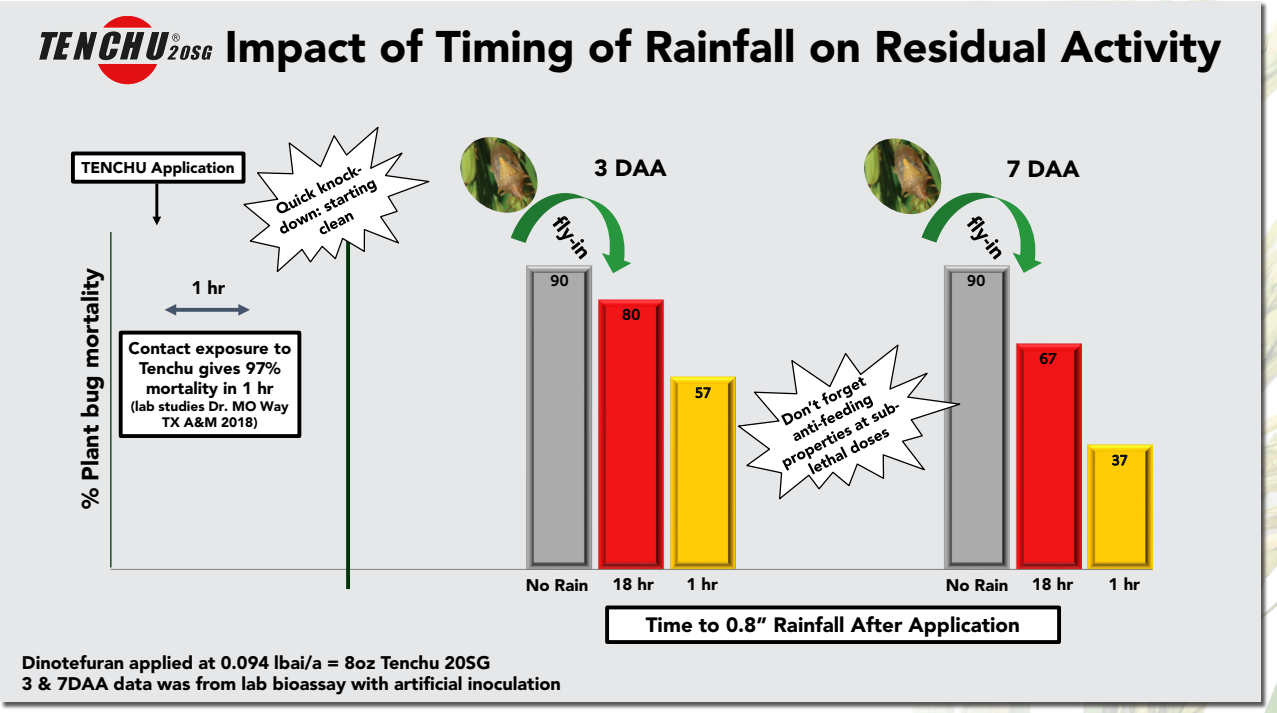
Technical Bulletin

TENCHU® 20SG Impact of Rainfall on Residual Activity

Field reports have indicated great initial knock-down of Rice Stink Bug (RSB) when TENCHU® was applied shortly before a significant rain event. However, the length of residual control was less than expected. In response to this feedback from the field, and to provide better recommendations for timing of application of TENCHU, a rice greenhouse study was conducted. Based upon these results and knowledge from Japanese commercial use, we have fine-tuned the recommendations for TENCHU around rain events.



RECOMMENDATIONS

- Wait until after the rain event and apply as soon as possible. It is okay to apply to wet leaves after the rain event (common practice in Japanese production).
- If not possible to wait, start application allowing for a window of at least an hour, but 3-4 hours are preferred. It is ok to apply to leaves with dew/moisture. Knock-down activity will quickly control adults and nymphs to below economic injury threshold. Residual control of subsequent reinfestations will be reduced by the timing of the rain event, however, sub-lethal residue will still provide anti-feeding properties.

RSB that come into direct contact with TENCHU will die within an hour and get your counts below threshold. If you have at least an hour before rain, some of the active ingredient will have had time to translocate within the plant to provide a moderate level of residual control. TENCHU has anti-feeding properties with a sub-lethal dose; even though it may not kill them, it can still prevent them from feeding. During the 4-5 days it can take a tropical system to move out, TENCHU still provides a moderate level of RSB control and reduced feeding. After the system moves out, make another application of TENCHU and finish out the crop cycle.

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

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