STATE WASHINGTON

SLN NO. WA050005

DATE REGISTERED 03-30-05

90-DAY DATE 06-30-05

SPECIFIC SPECIAL LOCAL NEED

SITE

PEST/PROBLEM:

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1. Is the State certified to issue this type of registration?
2. Was the EPA Application/Notification Form submitted?
3. Was all the required information included on the form?
4. Was a confidential formula submitted (for new products)?
5. Is this registration for a "CHANGED USE PATTERN"
6. Has an FR document been prepared for this "CHANGED USE PATTERN"?
7. Tolerances required? Established? Citation:
8. Full labeling being used? Supplemental directions?
9. Does label state "FOR DISTRIBUTION AND USE ONLY WITHIN (State)?
10. Does full label comply with 40 CFR 162.10, as follows:

    a. Product name, brand or trademark?
    b. Name and address of registrant?
    c. Net contents?
    d. Product registration number?
    e. Producing establishment number?
    f. Ingredient statement?
    g. Precautionary labeling?
    h. Directions for use for special local need?
    i. Use classification?

    Was proper format followed?

11. Is supplemental directions for use labeling satisfactory?
12. Was supplemental labeling compared with EPA-registered label?

COMMENTS

1 SLN No WA050005 2 PM 13 3 Action Code

4 State Issue Date

0	3	3	0	0	5

5 Date received by EPA

0	4	0	5	0	5

6. Date received by PM

7 Chemical name

8.. Chemical code

9. Use

10. Reviews requested:

	Date Sent	Due Date	Date Returned	Response Code	Response Date
HED					
EFB					
RCB					
EEB					
TB					
RD					
PM					
S					
Precaut. Labeling					
Chemistry					
Efficacy					

11. Status

12. FINAL ACTION Response code

Response date

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

May 11, 2005

Mr. Steve L. Foss
Pesticide Information/Biopesticide Specialist
Pesticide Mgmt Div., Registration Section
Washington State Department of Agriculture
PO Box 42589
Olympia, WA 98504-2589

Subject: Special Local Need (SLN) Registration: Control of Spruce Spider Mite & Root Weevil on Christmas Trees
Discipline 2EC
EPA Reg. No. 5481-517
EPA SLN No. WA050005
Your Submission Dated March 30, 2005

Dear Mr. Foss:

This will acknowledge receipt of your notification, to this Agency of a registration, pursuant to section 24(c) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as follows:

Product:	Discipline 2EC
EPA Registration No.:	5481-517
EPA SLN No.:	WA050005
24(c) Registrant:	AMVAC Chemical Corporation 4100 East Washington Boulevard Los Angeles, CA 90023

We have reviewed your submission, Notification of State Registration of the subject product for the control of spruce spider mites and root weevils in Christmas trees. The accompanying 24(c) supplemental label is acceptable, and a copy has been placed in the product's records.

CONCURRENCES

SYMBOL	7505C							
SURNAME	[illegible]							
DATE	5/11/05							

If you have any questions concerning this action, please contact Dr. B. A. Akinlosotu at (703) 605-0653.

Sincerely,

for George T. LaRocca
Product Manager 13
Insecticide Branch
Registration Division (7505C)

copy: Darryl Brock, AMVAC Chemical Company

Form Approved. OMB No. 2070-0055.

United States Environmental Protection Agency
Office of Pesticide Programs, Registration Division (7505C)
Washington, DC 20460

EPA

Application for/Notification of State Registration of a Pesticide To Meet a Special Local Need

(Pursuant to section 24(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as Amended)

For State Use Only
Registration No. Assigned: WA-050005
Date Registration Issued: MARCH 30, 2005

1. Name and Address of Applicant for Registration
AMVAC Chemical Corporation
4695 MacArthur Court, Suite 1250
Newport Beach, CA 92660

13

2. Product is (Check one)
- [X] EPA-Registered — EPA Registration Number: 5481-517
- [ ] New (not EPA-registered) — Attach EPA Form 8570-4, Confidential Statement of Formula for new products. — EPA Company Number:

3. Active Ingredient(s) in Product
Bifenthrin

4. Product Name
Discipline™ 2EC

5. If this is a food/feed use, a tolerance or other residue clearance is required. Cite appropriate regulations in 40 CFR Part 180, 185, and/or 186.

