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نظامت اعلیٰ  
(پست وارننگ اینڈ کوالٹی کنٹرول  
آف پیسٹی سائٹوز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 1<sup>ST</sup>**  
**WEEK OF JULY, 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 July in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported from 05 districts of Punjab including Khanewal, Sheikhpura, Ferozwala, Narowal and M.B.Din districts which is expected to increase in coming period.

  
Deputy Director of Agri. (QCP) Hqr

No. 8181-87 /DGA(PW&QCP) Dated: 09-07-2021

**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.



Sr. #	District	No. of Spots Acres	Area Surveyed Acres	Area Affected Acres	Army Worm	Fall Army worm	Spots of Insect Pests (Above ETL)				Spots of Insect Pests (Below ETL)				Disease Incidence			
							Hopper	Toka	Shoot Fly	Maize Stem Borer	Helicover pa	Hopper	Toka	Shoot Fly	Maize Stem Borer	Helicover pa	Stalk Rot	Leaf Blight
24	Bhakkar	5	43	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.00	0.00	0.00	0.00	0.00
25	Mianwali	14	28	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.43	0.00	0.00	0.00	0.00
26	Jehlum	17	55	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.65	0.00	17.65	0.00	0.00	0.00	0.00
27	Chakwal	6	3	1.125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.67	16.67	16.67	0.00	0.00	0.00	0.00
28	Rawalpindi	12	21.8	0.5	0.00	0.00	0.00	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Grand Total</b>		<b>495</b>	<b>1261.4</b>	<b>146.23</b>	<b>2.42</b>	<b>1.62</b>	<b>0.00</b>	<b>0.00</b>	<b>0.61</b>	<b>0.00</b>	<b>3.84</b>	<b>3.23</b>	<b>9.49</b>	<b>1.21</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## PEST SITUATION ON MAIZE CROP IN PUNJAB DURING 1ST WEEK OF JULY, 2021

Pest Situation of Maize Pests						
Sr. No.	Pest Name	%age of spots				Remarks
		Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Hopper	0.00	0.00	0.00	0.21	-
2	Shoot Fly	0.00	3.23	0.11	2.34	Decreasing
3	Maize Stem Borer	0.61	9.49	0.00	7.77	<b>Increasing</b>
4	Armyworm	2.42	-	2.34	-	<b>Increasing</b>
5	Fall Armyworm	1.62	-	0.96	-	<b>Increasing</b>
6	Stalk Rot	0.00	-	0.00	-	-
7	Leaf Blight	0.00	-	0.00	-	-
8	Smut	0.00	-	0.00	-	-

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

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 1ST WEEK OF JULY 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	Narowal	4	9	3	75.0
2	Sheikhupura	10	39	2	20.0
3	Khanewal	19	49	1	5.3
4	Ferozwala	10	14	1	10.0
5	M.B. Din	14	21	1	7.1
6	Multan	7	13	0	0.0
7	Vehari	15	71	0	0.0
8	Sahiwal	15	30	0	0.0
9	Pakpattan	24	72	0	0.0
10	Okara	13	70	0	0.0
11	D.G.Khan	70	93	0	0.0
12	M.Garh	8	11	0	0.0
13	Layyah	5	5	0	0.0
14	Lahore	3	31	0	0.0
15	Nankana Sahib	7	44	0	0.0
16	Kasur	40	133	0	0.0
17	Gujranwala	4	11	0	0.0
18	Sialkot	61	211	0	0.0
19	Gujrat	6	18	0	0.0
20	Faisalabad	70	84.6	0	0.0
21	Chiniot	13	37	0	0.0

22	TTSingh	2	2	0	0.0
23	Jhang	21	42	0	0.0
24	Bhakkar	5	43	0	0.0
25	Mianwali	14	28	0	0.0
26	Jehlum	17	55	0	0.0
27	Chakwal	6	3	0	0.0
28	Rawalpindi	12	21.8	0	0.0
<b>G.TOT 2021</b>		<b>495</b>	<b>1261</b>	<b>8</b>	<b>1.6</b>

### FORECAST FOR THE NEXT WEEK:

The optimum temperature for Fall Armyworm is 25-35 °C and RH is 80 % while the temperature forecast for the next 7 days particularly in Sahiwal Division is Maximum. Avg is 40 °C, Minimum Avg. is 27 °C and RH will be 50%. So it can be predicted that in the coming days the pest infestation may Increase under existing climatic conditions.

### MANAGEMENT PRACTICES:

Following practices may be adopted for the management of FAW and to prevent its further spread:

1. Conduct Pest scouting twice in a week.
2. Install light traps in maize fields for correct identification of pest.
3. Mechanical control through hand picking of larvae and egg masses.
4. Placing of sand or ash in the whorls where pest attack is at lower ebb.
5. Ensure need-based sprays and spot treatments.
6. Spray at late afternoon or early morning.
7. Whorl application of granular insecticides.
8. Avoid repeated applications of pesticides having same mode of action.
9. Try Bio-Pesticides & Botanicals.
10. Conserve and attract natural enemies.
11. At present no pesticides is 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