



**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  
(پیسٹ وارننگ اینڈ کوالٹی کنٹرول  
آف پیسٹ مانیٹرز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 2<sup>nd</sup> WEEK OF NOVEMBER, 2021.**

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

At present the pest infestation is reported on Maize Crop from 31 districts whereas the infestation on Sorghum Crop is observed from 07 districts and the infestation on Millet Crop is observed from 01 districts and the infestation on Potato Crop is observed from 03 districts in Punjab which is expected to Sustain in coming period.

  
/ **DIRECTOR GENERAL**

No. **13657-63** /DGA(PW&QCP) Dated: **17-11-2021.**  
**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 2<sup>nd</sup> WEEK OF NOVEMBER, 2021

Pest Situation of Maize Pests						
		%age of spots				
Sr. No.	Pest Name	Current Week		Previous week		Remarks
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	4.68	0.00	8.32	-
2	Fall Armyworm	32.28	-	36.95	-	Decreasing

Pest Situation of Sorghum Pests						
		%age of spots				
Sr. No.	Pest Name	Current Week		Previous week		Remarks
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	19.67	1.57	13.48	Decreasing
2	Fall Armyworm	10.36	-	15.36	-	Decreasing

Pest Situation of FAW on Millet Crop						
		%age of spots				
Sr. No.	Pest Name	Current Week		Previous week		Remarks
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	0.00	0.00	0.00	-
2	Fall Armyworm	1.33	-	4.05	-	Decreasing

Pest Situation of FAW on Potato Crop						
		%age of spots				
Sr. No.	Pest Name	Current Week		Previous week		Remarks
		AETL	BETL	AETL	BETL	
1	Fall Armyworm	2.87	-	-	-	Reported

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

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 2nd WEEK OF NOVEMBER 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	Lodhran	62	468	20	32.3
2	Sahiwal	40	177	20	50.0
3	M.Garh	59	167	15	25.4
4	Faisalabad	41	74	11	26.8
5	Sargodha	12	19.5	11	91.7

6	Khanewal	22	127	10	45.5
7	Pakpattan	23	75	9	39.1
8	Bahawalnagar	19	55	9	47.4
9	D.G.Khan	54	85	9	16.7
10	Layyah	10	18	9	90.0
11	Multan	47	313	8	17.0
12	Sheikhupura	17	45	8	47.1
13	Kasur	34	166	8	23.5
14	Jhang	17	85	8	47.1
15	Okara	20	93	7	35.0
16	Bahawalpur	47	373	7	14.9
17	Chiniot	16	40	7	43.8
18	R.Y.Khan	6	12	4	66.7
19	Ferozwala	6	12	4	66.7
20	Mianwali	14	23	4	28.6
21	Vehari	16	82	3	18.8
22	Rajanpur	10	11	3	30.0
23	Lahore	4	6	3	75.0
24	Sialkot	8	13	3	37.5
25	M.B. Din	10	16	3	30.0
26	Nankana Sahib	3	26	2	66.7
27	Gujranwala	8	24	2	25.0
28	Gujrat	3	4.0	2	66.7
29	Khushab	2	2	2	100.0
30	Bhakkar	9	10.2	2	22.2
31	TTSingh	4	5	1	25.0
32	Hafizabad	0	0	0	0.0
33	Narowal	5	8	0	0.0
34	Jhelum	7	11	0	0.0
35	Chakwal	8	2.13	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2021</b>		<b>663</b>	<b>2648</b>	<b>214</b>	<b>32.3</b>

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
SORGHUM CROP FOR 2nd WEEK OF NOVEMBER 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	33	42	7	21.2
2	M.Garh	25	25	7	28.0
3	Pakpattan	10	10.0	2	20.0

4	Multan	7	8	1	14.3
5	Sahiwal	9	11	1	11.1
6	Okara	10	14	1	10.0
7	M.B.Din	11	16	1	9.1
8	Khanewal	0	0	0	0.0
9	Vehari	15	18	0	0.0
10	Lodhran	8	17	0	0.0
11	Bahawalpur	7	9	0	0.0
12	Bahawalnagar	0	0	0	0.0
13	R.Y.Khan	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	6	8	0	0.0
20	Lahore	0	0	0	0.0
21	Kasur	40	87	0	0.0
22	Sheikhupura	8	5	0	0.0
23	Ferozwala	2	2	0	0.0
24	Nankana Sahib	0	0	0	0.0
25	Sargodha	0	0	0	0.0
26	Khushab	0	0	0	0.0
27	Minawali	0	0	0	0.0
28	Bhakkar	0	0	0	0.0
29	Gujranwala	0	0	0	0.0
30	Hafizabad	0	0	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	0	0	0	0.0
33	Gujrat	0	0	0	0.0
34	Jhelum	0	0	0	0.0
35	Chakwal	2	0.75	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2021</b>		<b>193</b>	<b>272.8</b>	<b>20</b>	<b>10.4</b>

