

Department of Agriculture BUREAU OF PLANT INDUSTRY

692 San Andres Street, Malate, Manila, Philippines Email Address: cpmd@buplant.da.gov.ph Tel. No.: (02) 8525-7909, (02) 8525-2987



PEST SURVEY DATA OF REGION II (CAGAYAN VALLEY)

July 2024

Monitoring date: July 2-15, 2024

Provinces surveyed: Quirino, Cagayan, and Isabela.

Number of Monitoring fields: 57 monitoring fields (16 at fallow period, 3 at land

preparation, and 38 planted with rice)

Rice crop developmental stage: Seedling to booting stage.

Data collector/s: Walter Valerio, Wilbert Crisologo, and Jose Mariano.





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91% 9%

100%

97%3%

100%

10 20 30 40 50 60 70 80 90 100

| Region II Isabela - All Municipalities | | | | | Pest Risk Identification and Management |
|--|--------|------|-------|--------------------|---|
| July 2024 | n | min | max | Pest incidence (%) | <1 1-5 >5 |
| A. FOLIAR DISEASES | | | | | |
| Bacterial leaf blight | 35 | 0.00 | 0.00 | | 100% |
| Bacterial leaf streak | 35 | 0.00 | 2.21 | | 80% <mark> 14%</mark> 6% |
| Brown spot | 35 | 0.00 | 1.33 | | 86% <mark>_11%3</mark> % |
| Leaf blast | 35 | 0.00 | 3.40 | | 91% <mark>36%</mark> |
| Red stripe | 35 | 0.00 | 0.00 | | 100% |
| B. DISEASE OR PEST INJURY ON | TILLER | S | | | |
| Deadheart | 35 | 0.00 | 10.16 | 57% | 40% <mark>3</mark> |
| Sheath blight | 35 | 0.00 | 0.00 | | 100% |
| C. DISEASE OR PEST INJURY ON | PANICL | ES | | | |
| Neck blast | 0 | 0 | 0 | | 100% |
| Whitehead | 0 | 0 | 0 | | 100% |
| D. SYSTEMIC DISEASE OR PEST II | NJURY | | | | |
| Bugburn | 35 | 0.00 | 0.00 | | 100% |
| Hopperburn | 35 | 0.00 | 0.00 | | 100% |
| Tungro | 35 | 0.00 | 0.00 | | 100% |
| E. INSECT COUNT | | | | | |
| Brown planthopper | 35 | 0.00 | 0.00 | | 100% |
| Green leafhopper | 35 | 0.00 | 0.00 | | 100% |
| Rice black bug | 35 | 0.00 | 0.00 | | 100% |

Figure 1. Incidence of pest injuries, counts of insect pests, and weed cover in Isabela on July 2024. Horizontal bar shows the proportion of fields in each range of pest injury incidence, insect count or weed cover.

1.33

0.00

3.41

0.00

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Rice bug

Rice grain bug

F. RAT INJURY

G. WEED COVER





35

35

35

35

0.00

0.00

0.00

0.00



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Region II | Quirino - All Municipalities

| | | | | | | | | | ريــٰ | <i>_</i>) 0 | ind Ma | nage | ment |
|---------------------------------|-------|------|------|----|---------|-------|-------|----|-------|--------------|--------|-------------|------|
| July 2024 | n | min | max | | Pest in | ciden | ce (% |) | O | <1 | 1 | l- 5 | >5 |
| A. FOLIAR DISEASES | | | | | | | | | | | | | |
| Bacterial leaf blight | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| Bacterial leaf streak | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| Brown spot | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| Leaf blast | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| Red stripe | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| B. DISEASE OR PEST INJURY ON T | ILLER | S | | | | | | | | | | | |
| Deadheart | 2 | 0.48 | 0.67 | | | | | | | | | | 100% |
| Sheath blight | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| C. DISEASE OR PEST INJURY ON PA | ANICL | ES | | | | | | | | | | | |
| Neck blast | 0 | 0 | 0 | | | | | | | | | | 100% |
| Whitehead | 0 | 0 | 0 | | | | | | | | | | 100% |
| D. SYSTEMIC DISEASE OR PEST IN | JURY | | | | | | | | | | | | |
| Bugburn | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| Hopperburn | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| Tungro | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| E. INSECT COUNT | | | | | | | | | | | | | |
| Brown planthopper | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| Green leafhopper | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| Rice black bug | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| Rice bug | 2 | 0.33 | 0.33 | | | | | | | | | | 100% |
| Rice grain bug | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| F. RAT INJURY | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| G. WEED COVER | 2 | 0.00 | 0.00 | | | | | | | | | | 100% |
| | | | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

Figure 2. Incidence of pest injuries, counts of insect pests, and weed cover in Quirino on July 2024. Horizontal bar shows the proportion of fields in each range of pest injury incidence, insect count or weed cover.

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Region II | Cagayan - All Municipalities



| July 2024 | n | min | max | | Pest in | ciden | ce (% |) | 0 | <1 | 1 | -5 | >5 |
|--------------------------------|-------|------|-------|----|---------|-------|-------|----|----|----|----|----|------|
| A. FOLIAR DISEASES | | | | | | | | | | | | | |
| Bacterial leaf blight | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| Bacterial leaf streak | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| Brown spot | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| Leaf blast | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| Red stripe | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| B. DISEASE OR PEST INJURY ON T | ILLER | S | | | | | | | | | | | |
| Deadheart | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| Sheath blight | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| C. DISEASE OR PEST INJURY ON F | ANICL | ES | | | | | | | | | | | |
| Neck blast | 1 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| Whitehead | 1 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| D. SYSTEMIC DISEASE OR PEST IN | JURY | | | | | | | | | | | | |
| Bugburn | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| Hopperburn | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| Tungro | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| E. INSECT COUNT | | | | | | | | | | | | | |
| Brown planthopper | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| Green leafhopper | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| Rice black bug | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| Rice bug | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| Rice grain bug | 16 | 0.00 | 0.00 | | | | | | | | | 1 | 100% |
| F. RAT INJURY | 16 | 0.00 | 0.00 | | | | | | | | | | 100% |
| G. WEED COVER | 16 | 0.00 | 20.00 | | | | | | | | 8 | 8% | 12% |
| | | | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

Figure 3. Incidence of pest injuries, counts of insect pests, and weed cover in Cagayan on July 2024. Horizontal bar shows the proportion of fields in each range of pest injury incidence, insect count or weed cover.

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