



The Dollars & Sense of TENCHU® vs. L-Cy

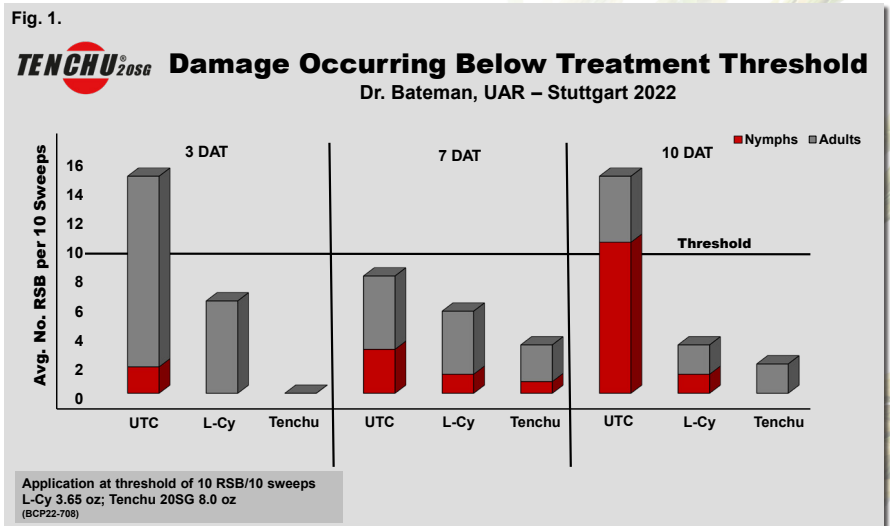
Choosing to Save \$ Upfront Can Cost You At The Mill

The 2024 rice production window is closing but there may be some late planted acres that need protection from RSB damage. Growers may think; "I have already spent my budget for the year so should I apply a cheap pyrethroid and get 50-60% control to keep below threshold, or should I apply TENCHU 20SG that has much greater, longer residual control and anti-feeding activity to prevent peck damage?"

University of Arkansas (Dr. Bateman) conducted numerous trials over a two-year period to provide answers to growers. Average of all trials over two years demonstrated that TENCHU 20SG 8.0oz/ac resulted in \$41/ac ROI to grower vs only \$16.50/ac for 3.65oz/ac of L-Cy.

Trials were conducted under both low and high populations. Fig. 1 shows the results from a single trial conducted in Stuttgart, AR in 2022 that had a RSB population right at threshold at time of application.

L-Cy resulted in 50-60% control and kept the population below threshold; however peck-damage was still occurring. TENCHU resulted in quick, superior control. As these were small-plot research trials, RSB could fly-in from adjacent plots. The peck-damage ratings clearly show no additional feeding after TENCHU was applied, thus; leading to less peck damage.



This example clearly reveals that applying L-Cy to a moderate RSB population resulted in a negative \$13.50/ac ROI because of quality ratings. At the same time, it demonstrates a positive \$31.00/ac ROI; with all the cost of TENCHU already factored in. Note the different alphabetical letters beside the %Peck ratings in the table. If they have different letters, it means they were statistically different indicating that these results could be reproduced with 95% probability.

% RSB PECKY RICE			U.S. Grade	Mill Dockage \$/Acre (200 Bu/Ac avg.)	Total Grower Cost/Acre	ROI to the Grower \$/Acre
Untreated	5.9	a	No. 4	\$60	\$60.00	0
L-Cy	5.0	ab	No. 4	\$60	\$73.50	-\$13.50
TENCHU ^{20SG}	1.6	c	No. 2	\$10	\$29.00	\$31.00

Rice milling quality is almost as important as yield so don't gamble with a cheap pyrethroid over investing a few more dollars for a much higher ROI at the mill!

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