	4	5.5	0	0.0
35	Hafizabad	0	0	0	0.0
36	Khushab	2	2	0	0.0
37	Bhakkar	0	0	0	0.0
<b>G.TOT 2022</b>		<b>715</b>	<b>2597.63</b>	<b>353</b>	<b>49.4</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 3RD 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	R.Y.Khan	18	18	8	44.4
3	Lodhran	12	14	5	41.7
4	Pakpattan	32	34	12	37.5
5	Multan	41	54	14	34.1
6	Sargodha	25	40	8	32.0
7	Khushab	13	12	4	30.8
8	Nankana Sahib	19	41	5	26.3
9	Sahiwal	52	81	13	25.0
10	Okara	44	73	11	25.0
11	Khanewal	68	90	16	23.5
12	Chakwal	9	2.125	2	22.2
13	Rawalpindi	9	17.8	2	22.2
14	Vehari	15	15	3	20.0
15	Hafizabad	5	15	1	20.0
16	D.G.Khan	34	42	6	17.6
17	M.Garh	41	51	4	9.8
18	Minawali	36	52	3	8.3

19	Faisalabad	53	87.1	4	7.5
20	Chiniot	100	192	2	2.0
21	Bahawalnagar	12	16	0	0.0
22	Rajanpur	26	30	0	0.0
23	Layyah	5	9	0	0.0
24	T.T.Sing	13	12	0	0.0
25	Jhang	0	0	0	0.0
26	Lahore	12	35	0	0.0
27	Kasur	32	75	0	0.0
28	Sheikhupura	61	100	0	0.0
29	Ferozwala	0	0	0	0.0
30	Bhakkar	0	0	0	0.0
31	Gujranwala	22	34.5	0	0.0
32	Sialkot	58	87	0	0.0
33	Narowal	33	28.5	0	0.0
34	M.B.Din	8	14	0	0.0
35	Gujrat	9	13.5	0	0.0
36	Jehlum	6	6.75	0	0.0
37	Attock	5	1.8	0	0.0
<b>G.TOT 2022</b>		<b>936</b>	<b>1406.08</b>	<b>128</b>	<b>13.7</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MILLET CROP FOR 3RD 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	31	118	9	29.0
2	Khushab	35	149	10	28.6
3	Minawali	24	41	3	12.5
4	Bhakkar	47	90.75	1	2.1
5	Multan	0	0	0	0.0
6	Khanewal	0	0	0	0.0
7	Vehari	0	0	0	0.0
8	Lodhran	0	0	0	0.0
9	Sahiwal	0	0	0	0.0
10	Pakpattan	0	0	0	0.0
11	Okara	0	0	0	0.0
12	Bahawalpur	1	15	0	0.0
13	Bahawalnagar	16	24	0	0.0
14	R.Y.Khan	0	0	0	0.0
15	D.G.Khan	0	0	0	0.0
16	M.Garh	0	0	0	0.0
17	Rajanpur	0	0	0	0.0
18	Faisalabad	5	11.5	0	0.0
19	T.T.Sing	0	0	0	0.0
20	Jhang		0	0	0.0
21	Chiniot	4	10	0	0.0
22	Lahore	0	0	0	0.0
23	Kasur	0	0	0	0.0
24	Sheikhupura	0	0	0	0.0
25	Ferozwala	0	0	0	0.0
26	Nankana Sahib	0	0	0	0.0
27	Sargodha	1	1	0	0.0

28	Gujranwala	9	11.5	0	0.0
29	Hafizabad	3	3	0	0.0
30	Sialkot	0	0	0	0.0
31	Narowal	9	25	0	0.0
32	M.B.Din	0	0	0	0.0
33	Gujrat	10	33	0	0.0
34	Jehlum	4	3.85	0	0.0
35	Chakwal	7	1	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2022</b>		<b>206</b>	<b>537.6</b>	<b>23</b>	<b>11.2</b>

### FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	36.3	24.0
Pakpattan	36.1	23.8
Okara	30.6	23.5
Jhang	37.7	24.7
Toba Tek Singh	36.1	24.4
Chiniot	35.2	23.8
Multan	38.0	25.6
Khanewal	33.3	24.1
Vehari	35.4	23.7
Lodhran	38.1	26.0
<b>AVG</b>	<b>35.7</b>	<b>24.4</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