



**POSSIBLE PESTS TO
OCCUR ON RICE FOR
THE FIRST QUARTER
(**JANUARY-MARCH**)
OF 2024 BASED ON
HISTORICAL DATA**



RODENT

Number of Possible Sites to be Affected = 312

Possible Areas to be Affected

Region 5 (Camarines Sur, Sorsogon, Albay, Catanduanes, Masbate, Camarines Norte), Region 6 (Aklan, Capiz, Antique, Iloilo, Negros Occidental), Region 2 (Isabela, Cagayan, Quirino, Nueva Vizcaya), Region 12 (Sultan Kudarat, South Cotabato, North Cotabato, Sarangani), CAR (Ifugao, Mt. Province), Region 3 (Aurora, Pampanga, Bulacan, Nueva Ecija, Tarlac, Bataan), Region 4B (Palawan, Oriental Mindoro), Region 8 (Leyte, Eastern Samar, Northern Samar, Samar, Southern Leyte), Region 9 (Zamboanga del Sur, Zamboanga Sibugay), Region 13 (Agusan del Sur, Surigao del Sur), Region 1 (Pangasinan, La Union, Ilocos Norte, Ilocos Sur), Region 11 (Davao del Sur, Davao Oriental), Region 4A (Laguna), Region 13 (Surigao del Norte), Region 10 (Misamis Occidental, Bukidnon, Misamis Oriental), Region 7 (Negros Oriental)

Management Options

- Community Trap Barrier System
- Rat Campaign/Hunting
- Field sanitation
- Increase water level/flooding
- Use of flame thrower
- Rat trapping
- Synchronous planting
- Practice fallow period
- Time the application of mortality control at the early to the mid-tillering stage when the population is low



Courtesy: Rice Knowledge Bank, IRRI (photo)



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BROWN PLANTHOPPER

Number of Possible Sites to be Affected = 242

Possible Areas to be Affected

Region 3 (Bulacan, Pampanga, Nueva Ecija, Aurora, Bataan, Tarlac), Region 4B (Oriental Mindoro, Palawan), Region 2 (Isabela, Cagayan, Nueva Vizcaya, Quirino), Region 6 (Capiz, Iloilo, Aklan, Antique), CAR (Ifugao, Benguet, Kalinga, Mt. Province), Region 13 (Agusan del Norte, Surigao del Sur, Agusan del Sur, Surigao del Norte), Region 5 (Camarines Norte, Camarines Sur, Catanduanes), Region 8 (Biliran, Eastern Samar, Southern Leyte, Leyte, Northern Samar), Region 4A (Laguna, Quezon), Region 7 (Bohol, Negros Oriental, Cebu, Siquijor), Region 1 (Pangasinan, Ilocos Sur, La Union), Region 12 (South Cotabato, Sarangani), Region 13 (Surigao del Norte, Surigao del Sur), Region 9 (Zamboanga del Norte, Zamboanga Sibugay)

Management Options

- Practice synchronous planting.
- Avoid excessive nitrogen fertilizer.
- Plow-under in a heavily infested field
- Plant rice varieties that are resistant to brown planthopper.
- Judicious application of insecticides
- Intermittent water flooding
- Application of Biocontrol agents (eg. *Metarhizium anisopliae*)



Courtesy: Rice Knowledge Bank, IRRI (photo)



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RICE STEMBORER

Number of Possible Sites to be Affected = 139

Possible Areas to be Affected

Region 6 (Capiz, Iloilo, Antique, Aklan, Negros Occidental), Region 9 (Zamboanga del Sur), Region 12 (Sultan Kudarat, South Cotabato, North Cotabato, Sarangani), Region 5 (Sorsogon, Camarines Norte, Catanduanes, Albay), CAR (Ifugao, Kalinga, Mt. Province, Abra), Region 8 (Leyte, Eastern Samar, Biliran, Northern Samar), Region 3 (Nueva Ecija, Bulacan, Pampanga, Aurora, Tarlac, Bataan, Zambales), Region 13 (Surigao del Norte, Agusan del Norte, Surigao del Sur), Region 4B (Oriental Mindoro, Palawan, Occidental Mindoro), Region 2 (Isabela, Quirino, Cagayan), Region 7 (Bohol, Negros Oriental, Siquijor), Region 4A (Laguna, Quezon, Cavite), Region 1 (La Union, Pangasinan), Region 10 (Misamis Occidental), Region 11 (Davao Oriental)

