



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Texas Department of Agriculture  
P.O. Box 12847  
Austin, TX 78711

**Effective Date:** MAR 03 2019  
**Expiration Date:** November 9, 2021  
**Interim Reports Date:** November 9, 2019  
November 9, 2020  
**Final Report Due Date:** May 9, 2022  
**File Symbol:** 19TX03

**Attn:** Kevin Haack

The Environmental Protection Agency hereby issues a quarantine exemption under the provisions of Section 18 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended, to the Texas Department of Agriculture for the use of thiamethoxam (CAS No. 153719-23-4), on rice to control the rice delphacid in Texas. This quarantine exemption is subject to the conditions set forth in your request dated November 27, 2018 and revised on December 6, 2018, as well as the following conditions, modifications and restrictions:

1. The Texas Department of Agriculture (TDA) is responsible for ensuring that all provisions of this quarantine exemption are met. TDA is responsible for providing information in accordance with 40 CFR 166.32(b). Accordingly, a final report summarizing the results of this program must be submitted to EPA headquarters and the EPA region 6 office within 6 months following the expiration of this exemption or prior to requesting another quarantine exemption for this use. In accordance with 40 CFR 166.32(a) these offices shall also be immediately informed of any adverse effects resulting from the use of this pesticide in connection with this exemption. Additionally, interim use reports must be submitted to the EPA headquarters and regional office on an annual basis, as set forth above.
2. The registered product, Endigo<sup>®</sup> ZC Insecticide (EPA Reg. No. 100-1276, containing 12.60% thiamethoxam and 9.48% lambda-cyhalothrin) manufactured by Syngenta Crop Protection, LLC., may be applied. All applicable directions for use, restrictions, and precautions on the EPA-registered product label including Worker Protection Standards must be followed, as well as those outlined on the Section 18 use directions submitted with your request, unless otherwise modified in this authorization document.
3. Three (highest rate) to four (lowest rate) foliar applications of Endigo<sup>®</sup> ZC Insecticide may be made by ground or aerial equipment, at a rate of 4.5 - 6.0 fl. oz./A/application (0.041 - 0.055 lb. thiamethoxam and 0.031 - 0.041 lb. lambda-cyhalothrin) not to exceed an annual maximum application rate of 18.5 fl. oz./A/year (0.171 lb. of thiamethoxam and 0.127 lb of lambda-cyhalothrin).
4. A 14-day pre-harvest interval (PHI), a 5-day retreatment interval (RTI) and a 24-hour restricted entry interval (REI) must be observed.

5. To reduce risks to bees due to spray drift, the area within 100 feet of the edge of the field (paddy) must be kept free of flowering weeds.
6. A maximum of 190,000 acres of commercial rice fields may be treated in the following Texas counties: Austin, Brazoria, Calhoun, Chambers, Colorado, Fort Bend, Galveston, Harris, Jackson, Jefferson, Lavaca, Liberty, Matagorda, Victoria, Waller, and Wharton.
7. Applications made in accordance with the above provisions are not expected to exceed combined residues of thiamethoxam, including its metabolites and degradates, in or on rice, grain at 6.0 ppm and rice, straw at 2.0 ppm. Time-limited tolerances will be established to cover residues of thiamethoxam under 40 CFR §180.565(b). The Agency has determined this level is adequate to protect public health.
8. Section 18 use of thiamethoxam on rice results in potential clothianidin (a major metabolite of thiamethoxam) residues, that when combined with the residues from the Section 3 use of clothianidin on rice, require an increase in the tolerance for residues of clothianidin in rice. Therefore, applications made in accordance with the above provisions are not expected to exceed combined residues of clothianidin in or on rice, grain at 0.50 ppm. Time-limited tolerances will be established to cover residues of clothianidin under 40 CFR §180.586(b). The Agency has determined this level is adequate to protect public health.

This is the second instance that a Section 18 has been requested for the use of thiamethoxam (co-formulated with lambda-cyhalothrin) on rice to control rice delphacid by the TDA. The registrant, Syngenta Crop Protection, LLC, has a Section 3 registration pending with the Agency for this use. This quarantine emergency exemption will allow this use to be effective for three years, with an expiration date of November 9, 2021.

Any future correspondence in connection with this exemption should refer to file symbol: 19TX03.

If you have any questions with respect to this authorization, please contact Emergency Response Team member, Tamica Cain at (703) 347-8110; [cain.tamica@epa.gov](mailto:cain.tamica@epa.gov) or the Emergency Response Team Leader, Tawanda Maignan at (703) 308-8050; [maignan.tawanda@epa.gov](mailto:maignan.tawanda@epa.gov).



Richard P. Keigwin, Jr., Director  
Office of Pesticide Programs

Date: 3/3/2019

cc: USEPA Region 6- Regional Coordinators, Jeffrey Lammers and Gerardo Acosta  
USEPA Regional 6 Tribal Coordinator, Elizabeth Reyes