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نظامت اعلیٰ  
(پست وارننگ اور کوالٹی کنٹرول  
آف پیسٹ سائٹرز) پنجاب لاہور

Subject: PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 4<sup>TH</sup>  
WEEK OF NOVEMBER, 2023.

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

At present the pest infestation is reported on Maize Crop from 21 districts, No infestation is reported on Sorghum Crop & Millet Crop.

  
Assistant Director Agri. (PP) Hqr  
For Director General

No. 10759-65 /DGA (PW&QCP)  
Copy forwarded for information to;

Dated: 04-12-2023

- 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 4<sup>TH</sup> WEEK OF NOVEMBER, 2023

Pest Situation of Maize Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2023		Previous week 2023		Corresponding week 2022		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	2.22	0.41	3.45	0.00	8.17	Decreasing
2	Fall Armyworm	24.68	-	18.26	-	28.92	-	Increasing

Pest Situation of Sorghum Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2023		Previous week 2023		Corresponding week 2022		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	31.58	1.04	19.79	6.25	0.00	Decreasing
2	Fall Armyworm	0.00	-	8.33	-	6.25	-	Decreasing

Pest Situation of Millet Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2023		Previous week 2023		Corresponding week 2022		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	0.00	0.00	0.00	0.00	0.00	-
2	Fall Armyworm	0.00	-	0.00	-	0.00	-	-

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 4TH WEEK OF NOVEMBER, 2023						
Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm	
1	Bhakkar	3	3	3	100.0	
2	Gujranwala	4	10.5	3	75.0	
3	D.G.Khan	20	22	10	50.0	
4	Gujrat	2	5	1	50.0	
5	TTSingh	2	6	1	50.0	
6	Multan	14	55	6	42.9	
7	Pakpattan	11	28	4	36.4	
8	Vehari	15	25	5	33.3	
9	Layyah	9	13	3	33.3	
10	M.Garh	35	44	11	31.4	
11	Khanewal	21	88	6	28.6	
12	Sheikhupura	16	25	4	25.0	
13	Mianwali	4	5	1	25.0	
14	Okara	19	69	4	21.1	

15	Nankana Sahib	10	15.5	2	20.0
16	Sialkot	6	22	1	16.7
17	Jhang	14	35	2	14.3
18	Kasur	29	81	4	13.8
19	Rajanpur	22	24	3	13.6
20	Sahiwal	30	101	3	10.0
21	M.B. Din	10	22.5	1	10.0
22	Lodhran	16	90	0	0.0
23	Bahawalpur	0	0	0	0.0
24	Bahawalnagar	0	0	0	0.0
25	R.Y.Khan	0	0	0	0.0
26	Lahore	0	0	0	0.0
27	Ferozwala	0	0	0	0.0
28	Hafizabad	0	0	0	0.0
29	Wazirabad	0	0	0	0.0
30	Narowal	0	0	0	0.0
31	Faisalabad	0	0	0	0.0
32	Chiniot	0	0	0	0.0
33	Sargodha	0	0	0	0.0
34	Khushab	0	0	0	0.0
35	Jhelum	4	4	0	0.0
36	Chakwal	0	0	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
<b>G.TOT 2023</b>		<b>316</b>	<b>794</b>	<b>78</b>	<b>24.7</b>

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 4TH WEEK OF NOVEMBER, 2023**

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Multan	0	0	0	0.0
2	Khanewal	0	0	0	0.0
3	Vehari	0	0	0	0.0
4	Lodhran	0	0	0	0.0
5	Sahiwal	0	0	0	0.0
6	Pakpattan	0	0	0	0.0
7	Okara	0	0	0	0.0
8	Bahawalpur	0	0	0	0.0
9	Bahawalnagar	0	0	0	0.0
10	R.Y.Khan	0	0	0	0.0
11	D.G.Khan	18	20	0	0.0
12	M.Garh	0	0	0	0.0
13	Rajanpur	18	18	0	0.0
14	Layyah	0	0	0	0.0

15	Faisalabad	0	0	0	0.0
16	T.T.Sing	0	0	0	0.0
17	Jhang	0	0	0	0.0
18	Chiniot	0	0	0	0.0
19	Lahore	0	0	0	0.0
20	Kasur	0	0	0	0.0
21	Sheikhupura	0	0	0	0.0
22	Ferozwala	0	0	0	0.0
23	Nankana Sahib	0	0	0	0.0
24	Sargodha	0	0	0	0.0
25	Khushab	0	0	0	0.0
26	Minawali	0	0	0	0.0
27	Bhakkar	0	0	0	0.0
28	Gujranwala	0	0	0	0.0
29	Hafizabad	0	0	0	0.0
30	Wazirabad	0	0	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	0	0	0	0.0
33	M.B.Din	0	0	0	0.0
34	Gujrat	2	3	0	0.0
35	Jhelum	0	0	0	0.0
36	Chakwal	0	0	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
<b>G.TOT 2023</b>		<b>38</b>	<b>41</b>	<b>0</b>	<b>0.00</b>

<b>DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MILLET CROP FOR 4TH WEEK OF NOVEMBER, 2023</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	Multan	0	0	0	0.0
2	Khanewal	0	0	0	0.0
3	Vehari	0	0	0	0.0
4	Lodhran	0	0	0	0.0
5	Sahiwal	0	0	0	0.0
6	Pakpattan	0	0	0	0.0
7	Okara	0	0	0	0.0
8	Bahawalpur	0	0	0	0.0
9	Bahawalnagar	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	49	137	0	0.0
15	Faisalabad	0	0	0	0.0
16	T.T.Sing	0	0	0	0.0
17	Jhang	0	0	0	0.0

18	Chiniot	0	0	0	0.0
19	Lahore	0	0	0	0.0
20	Kasur	0	0	0	0.0
21	Sheikhupura	0	0	0	0.0
22	Ferozwala	0	0	0	0.0
23	Nankana Sahib	0	0	0	0.0
24	Sargodha	0	0	0	0.0
25	Khushab	0	0	0	0.0
26	Minawali	0	0	0	0.0
27	Bhakkar	0	0	0	0.0
28	Gujranwala	0	0	0	0.0
29	Hafizabad	0	0	0	0.0
30	Wazirabad	0	0	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	0	0	0	0.0
33	M.B.Din	0	0	0	0.0
34	Gujrat	0	0	0	0.0
35	Jhelum	1	1	0	0.0
36	Chakwal	0	0	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
<b>G.TOT 2023</b>		<b>50</b>	<b>138</b>	<b>0</b>	<b>0.0</b>

#### FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	24.8	8.8
Pakpattan	24.6	8.7
Okara	24.3	8.5
Jhang	24.7	9.1
Toba Tek Singh	24.2	9.0
Chiniot	24.1	8.3
Multan	25.4	10.3
Khanewal	25.3	9.0
Vehari	25.0	9.1
Lodhran	25.1	10.6
<b>AVG</b>	<b>24.7</b>	<b>9.1</b>

Optimum temperature requirement for rapid multiplication of Fall Army Worm is 25-35 °C.

#### 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