Management Options

- Thorough land preparation to kill larvae and pupae.
- Plant resistant rice varieties.
- Practice synchronous planting.
- Cut leaf top (seedling stage) to reduce carry-over eggs before transplanting.
- Handpick and destroy egg masses.
- Field release of *Trichogramma japonicum* (egg parasitoid)
- Field sanitation.
- Practice fallow period.



Courtesy: Rice Knowledge Bank, IRRI (photo)



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BACTERIAL LEAF BLIGHT

Number of Possible Sites to be Affected = 114

Possible Areas to be Affected

Region 6 (Aklan, Capiz, Iloilo, Antique, Negros Occidental), Region 4B (Palawan, Oriental Mindoro), Region 5 (Camarines Norte, Sorsogon, Catanduanes, Masbate, Albay, Camarines Sur), Region 8 (Leyte, Northern Samar, Eastern Samar, Biliran), Region 2 (Cagayan, Isabela, Nueva Vizcaya, Quirino), Region 3 (Nueva Ecija, Pampanga, Aurora, Bulacan, Zambales, Bataan), Region 1 (Pangasinan, La Union, Ilocos Norte), Region 9 (Zamboanga del Sur, Zamboanga Sibugay), CAR (Ifugao, Kalinga), Region 13 (Agusan del Norte, Surigao del Sur, Surigao del Norte, Agusan del Sur), Region 7 (Bohol, Negros Oriental, Siquijor), Region 4A (Quezon, Laguna, Cavite), Region 12 (Sultan Kudarat)

Management Options

- Thorough land preparation
- Practice synchronous planting
- Ensure good drainage
- Field monitoring for early detection
- Avoid excessive nitrogen fertilizer application
- Practice fallow period
- Remove and burn disease stubbles and straws after harvest.
- Maintain field sanitation

4



Courtesy: Rice Knowledge Bank, IRRI (photo)



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RICE BLACK BUG

5

Number of Possible Sites to be Affected = 78

Possible Areas to be Affected

Region 6 (Aklan, Antique, Capiz, Iloilo, Negros Occidental), Region 4B (Oriental Mindoro, Palawan), Region 12 (Sarangani, South Cotabato, Sultan Kudarat), Region 3 (Aurora, Bataan, Bulacan, Nueva Ecija, Pampanga, Tarlac), Region 8 (Biliran, Leyte, Southern Leyte, Samar), Region 5 (Camarines Sur, Sorsogon), Region 4A (Cavite, Batangas, Laguna, Rizal), CAR (Ifugao, Mt. Province), Region 9 (Zamboanga del Norte, Zamboanga City, Zamboanga del Sur), Region 7 (Bohol, Negros Oriental, Siquijor), Region 2 (Nueva Vizcaya), Region 1 (La Union, Pangasinan), Region 10 (Bukidnon)

Management Options

- If more than 5 RBB/hill apply intervention.
- Light trapping 3 days before and after the full moon.
- Increase water level.
- Herding of ducks
- Plow-under in a heavily infested field
- Plow field immediately after harvest
- Community approach application of *Metarhizium anisopliae*
- Field sanitation



Courtesy: Rice Knowledge Bank, IRRI (photo)



