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نظامت اعلیٰ  
(پیست وارننگ اینڈ کوالٹی کنٹرول  
آف پستی سائینسز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 4<sup>TH</sup>**  
**WEEK OF OCTOBER, 2021.**

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 4<sup>TH</sup> week of October in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 34 districts whereas the infestation on Sorghum Crop is observed from 13 districts and the infestation on Millet Crop is observed from 3 districts in Punjab which is expected to increase in coming period.

  
**DIRECTOR GENERAL**

No. 13060-66 /DGA(PW&QCP) Dated: 02-11-2021  
**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 4<sup>TH</sup> WEEK OF OCTOBER, 2021

Pest Situation of Maize Pests						
Sr. No.	Pest Name	%age of spots				Remarks
		Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.24	8.94	0.13	9.45	Sustaining
2	Fall Armyworm	35.25	-	41.00	-	Decreasing

Pest Situation of Sorghum Pests						
Sr. No.	Pest Name	%age of spots				Remarks
		Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	18.40	0.46	11.13	Decreasing
2	Fall Armyworm	12.03	-	11.75	-	Increasing

Pest Situation of FAW on Millet Crop						
Sr. No.	Pest Name	%age of spots				Remarks
		Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	0.00	0.00	0.00	-
2	Fall Armyworm	2.58	-	3.39	-	Decreasing

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

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 4TH 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	M.Garh	91	259.0	32	35.2
2	Khanewal	43	205	26	60.5
3	Pakpattan	44	274	25	56.8
4	Faisalabad	83	203.2	20	24.1
5	Sahiwal	50	245	18	36.0
6	Okara	23	132	14	60.9
7	Sargodha	23	32	13	56.5
8	Multan	31	169	12	38.7
9	Bahawalnagar	28	99	12	42.9
10	Jhang	23	67	11	47.8
11	Lodhran	30	259	10	33.3

12	D.G.Khan	60	115	10	16.7
13	Rajanpur	17	30	9	52.9
14	Kasur	32	172	8	25.0
15	Chiniot	16	44	8	50.0
16	R.Y.Khan	10	12	7	70.0
17	Vehari	16	82	6	37.5
18	Lahore	17	119	6	35.3
19	Khushab	7	8	6	85.7
20	TTSingh	13	17.25	5	38.5
21	Bhakkar	13	11	4	30.8
22	Mianwali	21	35	4	19.0
23	Layyah	16	17	3	18.8
24	M.B. Din	10	16	3	30.0
25	Sheikhupura	6	18	2	33.3
26	Nankana Sahib	5	5	2	40.0
27	Ferozwala	3	7	2	66.7
28	Hafizabad	4	24	2	50.0
29	Sialkot	12	23	2	16.7
30	Gujrat	2	2.25	2	100.0
31	Bahawalpur	35	287	1	2.9
32	Gujranwala	2	5	1	50.0
33	Narowal	1	1	1	100.0
34	Chakwal	20	9.13	1	5.0
35	Jehlum	5	28.5	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	5	2.7	0	0.0
<b>G.TOT 2021</b>		<b>817</b>	<b>3035</b>	<b>288</b>	<b>35.3</b>

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 4TH 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	M.Garh	66	67	14	21.2
2	D.G.Khan	45	72	10	22.2
3	Pakpattan	26	30	5	19.2
4	Sahiwal	26	47	4	15.4
5	Bahawalpur	7	10.0	4	57.1
6	Okara	12	21	3	25.0
7	Chakwal	23	7.625	3	13.0
8	Kasur	40	98	2	5.0
9	Narowal	7	7	2	28.6
10	Multan	6	8	1	16.7

11	T.T.Sing	12	16.5	1	8.3
12	Sargodha	20	29.5	1	5.0
13	M.B.Din	11	13	1	9.1
14	Khanewal	0	0	0	0.0
15	Vehari	15	18	0	0.0
16	Lodhran	16	20	0	0.0
17	Bahawalnagar	0	0	0	0.0
18	R.Y.Khan	17	17	0	0.0
19	Rajanpur	0	0	0	0.0
20	Layyah	4	4	0	0.0
21	Faisalabad	0	0	0	0.0
22	Jhang	0	0	0	0.0
23	Chiniot	9	19	0	0.0
24	Lahore	0	0	0	0.0
25	Sheikhupura	0	0	0	0.0
26	Ferozwala	6	6	0	0.0
27	Nankana Sahib	13	16	0	0.0
28	Khushab	1	1	0	0.0
29	Minawali	0	0	0	0.0
30	Bhakkar	0	0	0	0.0
31	Gujranwala	4	7	0	0.0
32	Hafizabad	3	3	0	0.0
33	Sialkot	28	46	0	0.0
34	Gujrat	2	2.64	0	0.0
35	Jehlum	3	5	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	2	1.5	0	0.0
<b>G.TOT 2021</b>		<b>424</b>	<b>592.8</b>	<b>51</b>	<b>12.0</b>

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON  
MILLET CROP FOR 4TH 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	Layyah	47	120	2	4.3
2	Bhakkar	44	100.4	2	4.5
3	Chakwal	21	7.125	1	4.8
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	4	5	0	0.0
9	Pakpattan	0	0	0	0.0

10	Okara	0	0	0	0.0
11	Bahawalpur	4	19	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	21	21	0	0.0
16	Rajanpur	0	0	0	0.0
17	Faisalabad	0	0	0	0.0
18	T.T.Sing	0	0	0	0.0
19	Jhang	0	0	0	0.0
20	Chiniot	0	0	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	11	13	0	0.0
27	Khushab	11	18	0	0.0
28	Minawali	0	0	0	0.0
29	Gujranwala	13	10.75	0	0.0
30	Hafizabad	9	8.75	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	1	2	0	0.0
33	M.B.Din	1	0.5	0	0.0
34	Gujrat	2	4.5	0	0.0
35	Jehlum	4	19.25	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	1	0.4	0	0.0
<b>G.TOT 2021</b>		<b>194</b>	<b>349.7</b>	<b>5</b>	<b>2.6</b>

**FORECAST FOR THE NEXT WEEK:**

DISTRICTS	TEMPERATURE	
	Max. Temp (°C)	Min. Temp (°C)
Sahiwal	29.5	16.0
Pakpattan	30.0	17.0
Okara	31.0	16.5
Jhang	21.8	9.5
Toba Tek Singh	29.60	63.74
Chiniot	35.0	19.0
Multan	29.6	17.4
Khanewal	30.0	17.6
Vehari	31.0	18.9
Lodhran	28.7	19.0
<b>AVG</b>	<b>29.62</b>	<b>21.46</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