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DIRECTORATE GENERAL, PEST WARNING & QCP, PUNJAB

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PEST ALERT: RICE CROP IN FOURTH WEEK AUGUST 2020

Pest situation trends of rice crop from pest surveillance reports remained as under during the previous week:

PEST SITUATION TREND OF RICE CROP

| Pest Situation of Rice Pests | | | | | | | | |
|------------------------------|---------------|---------------|-------|---------------|-------|---------------------------------|------|---------------------|
| Sr. No. | Pest Name | %age of spots | | | | | | Remarks |
| | | Current Week | | Previous Week | | Corresponding week of Last Year | | |
| | | AETL | BETL | AETL | BETL | AETL | BETL | |
| 1 | Rice Borer | 0.28 | 8.37 | 0.17 | 7.12 | 0.17 | 4.31 | Low & Sustaining |
| 2 | Leaf Folder | 0.17 | 8.20 | 0.06 | 4.67 | 0.00 | 2.15 | Low & Sustaining |
| 3 | WPBH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - |
| 4 | BPH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - |
| 5 | Toka | 0.45 | 15.00 | 0.45 | 12.63 | 0.06 | 6.92 | Sustaining |
| 6 | Foot Rot | 5.17 | - | 5.68 | - | 3.85 | - | Medium & Sustaining |
| 7 | B.L.B | 0.45 | - | 0.28 | - | 0.00 | - | Low & Sustaining |
| 8 | B.L.S | 1.57 | - | 0.72 | - | 0.74 | - | Low & Sustaining |
| 9 | Sheath Blight | 0.11 | - | 0.17 | - | 0.00 | - | Low & Sustaining |
| 10 | Blast | 0.39 | - | 0.33 | - | 0.00 | - | Low & sustaining |
| NO. OF TOTAL SPOTS VISITED | | | | | | 1780 | | |
| TOTAL AREA VISITED (Acres) | | | | | | 13994 | | |

The spots above ETL have been reported in different area of Rice Zone as under:

| | | | | | |
|---|-------------|-------|----|----------------|------|
| 1. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF RICE BORER | | | | | |
| 1 | Minchenabad | 6.89 | 3 | Pak Pattan | 2.5 |
| 2 | Sahiwal | 4.76 | 4 | Lahore | 1.38 |
| 2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF LEAF ROLLER | | | | | |
| 1 | Shah Pur | 9.52 | 2 | Minchanabad | 3.45 |
| 3. NO HOT SPOTS OF WHITE-BACKED PLANT HOPPER IN ANY TEHSIL | | | | | |
| 4. NO HOT SPOTS OF BROWN PLANT HOPPER IN ANY TEHSIL | | | | | |
| 5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF TOKA | | | | | |
| 1 | Safdarabad | 5.71 | 4 | Phalia | 4.00 |
| 2 | Lalian | 4.76 | 5 | Chiniot | 3.13 |
| 3 | M.B.Din | 4.17 | 6 | Lahore | 2.78 |
| 6. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF FOOT ROT | | | | | |
| 1 | Jatoi | 33.33 | 10 | Shahkot | 9.52 |
| 2 | Ferozwala | 22.22 | 11 | Kasur | 9.09 |
| 3 | Safdarabad | 17.14 | 12 | Sheikhupura | 8.96 |
| 4 | Sahiwal | 16.67 | 13 | Nankana Sahib | 8.57 |
| 5 | Chak Jhumra | 13.64 | 14 | M.B.Din | 8.33 |
| 6 | Pattoki | 11.76 | 15 | Narang Mandi | 8.33 |
| 7 | Muridke | 11.11 | 16 | Pasrur | 7.69 |
| 8 | Pirmahal | 10.71 | 17 | Gujrat | 7.14 |
| 9 | Pakpattan | 10.00 | 18 | Kamalia | 6.67 |
| 7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF BROWN LEAF SPOT | | | | | |
| 1 | Minchinabad | 20.69 | 4 | Malikwal | 8.70 |
| 2 | Jalal Pur | 20.00 | 5 | M.B.Din | 8.33 |
| 3 | Shujabad | 12.50 | 6 | Sahiwal | 8.33 |
| 8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF BACTERIAL LEAF BLIGHT | | | | | |
| 1 | Jalal Pur | 20.00 | 2 | Gujranwala | 5.71 |
| 9. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF SHEATH BLIGHT | | | | | |
| 1 | Kamoki | 5.56 | | | |
| 10. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF BLAST | | | | | |
| 1 | D.G Khan | 40.00 | 4 | Muzzaffer Garh | 8.33 |
| 2 | Kot Chatta | 33.33 | 5 | Sahiwal | 4.17 |
| 3 | Ali Pur | 14.29 | | | |

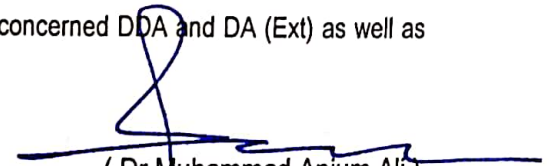
GENERAL RECOMMENDATIONS PEST MANAGEMENT OF RICE CROP

1. Conduct regular pest scouting twice a week for rice insect pests.
2. Control the pest without delay when population reaches ETL.
3. Install yellow sticky traps for monitoring of hoppers.
4. Avoid excessive use of nitrogenous fertilizers.
5. Avoid water excess or stress to the crop.
6. Use recommended pesticides/fungicides & dose when needed.

ECONOMIC THRESHOLD LEVELS OF RICE PESTS

| INSECT PESTS | ECONOMIC THRESHOLD LEVELS |
|-------------------------------|--|
| Borers (White, Yellow & Pink) | 0.5% attack on rice nursery while 8-10 Moth/Trap/Night & 5% dead heart on rice crop. |
| Toka | 2-3 per net sweep. |
| Leaf Folder | 2 rolled leaves per plant in July-August & 3 rolled leaves per plant in September-October. |
| Brown Plant Hopper | 5 Nymphs or Adults per plant in July-August & 10 Nymphs or Adults per plant in September-October. |
| White Backed Plant Hopper | 10 Nymphs or Adults per plant in July-August & 15 Nymphs or Adults per plant in September-October. |
| Hispa | 1 per plant |
| Diseases | On appearance |

- Details of Hotspots and Below ETL spots can be seen from the reports already emailed by DG AE office to DDAs and ADAs of Agri. Extension wing & from concerned ADAs (PP) and AOs (PP).
- Action taken reports of hot spots from AD AE should be furnished regularly to concerned DDA and DA (Ext) as well as information to the ADAs (PP) of the District without delay.


(Dr Muhammad Anjum Ali)
DIRECTOR GENERAL

CC:

1. PSO to Minister for Agriculture Punjab, Lahore.
2. PO to Secretary to Government of the Punjab, Agriculture Department, Lahore.
3. Additional Secretary (Task Force) to Government of the Punjab, Agriculture Department, Lahore.
4. Director General Agriculture (Extension & AR) Punjab, Lahore.
5. Chairman PCPA & Crop Life Pakistan Multan and Karachi.
6. Director of Agriculture (Information) Punjab, Lahore.
7. Directors of Agriculture (Extension) and DDAs (PP) of Cotton Zone.
8. Deputy Director of Agriculture (Extension) / Assistant Director (PW) / ADA (Ext) Cotton Zone in Punjab.