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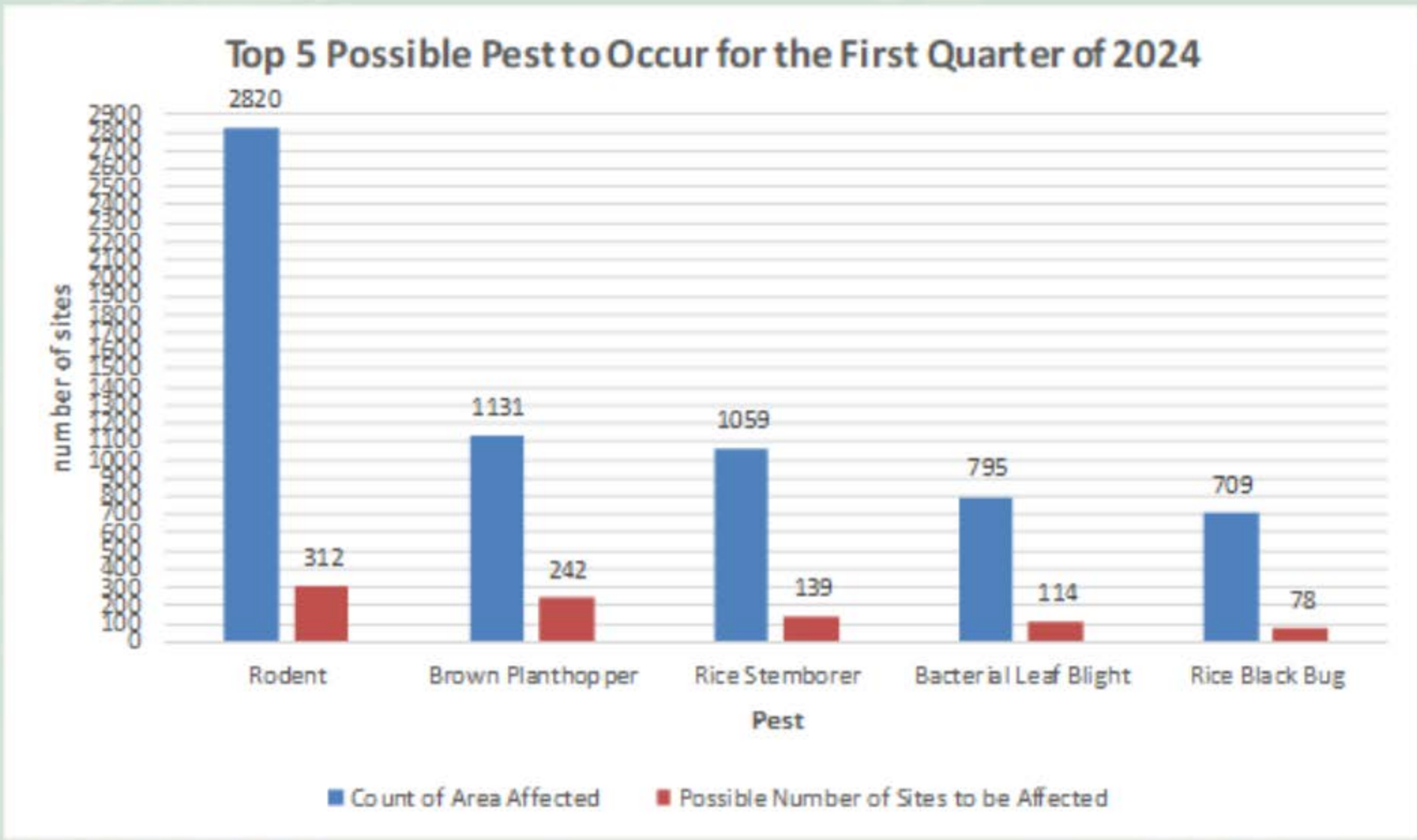


Figure 1. Possible pests of rice to occur for the first quarter of 2024 based on historical data submitted by regions from the year 1993 to 2023. Affected areas may vary depending on pest reports submitted by regions.

Source: BPI-CPMD Plant Health and Pest Status Section



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NATIONAL
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PEST
MANAGEMENT
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Note: As per the result of the analysis from the pest reports submitted by the regions to the Crop Pest Management Division (CPMD), you are hereby encouraged to alert your technical staff and closely monitor the listed areas for possible infestation/infection of these top five (5) pests that historically occur every first quarter of the year.



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