

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

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PEST SURVEY DATA OF REGION XII (SOCCSKSARGEN) April 2023

Monitoring date: April 3-15, 2023

Provinces surveyed: North Cotabato, Sarangani, South Cotabato, and Sultan Kudarat. **Number of Monitoring fields:** 203 monitoring fields (96 at fallow period, 7 just harvested, 42 at land preparation, 20 planted with other crops, and 38 planted with rice) **Rice crop developmental stage:** Germination to maturity stage.

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Table 1. List of monitoring fields with $\geq 10\%$ average incidences on foliar diseases, and injury on panicles in SOCCSKSARGEN on April 2023.

Field code	Growth stage	Pest	Incidence (%)
120011	Maturity	Whitehead_stem borer	11.67
120191	Tillering	Brown spot	11.49

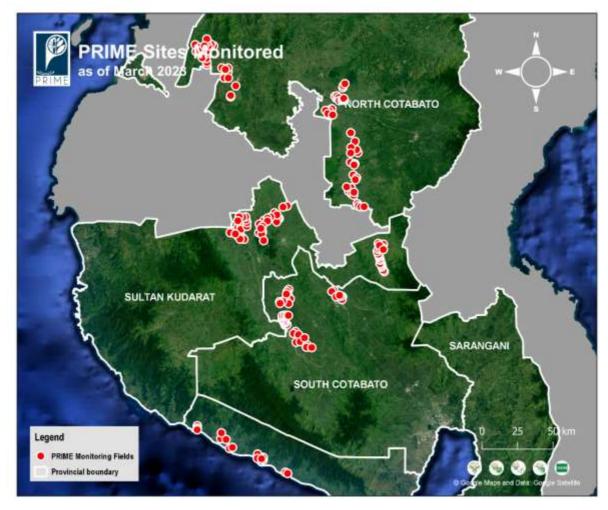


Figure 1. PRIME monitoring fields in Region XII (SOCCSKSARGEN) as of March 2023.

April 2023	n	min	max	Pest incidence (%)	d 41 1	-5 >5
A. FOLIAR DISEASES						
Bacterial leaf blight	5	0.00	0.00			100%
Bacterial leaf streak	5	0.00	0.00			100%
Brown spot	5	0.00	0.77		60%	40%
Leaf blast	5	0.00	0.00			100%
Red stripe	5	0.00	0.00			100%
B. DISEASE OR PEST INJUR	ON TILLER	s				
Deadheart	5	0.00	6.64	40%	40%	20%
Sheath blight	5	0.00	0.00			100%
C. DISEASE OR PEST INJURY	ON PANICL	ES				
Neck blast	1	0.00	0.00			100%
Whitehead	1	2.55	2.55			100%
D. SYSTEMIC DISEASE OR PI	EST INJURY					
Bugburn	5	0.00	0.00			100%
Hopperburn	5	0.00	0.00			100%
Tungro	5	0.00	0.00			100%
E. INSECT COUNT						
Brown planthopper	5	0.00	0.00			100%
Green leafhopper	5	0.00	0.00			100%
Rice black bug	5	0.00	0.00			100%
Rice bug	5	0.00	0.00			100%
Rice grain bug	5	0.00	0.00			100%
F. RAT INJURY	5	0.00	0.00			100%
G. WEED COVER	5	0.00	3.33	20%		80%

Figure 2. Incidence of pest injuries, counts of insect pests, and weed cover in Sarangani 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 (%)	1-5 >5
A. FOLIAR DISEASES					
Bacterial leaf blight	12	0.00	1.25		92% 8%
Bacterial leaf streak	12	0.00	0.00		100%
Brown spot	12	0.00	8.80	50%	33% 17%
Leaf blast	12	0.00	0.92		83% 17%
Red stripe	12	0.00	0.00		100%
B. DISEASE OR PEST INJUR	Y ON TILLER	5			
Deadheart	12	0.00	5.89	59% <mark>8%</mark>	25% 8%
Sheath blight	12	0.00	0.00		100%
C. DISEASE OR PEST INJUR	Y ON PANICL	ES			
Neck blast	2	0.00	0.00		100%
Whitehead	2	9.50	11.67		100%
D. SYSTEMIC DISEASE OR P	EST INJURY				
Bugburn	12	0.00	0.00		100%
Hopperburn	12	0.00	0.00		100%
Tungro	12	0.00	0.00		100%
E. INSECT COUNT					
Brown planthopper	12	0.00	0.00		100%
Green leafhopper	12	0.00	0.00		100%
Rice black bug	12	0.00	0.40		92% 8%
Rice bug	12	0.00	4.67		92% 8%
Rice grain bug	12	0.00	0.00		100%
F. RAT INJURY	12	0.00	0.00		100%
G. WEED COVER	12	0.00	3.33	50%	50%

Figure 3. Incidence of pest injuries, counts of insect pests, and weed cover in Sultan Kudarat 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	13	0.00	0.00	100%
Bacterial leaf streak	13	0.00	0.00	100%
Brown spot	13	0.00	11.49	53% 8% 31% 8%
Leaf blast	13	0.00	0.81	77% 23%
Red stripe	13	0.00	0.00	100%
B. DISEASE OR PEST INJUR	Y ON TILLER	5		
Deadheart	13	0.00	6.35	84% 8% 8%
Sheath blight	13	0.00	0.00	100%
C. DISEASE OR PEST INJUR	Y ON PANICL	ES		
Neck blast	3	0.00	0.00	100%
Whitehead	3	2.16	5.49	67% 33%
D. SYSTEMIC DISEASE OR PI	EST INJURY			
Bugburn	13	0.00	0.00	100%
Hopperburn	13	0.00	0.00	100%
Tungro	13	0.00	0.00	100%
E. INSECT COUNT				
Brown planthopper	13	0.00	0.00	100%
Green leafhopper	13	0.00	0.20	92% 8%
Rice black bug	13	0.00	0.30	92% 8%
Rice bug	13	0.00	1.00	69% <mark>23%8%</mark>
Rice grain bug	13	0.00	0.00	100%
F. RAT INJURY	13	0.00	0.00	100%
G. WEED COVER	13	0.00	56.67	54% 38% 8%

Figure 4. Incidence of pest injuries, counts of insect pests, and weed cover in South Cotabato on April 2023. Horizontal bar shows the proportion of fields in each range of pest injury incidence, insect count or weed cover.

April 2023	O	min	max	Pest incidence (%)	4 1	-5 >5
A. FOLIAR DISEASES						
Bacterial leaf blight	9	0.00	0.91		67%	33%
Bacterial leaf streak	9	0.00	0.00			100%
Brown spot	9	0.00	2.20	45% 11	Va	44%
Leaf blast	9	0.00	0.65		78%	22%
Red stripe	9	0.00	0.00			100%
B. DISEASE OR PEST INJURY	ON TILLER	s				
Deadheart	9	0.00	5.89	56	% 11% 2	2% 11%
Sheath blight	9	0.00	0.00			100%
C. DISEASE OR PEST INJURY	ON PANICL	ES				
Neck blast	4	0.00	0.00			100%
Whitehead	4	5.04	8.46			100%
D. SYSTEMIC DISEASE OR PE	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	0.50		8	9% 11%
Green leafhopper	9	0.00	0.00			100%
Rice black bug	9	0.00	0.50	56	%	44%
Rice bug	9	0.00	1.00		78%	22%
Rice grain bug	9	0.00	0.00			100%
F. RAT INJURY	9	0.00	0.00			100%
G. WEED COVER	9	0.00	5.00	44%		56%

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