



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

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**Date Issued:** JAN - 7 2005  
**Interim**  
**Reports Due:** December 1, 2005  
December 1, 2006  
**Final Report Due:** June 1, 2008  
**Expiration Date:** December 1, 2007  
**File Symbol:** 04-MS-21

The Environmental Protection Agency hereby grants a quarantine exemption under the provisions of section 18 of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to the Mississippi Department of Agriculture & Commerce (MDAC) for the use of trifloxystrobin, co-formulated with propiconazole as the product Stratego (EPA Reg. No. 264-779), on soybeans to control soybean rust.

On November 10, 2004, U.S. Department of Agriculture's Animal and Plant Health Inspection Service (USDA/APHIS) confirmed the presence of *Phakopsora pachyrhizi*, the pathogen that causes soybean rust, on soybean leaf samples taken from two plots associated with a Louisiana State University research farm. Because *P. pachyrhizi* has now been found in the continental United States, all existing EPA-approved section 18s for soybean rust, including this one, are released for implementation in Mississippi as the MDAC feels is appropriate. This quarantine exemption is subject to the conditions set forth in your request, as well as the following conditions and restrictions:

1. The Mississippi Department of Agriculture & Commerce is responsible for ensuring that all provisions of this quarantine exemption are met. It is also responsible for providing a report about the results and effectiveness of this exemption on an annual basis in accordance with 40 CFR 166.32. This information must be submitted to EPA headquarters and the EPA regional office.
2. The registered product, Stratego Fungicide (EPA Reg. No. 264-779), manufactured by Bayer CropScience, may be applied. All applicable directions, restrictions, and precautions on the submitted section 18 use directions (as modified) as well as the EPA-registered product label must be followed.

Because trifloxystrobin is a strong dermal sensitizer, the section 18 use directions must be modified by adding a requirement for chemical-resistant gloves for mixers/loaders. Also, due to this concern, the section 18 use directions must include the following statement: "Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals."

3. As stated in your request, a maximum of two total applications using approved section 18 products collectively will be made under this soybean rust section 18. This includes those products that are already approved for soybean rust under section 18 as well as those which may be approved for use at a later date.

Should growers include trifloxystrobin in their treatment program, a maximum of two applications of Stratego may be made by ground or air at a rate of 5.5 to 10 fluid ounces of product per acre (0.044 to 0.081 pounds of a.i./acre).

4. A restricted entry interval (REI) of 24 hours and a pre-harvest interval (PHI) of 21 days will be observed.
5. A maximum of 1 million acres of soybeans may be treated in Mississippi under the soybean rust emergency exemption.
6. This use of trifloxystrobin on soybeans is not expected to adversely affect human health. The available data support a time-limited tolerance of 0.04 ppm in soybean seed, 4.0 ppm on soybean forage, and 6.5 ppm on soybean hay. Time-limited tolerances will be established at these levels.
7. Trifloxystrobin is toxic to fish and aquatic invertebrates. The federal label and the section 18 use directions both have the following advisory statement under the "Environmental Hazards" section that mitigates this concern:

"This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high

water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water or rinsate.”

8. The Agency believes that no federally listed threatened or endangered species are likely to be adversely affected by this use of trifloxystrobin.

Any future correspondence in connection with this exemption should refer to file symbol 04-MS-21.



Lois Rossi, Director  
Registration Division  
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Date: 1-7-05

cc: U.S. EPA Region 4  
Lora Lee Schroeder

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