



Pest e-alerts



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Oklahoma Receives Registrations for Two Sugarcane Aphid Insecticides

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Oklahoma sorghum producers now have two new insecticide options available to them as they prepare to battle the sugarcane aphid this summer. The trade names of these two insecticides are Sivanto™ 200 SL, manufactured by Bayer CropScience, and Transform™ WG, manufactured by Dow Agrosiences.

The Oklahoma Department of Agriculture, Food and Forestry announced on March 30, 2015, that Transform™ was granted a Section 18 emergency registration by the Environmental Protection Agency, effective from March 27 to October 31, 2015, for use in sorghum to control

sugarcane aphid. Transform™ is formulated as a wettable granule and can be applied at 0.75 to 1.5 oz. per acre.

A Section 18 emergency registration allows use of a pesticide that has not yet received a full Federal label, but is needed to avert an emergency. In this case, our research conducted at Oklahoma State showed that the sugarcane aphid could reduce sorghum grain yields by 25% or more. Our research also showed that the insecticides currently registered for aphid control in sorghum provided poor to fair control (0 to 50% control) of the sugarcane aphid while Transform™ provided excellent (greater than 90+% control). Finally, our data also showed that Transform™ provided longer residual control (up to 14 days or more) compared to other registered products which provided no control after 14 days.

Sivanto™ 200 SL received a 2ee registration for use in sorghum on January 25, 2015 in the states of Florida, Georgia, Kansas, Louisiana, Mississippi, Missouri, Oklahoma and Tennessee to control the sugarcane aphid at a rate of 4.0 to 7.0 fluid ounces per acre. A 2ee label allows a product to be applied on a registered crop (in this case, sorghum) at a rate lower than the original recommended application rate listed on the federal label.

Sivanto™ was originally labeled for use in sorghum at a rate of 7.0-10.5 fluid ounces per acre. While we have not tested it in Oklahoma for control of sugarcane aphid, trials that were conducted in other states showed that Sivanto™ provided control of sugarcane aphid equivalent to that of Transform™ at the lower rates of 4.0 to 7.0 fluid ounces per acre. These lower rates should make it more economically competitive with other registered products. We (our sorghum team) plans to test Sivanto™ for sugarcane aphid control at the lower rates so we have data generated in Oklahoma to support our recommendations.

These labels are legal documents. All application directions, restrictions and precautions on the label for these two products are to be followed.

Dr. Richard Grantham - Director, Plant Disease and Insect Diagnostic Laboratory

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