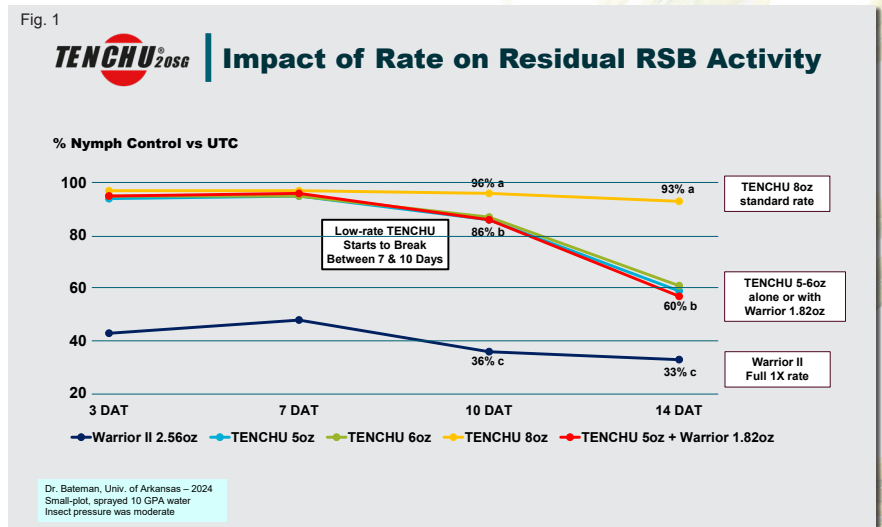




Reduced Rate for Crop Termination Window

In response to comments from growers and crop consultants regarding the high cost of the full 1X rate of TENCHU® (8oz/ac) at crop termination, when only 7-10 days residual rice stink bug (RSB) control is necessary, Dr. Bateman (University of Arkansas Rice Extension Entomologist) initiated field studies to evaluate efficacy of lower rates of TENCHU alone and in combination with lambda-cyhalothrin.

Figure 1 shows the results of a field trial evaluating lower rates of TENCHU (5 and 6ozs) compared to the standard 8oz rate [proven to achieve 21-day residual control] applied late season. The data clearly shows that the full 1X rate of lambda-cyhalothrin (Warrior II) achieved less than 50% control. The 5 & 6oz rates of TENCHU achieved 95% control through 7 days then started to significantly decline over time. The reduced rates will probably break even more when applied aerially vs 10GPA in this small plot backpack trial. The full 1X rate (8oz) remained steady at >90% control through the last evaluation at 14 days. There was no difference between the 5 and 6oz rates. The data also shows adding a 1/2 rate of lambda-cyhalothrin to lower rate of TENCHU did not increase control.



Dr. Bateman's research defines specific TENCHU rate recommendations based upon crop development stage of the crop (see Figure 2). The 1X rate applied early will provide 21 days of control and you can just about walk away. If RSB populations develop late or if heavy rain events cause kernels to soften, a 5oz rate of TENCHU will provide protection. Note 7 Day PHI for TENCHU vs 21 days for lambda-cy.

Fig. 2

TENCHU^{20SG} Reduced Rate for Protection During Crop Termination

- Reduced cost from \$11.50 to \$7.20
- Can make two applications if necessary
- University research proven reduced rate timing
- 7 Day PHI vs 21 days for pyrethroid

50-60% straw-colored kernels:
-If RSB >12-15/10 sweeps
-If heavy rain front to soften kernels

5oz = 7-10 days

2-2.5 weeks into heading:

-RSB 10/10 sweeps

8oz = 14-21 day residual



Summary:

If necessary, in some unusual circumstances, two applications of TENCHU are allowed with a maximum of 21oz/ac applied. Choosing to apply TENCHU over rice treated with a pyrethroid the first application reduces the risk of a population resurgence, because pyrethroid only achieved 50% control, and having to incur the cost of a second application (insecticide and airplane).

Spray TENCHU Once, and Kill Future Migrations of RSB!

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