



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 Agrosciences.

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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Bayer CropScience

**Bayer CropScience LP
P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709
1-866-99BAYER (1-866-992-2937)**

Sivanto 200 SL

EPA Reg. No. 264-1141

Reduced rates for foliar applications in Sorghum in control of Sugarcane Aphid.

PRODUCT BULLETIN

FOR DISTRIBUTION AND USE ONLY IN THE STATES OF FLORIDA, GEORGIA, KANSAS, LOUISIANA, MISSISSIPPI, MISSOURI, OKLAHOMA AND TENNESSEE

FIFRA Section 2(ee) Recommendation: This recommendation is made as permitted under FIFRA Section 2(ee) and has not been submitted to or accepted by the U.S. Environmental Protection Agency. This product bulletin should be in the possession of the user at the time of pesticide application. Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the EPA registered label.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

SORGHUM – FOLIAR

Pest Controlled	Product Rate (fl oz/A)
Sugarcane Aphid	4.0 – 7.0
Foliar Application Restrictions: Pre-Harvest Interval (PHI): 7 days - forage or sweet corn; 21 days - dried grain, stover or straw Minimum interval between applications: 7 days Minimum application volumes: 10 gallons/Acre (Ground); 2 gallons/Acre (Aerial) Maximum SIVANTO 200 SL allowed per year: 28.0 fluid ounces/Acre (0.365 lb AI/Acre).	

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

As with any crop-protection product, always read and follow label directions.

For additional information call toll-free 1-866-99BAYER (1-866-992-2937)

Sivanto is a trademark of Bayer.



Transform® WG

EPA Reg. No. 62719-625

For Control of Sugarcane Aphid (*Melanaphis sacchari*) in Sorghum

Section 18 Emergency Exemption

File symbol: 15OK01

FOR DISTRIBUTION AND USE ONLY IN OKLAHOMA UNDER SECTION 18 EMERGENCY EXEMPTION

This Section 18 Emergency Exemption is effective March 27, 2015 and expires October 31, 2015.

- This labeling must be in the possession of the user at the time of application.
- It is in violation of federal law to use this product in a manner inconsistent with its labeling.
- All application directions, restrictions, and precautions on the registered product label for Transform WG (EPA Reg. No. 62719-625) are to be followed.
- Any adverse effects resulting from the use of Transform WG under this emergency exemption must be immediately reported to the Oklahoma Department of Agriculture Food and Forestry.

Directions for Use

Pests and Application Rates:

Pests	Transform WG (oz/acre)	Comments
Sugarcane aphid	0.75 – 1.5 (0.023 – 0.047 lb ai/acre)	Use a higher rate in the rate range for heavy pest populations.

Application Timing: Treat in accordance with local economic thresholds. Consult your Dow AgroSciences representative, cooperative extension service, certified crop advisor or state agricultural experiment station for any additional local use recommendations for your area.

Application Method: Control of sugarcane aphid may be contingent on thorough coverage to the crop. Use sufficient water to get full coverage of the canopy. It is recommended that a minimum of 5 gallons of water be applied by air.

Restrictions:

- **Preharvest Interval:** Do not apply within 14 days of grain or straw harvest or within 7 days of grazing, or forage, fodder, or hay harvest.
- A restricted entry interval (REI) of 24 hours must be observed.
- Do not make more than two applications per acre per year.
- **Minimum Treatment Interval:** Do not make applications less than 14 days apart.
- Do not apply more than a total of 3.0 oz of Transform WG (0.09 lb ai of sulfoxaflor) per acre per year.

Environmental Hazards

This product is highly toxic to bees exposed through contact during spraying and while spray droplets are still wet. This product may be toxic to bees exposed to treated foliage for up to 3 hours following application. Toxicity is reduced when spray droplets are dry.

Risk to managed bees and native pollinators from contact with pesticide spray or residues can be minimized when applications are made before 7:00 am or after 7:00 pm local time or when the temperature is below 55 degrees F at the site of application.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

®™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

R396-045

Approved: 03/27/15

Replaces R396-017