

Samurai wasp (Trissolcus japonicus)

Natural Enemy of the Brown Marmorated Stink Bug







E. Talamas



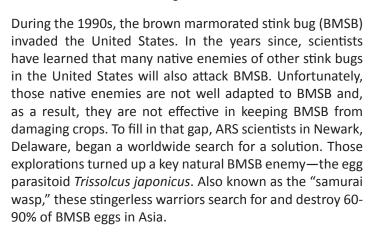
B. Cutting



K. Hoelmer



E. Talamas





Research underway at quarantine laboratories in Newark and elsewhere is determining how suitable the wasp is for release in the United States. Those studies show that the wasp specializes in attacking only certain kinds of stink bugs, like BMSB. Before regulatory permission could be obtained for their release in the United States, surveys conducted during 2014-2015 detected the wasp's presence in several U.S. locations. Genetic matching studies showed that these wasps were different from the ones under ARS quarantine. Although we don't know how it arrived, the "samurai wasp" made its way to the United States naturally and has continued to spread to new locations. As of 2016, the wasp was found in nine U.S. States. Plans are underway in some of these States to rear large numbers of these warrior wasps in laboratories in order to release them and protect key U.S. agricultural crops from BMSB damage.

For further information, contact:

Kim A. Hoelmer / Research Entomologist / Kim.Hoelmer@ars.usda.gov Kathy Tatman / Biological Science Technician / Kathleen.Tatman@ars.usda.gov