

Department of Agriculture **BUREAU OF PLANT INDUSTRY**Crop Pest Management Division

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PEST SURVEY DATA OF REGION XI (DAVAO REGION)

April 2023

Monitoring date: April 4-16, 2023

Provinces surveyed: Compostella Valley, Davao City, Davao del Norte, Davao del Sur,

Davao Occidental, and Davao Oriental.

Number of Monitoring fields: 156 monitoring fields (68 at fallow period, 24 just harvested, 9 at land preparation, 2 planted with other crops, and 53 planted with rice.

Rice crop developmental stage: Germination to maturity stage.

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Table 1. List of monitoring fields with ≥10% average incidences on foliar diseases, and injury on panicles and tillers in Davao Region on April 2023.

Field code	Growth stage	Pest	Incidence (%)		
110146	Maturity	Whitehead_stem borer	18.28		
110150	Maturity	Whitehead_stem borer	12.10		
110188	Maturity	Whitehead_stem borer	10.68		
110225	Maturity	Whitehead_stem borer	15.65		
110153	Maturity	Sheath blight	10.00		
110211	Maturity	Sheath blight	13.90		
110229	Dough	Bacterial leaf blast	15.54		



Figure 1. PRIME monitoring fields in Region XI (Davao Region) as of March 2023

April 2023		min	max	Pest incidence (%)	0 <1	1-5 >5
A. FOLIAR DISEASES						
Bacterial leaf blight	9	0.00	5.39	45%	22%	22% 11%
Bacterial leaf streak	9	0.00	2.78			89% 11%
Brown spot	9	0.00	6.40	45%	22%	22% 11%
Leaf blast	9	0.00	3.37	45%	339	% 22%
Red stripe	9	0.00	1.16			89% 11%
B. DISEASE OR PEST INJUR	ON TILLER	RS				
Deadheart	9	0.00	3.27		789	/ ₀ 22%
Sheath blight	9	0.00	9.21	56	% 11% 119	22%
C. DISEASE OR PEST INJUR	ON PANIC	LES				
Neck blast	8	0.00	2.00			87% 13%
Whitehead	8	0.00	18.28	50%	25%	25%
D. SYSTEMIC DISEASE OR P	EST INJURY					
Bugburn	9	0.00	0.00			100%
Hopperburn	9	0.00	0.00			100%
Tungro	9	0.00	0.00			100%
E. INSECT COUNT						
Brown planthopper	9	0.00	0.20			89% 11%
Green leafhopper	9	0.00	0.40		789	% 22%
Rice black bug	9	0.00	0.00			100%
Rice bug	9	0.00	2.33	33% 11%		56%
Rice grain bug	9	0.00	0.30			89% 11%
F. RAT INJURY	9	0.00	12.60		789	% 11% 11%
G. WEED COVER	9	0.00	3.33		67%	33%

Figure 2. Incidence of pest injuries, counts of insect pests, and weed cover in Davao del Norte on April 2023. Horizontal bar shows the proportion of fields in each range of pest injury incidence, insect count or weed cover.



Figure 3. Incidence of pest injuries, counts of insect pests, and weed cover in Davao del Sur on April 2023. Horizontal bar shows the proportion of fields in each range of pest injury incidence, insect count or weed cover.



Figure 5. Incidence of pest injuries, counts of insect pests, and weed cover in Davao Occidental on April 2023. Horizontal bar shows the proportion of fields in each range of pest injury incidence, insect count or weed cover.

April 2023		min	max	Pest incidence (%)	0 <1	1-5 >5
A. FOLIAR DISEASES						
Bacterial leaf blight	10	0.00	0.29		80%	20%
Bacterial leaf streak	10	0.00	0.00			100%
Brown spot	10	0.00	1.48	30%	40%	30%
eaf blast	10	0.00	1.38	40%		50% 10%
Red stripe	10	0.00	0.00			100%
B. DISEASE OR PEST INJUR	Y ON TILLER	5				
Deadheart	10	0.00	7.50		70% 10%	10% 10%
Sheath blight	10	0.00	10.00		70% 10%	20%
C. DISEASE OR PEST INJUR	Y ON PANICL	ES				
Veck blast	3	0.00	2.00		67%	33%
Whitehead	3	2.02	9.33	33%		67%
. SYSTEMIC DISEASE OR P	EST INJURY					
Bugburn	10	0.00	0.00			100%
Hopperburn	10	0.00	0.00			100%
fungro	10	0.00	0.00			100%
E. INSECT COUNT						
Brown planthopper	10	0.00	0.20		80%	20%
Green leafhopper	10	0.00	0.50	6	0%	40%
Rice black bug	10	0.00	0.00			100%
Rice bug	10	0.00	2.00	50% 1	0%	40%
Rice grain bug	10	0.00	0.10			90% 10%
F. RAT INJURY	10	0.00	4.79		80%	20%
G. WEED COVER	10	0.00	0.00			100%

Figure 6. Incidence of pest injuries, counts of insect pests, and weed cover in Compostela Valley on April 2023. Horizontal bar shows the proportion of fields in each range of pest injury incidence, insect count or weed cover.



Figure 7. Incidence of pest injuries, counts of insect pests, and weed cover in Davao City on April 2023. Horizontal bar shows the proportion of fields in each range of pest injury incidence, insect count or weed cover.

April 2023	n	min	max	Pest incidence (%)	0 <1 1-5 >5
A. FOLIAR DISEASES					
Bacterial leaf blight	19	0.00	15.54	47%	11% 16% 26%
Bacterial leaf streak	19	0.00	0.36		79% 21%
Brown spot	19	0.00	2.69	36%	32% 32%
Leaf blast	19	0.00	1.92	5	57% 11% 32%
Red stripe	19	0.00	0.00		100%
B. DISEASE OR PEST INJUR	Y ON TILLER	s			
Deadheart	19	0.00	2.21		95% <mark>5%</mark>
Sheath blight	19	0.00	13.90		69% <mark>5% 26%</mark>
C. DISEASE OR PEST INJURY	Y ON PANICL	ES			
Neck blast	11	0.00	0.00		100%
Whitehead	11	0.00	15.65	46%	36% 18%
D. SYSTEMIC DISEASE OR PI	EST INJURY				
Bugburn	19	0.00	0.00		100%
Hopperburn	19	0.00	0.00		100%
Tungro	19	0.00	0.00		100%
E. INSECT COUNT					
Brown planthopper	19	0.00	0.30		89% 11%
Green leafhopper	19	0.00	0.00		100%
Rice black bug	19	0.00	0.10		95%5%
Rice bug	19	0.00	3.33		68% 32%
Rice grain bug	19	0.00	0.00		100%
F. RAT INJURY	19	0.00	5.28	2	58% 26% 16%
G. WEED COVER	19	0.00	21.67		74% 21% 59

Figure 8. Incidence of pest injuries, counts of insect pests, and weed cover in Davao Oriental on April 2023. Horizontal bar shows the proportion of fields in each range of pest injury incidence, insect count or weed cover.