



**POSSIBLE PESTS TO
OCCUR FOR THE
THIRD QUARTER
(JULY-SEPTEMBER)
OF 2023 BASED ON
HISTORICAL DATA**



BACTERIAL LEAF BLIGHT

Number of Possible Sites to be Affected = 145

Possible Areas to be Affected

Region 1 (Pangasinan, Ilocos Sur, La Union, Ilocos Norte), Region 6 (Capiz, Aklan, Iloilo, Antique, Guimaras), Region 5 (Sorsogon, Catanduanes, Camarines Sur, Albay, Camarines Norte), Region 3 (Pampanga, Nueva Ecija, Aurora, Zambales, Bulacan, Tarlac, Bataan), Region 9 (Zamboanga del Sur, Zamboanga Sibugay), Region 2 (Cagayan, Isabela, Quirino, Nueva Vizcaya), CAR (Abra, Mt. Province, Apayao), Region 4-B (Oriental Mindoro, Palawan, Marinduque), Region 7 (Bohol, Negros Oriental), Region 4-A (Quezon, Laguna), BARMM (Maguindanao), Region 8 (Leyte)

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



Courtesy: Rice Knowledge Bank, IRRI (photo)



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(8)-236-0598

BROWN PLANTHOPPER

Number of Possible Sites to be Affected = 191

Possible Areas to be Affected

Region 1 (Ilocos Sur, La Union, Pangasinan, Ilocos Norte), CAR (Ifugao, Kalinga, Apayao, Abra, Mt. Province), Region 4-B (Oriental Mindoro, Palawan, Occidental Mindoro, Marinduque), Region 2 (Isabela, Quirino, Nueva Vizcaya, Cagayan), Region 6 (Capiz, Iloilo, Aklan, Antique, Guimaras) Region 3 (Nueva Ecija, Bulacan, Aurora, Pampanga, Bataan, Tarlac), Region 7 (Cebu, Negros Oriental, Bohol), Region 8 (Leyte), Region 5 (Camarines Sur, Camarines Norte, Catanduanes, Sorsogon), Region 9 (Zamboanga del Sur, Zamboanga del Norte), Region 4-A (Batangas, Quezon), Region 13 (Agusan del Norte)

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)

RODENT

3

Number of Possible Sites to be Affected = 113

Possible Areas to be Affected

Region 6 (Capiz, Iloilo, Aklan, Antique, Guimaras), Region 5 (Sorsogon, Camarines Sur, Catanduanes, Albay, Camarines Norte, Masbate), Region 12 (Sultan Kudarat, North Cotabato, South Cotabato, Sarangani, Cotabato), Region 9 (Zamboanga del Sur, Zamboanga Sibugay), Region 2 (Isabela, Nueva Vizcaya, Cagayan), Region 3 (Nueva Ecija, Aurora, Pampanga, Tarlac, Bulacan, Bataan, Zambales), Region 4-B (Palawan, Marinduque, Oriental Mindoro), Region 1 (Pangasinan, La Union, Ilocos Sur), CAR (Mt. Province), Region 8 (Leyte, Samar), Region 13 (Agusan del Sur, Surigao del Norte), Region 4-A (Quezon), BARMM (Maguindanao), Region 11 (Davao del Sur)

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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RICE STEMBORER

Number of Possible Sites to be Affected = 84

Possible Areas to be Affected

Region 6 (Capiz, Iloilo, Antique, Aklan, Guimaras), Region 9 (Zamboanga del Sur, Zamboanga del Norte, Zamboanga Sibugay), Region 5 (Sorsogon, Catanduanes, Masbate, Camarines Sur, Camarines Norte, Albay), Region 1 (Ilocos Sur, Pangasinan, La Union, Ilocos Norte), Region 12 (Sultan Kudarat, Cotabato, Sarangani, South Cotabato, North Cotabato), Region 3 (Pampanga, Aurora, Nueva Ecija, Zambales, Bulacan, Bataan, Tarlac), CAR (Benguet, Apayao, Ifugao, Mt. Province), Region 4-B (Oriental Mindoro, Palawan, Marinduque), Region 8 (Leyte), Region 2 (Cagayan, Quirino, Isabela, Nueva Vizcaya), Region 7 (Negros Oriental), Region 4-A (Laguna, Quezon, Batangas), BARMM (Maguindanao)

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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RICE BLACK BUG

5

Number of Possible Sites to be Affected = 69

Possible Areas to be Affected

Region 3 (Bulacan, Nueva Ecija, Aurora, Zambales, Bataan, Pampanga, Tarlac), Region 7 (Negros Oriental, Bohol, Cebu), Region 4-B (Palawan, Oriental Mindoro, Occidental Mindoro), Region 6 (Capiz, Iloilo, Antique, Negros Occidental), Region 5 (Sorsogon, Camarines Sur, Catanduanes, Albay, Masbate, Camarines Norte), Region 1 (Pangasinan, Ilocos Sur, La Union), Region 2 (Nueva Vizcaya, Quirino, Isabela, Cagayan), Region 4-A (Cavite, Batangas, Laguna, Quezon), Region 12 (Sultan Kudarat, South Cotabato, Cotabato, North Cotabato, Sarangani), Region 9 (Zamboanga del Sur, Zamboanga del Norte), Region 8 (Samar, Leyte), CAR (Ifugao, Apayao, Abra), Region 13 (Surigao del Norte, Agusan del Norte)

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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NATIONAL
CROP
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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