



# The MOST PROFITABLE Option for Rice Stink Bug Control

## TENCHU 20SG:

- Kills Pyrethroid Resistant RSB
- Provides Quick Knock Down
- Highly Systemic- Application Forgiveness
- Anti-Feeding At Sub-Lethal Residual Levels - **Prevents Peck Damage**
- >10 -14 Day Residual Control



For several years; Pyrethroid resistant (Pyr-R) Rice Stink Bug (RSB) have been prevalent in Texas, making TENCHU® 20SG a dominant choice for RSB control. Pyr-R RSB have now rapidly become prevalent in Arkansas, Louisiana, Mississippi as well. Entomologists have been documenting this rise in resistance, and a need to implement an alternative treatment program to control and prevent damage caused by RSB.

University research and commercial use has consistently shown TENCHU to be a great option

for RSB control. The objection has been the cost of TENCHU compared to an economical pyrethroid based insecticide such as L-Cy or Mustang® Maxx.

Capturing quantitative scientific data on quality loss (pecky rice) has been a challenge for universities over the past seven years. To address this data-gap, Dr. Bateman (Univ. of Arkansas) brought on a Graduate Research Assistant to capture data to document the relevance of RSB control on pecky rice prevention with commercial insecticides. Rice was evaluated using the U.S. grading system in reference to percent peck. Docking amounts, based on USDA grade number, were assessed.

	Rate Oz/Ac	Est. Cost per Treatment \$/Ac	Cost per Airplane (\$3 GPA)	Total Grower Cost for RSB/Ac	% Peck	U.S. Grade	Mill Dockage \$/Acre (200 Bu/Ac avg.)	Total Grower Cost \$	ROI to the Grower \$/Ac
Untreated	--	--	--	--	4.0	No. 4	\$60	60.00	0
<b>TENCHU 20SG</b>	8.0	\$11.00	\$8.00	\$19.00	1.2	No. 1	\$0	\$19.00	<b>\$41.00</b>
L-Cy	3.65	\$5.50	\$8.00	\$13.50	2.8	No. 3	\$30	\$43.50*	\$16.50
Mustang Maxx	4.0	\$6.15	\$8.00	\$14.15	3.1	No. 3	\$30	\$44.15*	\$15.85
Carbaryl	32	16.75	\$8.00	\$24.75	1.9	No. 2	\$10	\$34.75*	\$25.25
Malathion	32	11.25	\$8.00	\$19.25	2.6	No. 3	\$30	\$49.25*	\$10.75

\*NOTE: Data do not capture cost of:

- Second application for pyrethroid that failed
- Damage or kernel abortion early on that resulted in actual yield loss

The table above summarizes statistically significant results from six trials conducted during 2021 and 2022. The data clearly shows, although the total application cost of TENCHU is about \$5.00/ac more than a pyrethroid, the **actual ROI to growers applying TENCHU is about \$25.00/ac more!**

**TENCHU's quick knock down, longer window of control and residual time for anti-feeding, all lead to increased yield, higher quality rating, greater ROI to the grower AND peace of mind for the consultant!**

Manufactured By: MITSUI CHEMICALS CROP & LIFE SOLUTIONS, INC.