



**DIRECTORATE GENERAL**  
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نظامت اعلیٰ  
(پیسٹ وارننگ اینڈ کوالٹی کنٹرول  
آف پیسٹ سائیزرز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 1<sup>ST</sup>**  
**WEEK OF OCTOBER, 2021.**

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 October in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 32 districts whereas the infestation on Sorghum Crop is observed from 17 districts and the infestation on Millet Crop is observed from 5 districts in Punjab which is expected to increase in coming period.

  
**DIRECTOR GENERAL**

No. **11818-24** /DGA(PW&QCP) Dated: **08-10-21**  
**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.
- Director General 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 OCTOBER, 2021

Pest Situation of Maize Pests						
		%age of spots				Remarks
Sr. No.	Pest Name	Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.25	11.66	0.27	7.48	Sustaining
2	Fall Armyworm	41.96	-	29.57	-	Increasing

Pest Situation of Sorghum Pests						
		%age of spots				Remarks
Sr. No.	Pest Name	Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.64	15.92	0.73	13.18	Decreasing
2	Fall Armyworm	11.46	-	9.94	-	Increasing

Pest Situation of FAW on Millet Crop						
		%age of spots				Remarks
Sr. No.	Pest Name	Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	0.50	0.00	0.85	-
2	Fall Armyworm	2.48	-	3.83	-	Decreasing

### DISTRICT WISE PERCENTAGE OF HOT SPOTS OF FALL ARMYWORM

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 1ST WEEK OF OCTOBER 2021					
Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Sahiwal	54	401	31	57.4
2	Pakpattan	47	285	28	59.6
3	Faisalabad	84	246.5	24	28.6
4	Khanewal	27	137.0	22	81.5
5	Multan	36	240	20	55.6
6	Okara	25	84	18	72.0
7	M.Garh	37	152	17	45.9
8	Bahawalpur	46	373	16	34.8
9	Bahawalnagar	31	99	15	48.4
10	Sargodha	26	60.5	15	57.7
11	R.Y.Khan	14	17	13	92.9



12	Jhang	50	111	13	26.0
13	Lodhran	34	332	12	35.3
14	Vehari	15	106	10	66.7
15	D.G.Khan	51	70	10	19.6
16	Kasur	27	118	10	37.0
17	Chiniot	14	46	7	50.0
18	Rawalpindi	23	34.2	7	30.4
19	Layyah	11	21	6	54.5
20	TTSingh	15	58	6	40.0
21	Bhakkar	17	14.5	6	35.3
22	Gujranwala	8	11	5	62.5
23	Sheikhupura	5	12	4	80.0
24	Ferozwala	6	8	4	66.7
25	Sialkot	6	11	4	66.7
26	Mianwali	21	35	4	19.0
27	Chakwal	21	16.25	4	19.0
28	Nankana Sahib	5	4	3	60.0
29	Rajanpur	6	8	2	33.3
30	Narowal	2	3	2	100.0
31	M.B. Din	9	17	2	22.2
32	Khushab	4	4	2	50.0
33	Lahore	14	64	0	0.0
34	Hafizabad	1	3	0	0.0
35	Gujrat	2	2	0	0.0
36	Jhelum	16	65	0	0.0
37	Attock	5	5.1	0	0.0
<b>G.TOT 2021</b>		<b>815</b>	<b>3274</b>	<b>342</b>	<b>42.0</b>

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
SORGHUM CROP FOR 1ST WEEK OF OCTOBER 2021**

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	D.G.Khan	39	60	8	20.5
2	Sahiwal	34	43	7	20.6
3	Faisalabad	40	27.3	7	17.5
4	Pakpattan	29	39	6	20.7
5	Narowal	28	34	6	21.4
6	Multan	37	56	5	13.5
7	Chakwal	21	12.625	5	0.0
8	Okara	12	18	4	33.3
9	Bahawalpur	7	10	4	57.1
10	M.Garh	19	19	4	21.1



11	Jhang	23	30	3	13.0
12	Kasur	34	77	3	0.0
13	Nankana Sahib	9	6.5	3	33.3
14	Minawali	28	33	3	10.7
15	Sheikhupura	11	15	2	18.2
16	Sargodha	34	59	1	2.9
17	M.B.Din	13	20	1	7.7
18	Khanewal	0	0	0	0.0
19	Vehari	15	21	0	0.0
20	Lodhran	12	14	0	0.0
21	Bahawalnagar	15	19.0	0	0.0
22	R.Y.Khan	16	16	0	0.0
23	Rajanpur	9	10	0	0.0
24	Layyah	6	7	0	0.0
25	T.T.Sing	15	21	0	0.0
26	Chiniot	15	24	0	0.0
27	Lahore	9	40	0	0.0
28	Ferozwala	6	6	0	0.0
29	Khushab	2	2	0	0.0
30	Bhakkar	0	0	0	0.0
31	Gujranwala	24	57	0	0.0
32	Hafizabad	5	7.5	0	0.0
33	Sialkot	24	37	0	0.0
34	Gujrat	22	31	0	0.0
35	Jehlum	12	121	0	0.0
36	Rawalpindi	3	0.3	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2021</b>		<b>628</b>	<b>993.2</b>	<b>72</b>	<b>11.5</b>

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
MILLET CROP FOR 1ST WEEK OF OCTOBER 2021**

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	D.G.Khan	2	2	1	50.0
2	T.T.Sing	1	3	1	100.0
3	Sargodha	4	10	1	25.0
4	Bhakkar	25	69.3	1	4.0
5	Chakwal	21	11.25	1	4.8
6	Multan	0	0	0	0.0
7	Khanewal	0	0	0	0.0
8	Vehari	0	0	0	0.0
9	Lodhran	0	0	0	0.0

10	Sahiwal	15	19	0	0.0
11	Pakpattan	0	0.0	0	0.0
12	Okara	0	0	0	0.0
13	Bahawalpur	4	22.5	0	0.0
14	Bahawalnagar	17	25	0	0.0
15	R.Y.Khan	0	0	0	0.0
16	M.Garh	10	14	0	0.0
17	Rajanpur	0	0	0	0.0
18	Layyah	9	14	0	0.0
19	Faisalabad	29	50	0	0.0
20	Jhang	0	0	0	0.0
21	Chiniot	8	15	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	Khushab	1	1	0	0.0
28	Minawali	28	28	0	0.0
29	Gujranwala	11	11.5	0	0.0
30	Hafizabad	2	1	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	5	7	0	0.0
33	M.B.Din	2	3	0	0.0
34	Gujrat	0	0	0	0.0
35	Jehlum	8	39	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2021</b>		<b>202</b>	<b>345.6</b>	<b>5</b>	<b>2.5</b>



**FORECAST FOR THE NEXT WEEK:**

Districts	Temperature	
	Max. Temp (°C)	Min. Temp (°C)
Sahiwal	34.0	25.0
Pakpattan	35.0	26.0
Okara	34.0	24.0
Jhang	33.6	25.7
Toba Tek Singh	36.6	25.9
Chiniot	33.0	24.0
Multan	36.0	27.7
Khanewal	36.3	27.4
Vehari	35.0	28.0
Lodhran	34.5	26.0
<b>AVG</b>	<b>34.8</b>	<b>25.9</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 is conducive for the rapid 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