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قلمت اعلیٰ
(پست وارننگ اینڈ کوآپ کنٹرول
آف پیسٹی سائیز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 1ST**
WEEK OF APRIL, 2022.

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 1ST week of April in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 16 districts which is expected to increase in coming period.


Deputy Director of Agri. (QCP) Hqr
For Director General

No. 5420-26 /DGA(PW&QCP) Dated: 07-04-2022
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.
- 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 1ST WEEK OF APRIL, 2022

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	0.66	3.10	0.00	3.17	Increasing
2	Fall Armyworm	16.59	-	5.12	-	Increasing

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 1ST WEEK OF APRIL, 2022

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Bahawalpur	26	305	12	46.2
2	Khanewal	18	91	9	50.0
3	Pakpattan	55	251	9	16.4
4	Multan	28	129	8	28.6
5	Kasur	17	128	7	41.2
6	Vehari	30	164	7	23.3
7	R.Y.Khan	10	55	5	50.0
8	Faisalabad	59	195.5	5	8.5
9	Gujranwala	24	136.5	3	12.5
10	Sahiwal	37	262	3	8.1
11	M.B. Din	9	16	2	22.2
12	Nankana Sahib	2	1.75	1	50.0
13	Bahawalnagar	9	99	1	11.1
14	TTSingh	13	40	1	7.7
15	Okara	24	88	1	4.2
16	Chiniot	27	198	1	3.7
17	Lodhran	21	361	0	0.0
18	D.G.Khan	0	0	0	0.0
19	M.Garh	0	0	0	0.0
20	Rajanpur	0	0	0	0.0
21	Layyah	0	0	0	0.0
22	Lahore	3	36	0	0.0
23	Sheikhupura	5	17	0	0.0
24	Ferozwala	0	0	0	0.0
25	Hafizabad	2	6.5	0	0.0
26	Sialkot	7	57	0	0.0
27	Narowal	3	3.5	0	0.0
28	Gujrat	1	0	0	0.0

29	Jhang	0	0	0	0.0
30	Sargodha	13	81	0	0.0
31	Khushab	0	0	0	0.0
32	Bhakkar	0	0	0	0.0
33	Mianwali	9	27	0	0.0
34	Jhelum	0	0	0	0.0
35	Chakwal	0	0	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2021		452	2749	75	16.6

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Max. Temp (°C)	Min. Temp (°C)
Sahiwal	41.6	24.0
Pakpattan	41.3	24.6
Okara	40.6	24.6
Jhang	41.0	23.3
Toba Tek Singh	42.3	24.7
Chiniot	40.8	23.4
Multan	41.8	25.1
Khanewal	42.3	24.4
Vehari	42.3	24.7
Lodhran	42.3	25.3
AVG	41.6	24.4

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