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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

North Carolina Department of Agriculture
and Consumer Services
1001 Mail Service Center
Raleigh, NC 27699

Date Issued: June 20, 2014
Expiration Date: October 15, 2014
Report Due: April 15, 2015
File Symbols: 14-NC-04 (apple), -05 (peach), & -06 (nectarine)

Attn: Lee Davis

The Environmental Protection Agency hereby issues specific exemptions under the provisions of section 18 of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to the North Carolina Department of Agriculture and Consumer Services for use of bifenthrin on apple, peach, and nectarine to control brown marmorated stink bug (BMSB).

The North Carolina Department of Agriculture and Consumer Services re-certified that the emergency conditions still exist and that there were no changes to the use directions as approved in the last authorization dated June 7, 2013, including the use rates and type of application. These exemptions are subject to the conditions set forth in your request dated May 6, 2014, as well as the following conditions, modifications, and restrictions below:

1. The North Carolina Department of Agriculture and Consumer Services (NCDACS) is responsible for ensuring that all provisions of these specific exemptions are met. NCDACS is also responsible for providing information in accordance with 40 CFR 166.32(b). Accordingly, a report summarizing the results of this program must be submitted to EPA Headquarters and the EPA Regional office within 6 months following the expiration of these exemptions, or prior to requesting subsequent specific exemptions for these uses. 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 these exemptions. Any future correspondence regarding these exemptions should refer to file symbols 14-NC-04, -05, and -06.

2. The registered products, Brigade WSB (10% bifenthrin, EPA Reg. No. 279-3108) manufactured by FMC Corporation; Bifenture EC (25% bifenthrin, EPA Reg. No. 70506-57); and Bifenture 10DF (10% a.i., EPA Reg. No. 70506-227), both manufactured by United Phosphorus, Inc. may be applied.

3. Applications must be made post-bloom, by ground only, at a rate of 0.08 to 0.2 lb. active ingredient bifenthrin (a.i.) per acre; no more than 0.5 lb. a.i. per acre may be applied per year; multiple applications may be made at a minimum of 30 day intervals; a restricted entry interval (REI) of 12 hours and pre-harvest interval (PHI) of 14 days must be observed.

4. All applicable directions, restrictions, and precautions on the EPA-registered product labels, as well as those outlined on the section 18 use directions referenced in your request, must be followed.

5. A maximum of 4,000 acres of apple, peach, and nectarine may be treated under these specific exemptions.

6. These exemptions expire October 15, 2014.

7. Residues of bifenthrin resulting from applications made in accordance with these exemptions are not expected to exceed 0.5 ppm in/on apple, peach, or nectarine. Time-limited tolerances were established in connection with past exemptions at 40 CFR 180.442, have expiration dates of December 31, 2015, and will be adequate to cover any residues resulting from these exemption uses.

8. To help minimize exposure to pollinators, the following statement on the application timing must be observed: "Do not apply this product until after petal fall."

9. To mitigate risks to aquatic organisms, section 3 product label requirements must be strictly followed. For ground applications (the only method allowed under this exemption) 10 ft vegetative buffer strip, or 25 ft buffer zone is required between the site of application and adjacent bodies of water. Recommendations on the section 3 product labels regarding droplet size, wind direction and speed, temperature inversions, and other factors affecting off-site drift or runoff of bifenthrin must also be carefully followed.

10. In addition, the following statements from the section 3 labels are reiterated:

This pesticide is extremely toxic to fish and aquatic invertebrates. Use with care when applying in areas adjacent to any body of water. 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 make applications when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species.

This is the third year emergency exemption requests have been made for the uses of bifenthrin on apple, peach, and nectarine. IR-4 is working with the registrants to support registration of these uses, and conducted residue trials in 2013 with additional trials scheduled for 2014. Therefore, progress toward registration has been adequate. Any repeat exemption requests for these uses must provide an update on the status of the efforts toward obtaining registration of these uses. In the event that NCDACS requests emergency exemptions for these uses next year, EPA is making a preliminary determination that they are eligible for the re-certification program (40 CFR 166.20(b)(5)) in 2015.

If you have any questions regarding these authorizations, please contact one of my staff members, Andrea Conrath (703.308.9356; conrath.andrea@epa.gov; or Tawanda Maignan (703.308.8050; maignan.tawanda@epa.gov).

for Lois Rossi

Lois Rossi, Director
Registration Division
Office of Pesticide Programs

Date: 20 June 2014

cc: Phillip Beard
USEPA Region 4

Patricia Livingston, Tribal Coordinator
US EPA Region 4