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
MILLET CROP FOR 2nd WEEK OF NOVEMBER 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	Chakwal	3	0.875	1	33.3
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	4	23	0	0.0
10	Bahawalnagar	0	0	0	0.0
11	R.Y.Khan	0	0	0	0.0
12	D.G.Khan	2	2	0	0.0
13	M.Garh	6	7	0	0.0
14	Rajanpur	0	0	0	0.0
15	Layyah	34	86	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	0	0	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	0	0	0	0.0
26	Khushab	1	1	0	0.0
27	Minawali	0	0	0	0.0
28	Bhakkar	24	10.3	0	0.0
29	Gujranwala	0	0	0	0.0
30	Hafizabad	0	0	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	0	0	0	0.0
33	M.B.Din	1	0.5	0	0.0
34	Gujrat	0	0	0	0.0
35	Jehlum	0	0	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
<b>G.TOT 2021</b>		<b>75</b>	<b>130.7</b>	<b>1</b>	<b>1.3</b>

<b>DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON POTATO CROP FOR 2nd WEEK OF NOVEMBER 2021</b>					
<b>Sr. #</b>	<b>District</b>	<b>No. of Spots Visited</b>	<b>Area Surveyed (Acres)</b>	<b>No. of Hot Spots of Fall Armyworm</b>	<b>% age of Hot Spots of Fall Armyworm</b>
1	Bahawalnagar	6	56	3	50.0
2	Okara	30	290	2	6.7
3	Pakpattan	25	117	1	4.0
4	Multan	5	20	0	0.0
5	Lodhran	0	0	0	0.0
6	Khanewal	8	85	0	0.0
7	Vehari	0	0	0	0.0
8	Sahiwal	41	303	0	0.0
9	Bahawal pur	0	0	0	0.0
10	R.Y. Khan	0	0	0	0.0
11	D.G.Khan	0	0	0	0.0
12	M.Garh	0	0	0	0.0
13	Rajanpur	0	0	0	0.0
14	Layyah	0	0	0	0.0
15	Chiniot	0	0	0	0.0
16	Faisalabad	0	0	0	0.0
17	T.T.singh	25	204	0	0.0
18	Chiniot	0	0	0	0.0
19	Lahore	5	41	0	0.0
20	Kasur	0	0	0	0.0
21	Sheikhupura	0	0	0	0.0
22	Nankana Sahib	0	0	0	0.0
23	Sargodha	0	0	0	0.0
24	Khushab	0	0	0	0.0
25	Minawali	0	0	0	0.0
26	Bhakkar	0	0	0	0.0
27	Gujranwala	0	0	0	0.0
28	Hafizabad	0	0	0	0.0
29	Sialkot	0	0	0	0.0
30	Narowal	0	0	0	0.0
31	M.B.Din	1	15	0	0.0
32	Gujrat	0	0	0	0.0
33	Jehlum	22	143.5	0	0.0
34	Chakwal	17	312.63	0	0.0
35	Rawalpindi	22	4	0	0.0
36	Attock	2	18	0	0.0
<b>G.TOT 2021</b>		<b>209</b>	<b>1609</b>	<b>6</b>	<b>2.9</b>

**FORECAST FOR THE NEXT WEEK:**

DISTRICTS	TEMPERATURE	
	Max. Temp (°C)	Min. Temp (°C)
Sahiwal	26.0	13.0
Pakpattan	27.0	11.0
Okara	32.0	19.5
Jhang	21.0	10.0
Toba Tek Singh	26.5	14.3
Chiniot	24.2	10.5
Multan	26.6	15.3
Khanewal	28.5	14.0
Vehari	27.9	13.0
Lodhran	21.0	12.5
<b>AVG</b>	<b>26.07</b>	<b>13.31</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 not favor 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