6. Type of Registration (Give details in Item 13 or on a separate page, properly identified and attached to this form):
- [ ] a. To permit use of a new product.
- [X] b. To amend EPA registrations for one or more of the following purposes:
  - [X] (1) To permit use on additional crops or animals.
  - [ ] (2) To permit use at additional sites.
  - [ ] (3) To permit use against additional pests.
  - [ ] (4) To permit use of additional application techniques or equipment.
  - [ ] (5) To permit use at different application rates.
  - [ ] (6) Other (specify below)

7. Nature of Special Local Need (check one)
- [ ] There is no pesticide product registered by EPA for such use.
- [X] There is no EPA-registered pesticide product which, under the conditions of use within the State, would be as safe and/or as efficacious for such use within the terms and conditions of EPA registration.
- [ ] An appropriate EPA-registered pesticide product is not available.

8. If this registration is an amendment to an EPA-registered product, is it for a "new use" as defined in 40 CFR 152.3 ?
- [X] Yes (discuss in Item 13 below)
- [ ] No

9. Has an EPA Registration or Experimental Use Permit for this chemical ever been (check applicable box(es), if known):
- [ ] Sought
- [X] Issued
- [ ] Denied
- [ ] Cancelled
- [ ] Suspended
- [X] Registration
- [ ] Experimental Use Permit
- [ ] No Previous Permit Action

10. Has FIFRA section 24(c) registration for this use of the product ever, by another State, been (check appropriate box(es), if known):
- [X] Sought
- [ ] Issued
- [ ] Denied
- [ ] Revoked

If any of the above are checked, list States in Item 13 below.
- [ ] No FIFRA section 24(c) Action

11. Endangered Species Act: (Give details in Item 13 or on a separate page, properly identified and attached to this form)

Identify the counties where this pesticide will be used. If Statewide, indicate "all." Provide a list of Federally protected endangered/threatened species which occur in the areas of proposed use.

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

12. Indicate use status of Special Local Need, i.e., planned dates of use:
From: 01/01/2005 To: 12/31/2009

Signature of Applicant or Authorized Representative
Daniel E. Brock

Title
Regulatory Manager

Telephone Number
949-260-1212

Date
28 Dec 2004

13. Comments (attach additional sheet, if needed)
Item 8 -- To control Spruce Spider Mites and Root Weevils in Christmas Trees
Item 10 -- SLN application pending in Oregon
Item 11 -- See attached list for Endangered Species.
Item 11 -- Statewide ALL counties.

Determination by State Agency

This registration is for a Special Local Need and is being issued in accordance with section 24(c) of FIFRA, as amended. To the best of our knowledge, the information above is correct, except as noted in "Comments" below or in attachments.

Name, Title, and Address of State Agency Official
[redacted]

Title
Steve J Fell

Telephone Number
360-902-2049

Date
3/30/2005

Comments (by State Agency Only)

Received by EPA

EPA Form 8570-25 (Rev. 1-94)

EPA COPY

AMVAC™

AGRICULTURAL BULLETIN

DISCIPLINE™ 2EC

FOR CONTROL OF SPRUCE SPIDER MITES AND ROOT WEEVILS IN CHRISTMAS TREES

RESTRICTED USE PESTICIDE
Toxic to Fish and Aquatic Organisms
For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification

SUPPLEMENTAL LABELING
FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF WASHINGTON

DISCIPLINE™ 2EC

EPA REG. NO. 5481-517

EPA SLN NO. WA-050005

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the EPA registered label. This label must be in possession of the user at the time of pesticide application.**

CROP	PEST	RATE OF APPLICATION
Christmas Trees	Spruce Spider Mite Root Weevil	Apply 3.9 to 6.4 ounces per acre in a minimum of 20 gallons of water if sprayed using ground equipment or in a minimum of 5 gallons if applied by air.

RESTRICTIONS/PRECAUTIONS

- **RESISTANCE MANAGEMENT:** Avoid using the same miticide in succession or in the same fields year after year, since using any single pesticide repeatedly can select for resistance. Discipline 2EC must be rotated to another pesticide with a different mode of action if a third application is required in the spring.
- Do not make more than 3 applications in a crop year. Maintain a minimum of 21 days between Discipline 2EC treatments.
- Low humidity and high temperatures increases the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature. Do not make aerial or ground applications during temperature inversions. For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wingtip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or rotor diameter. Make aerial or ground applications when the wind velocity favors on target deposition (approximately 3 to 10 MPH).

RESTRICTIONS/PRECAUTIONS (cont)

- **Do not apply when wind velocity exceeds 10 MPH.** Follow the spray drift precautions on the EPA registered label. Do not apply Discipline 2 EC to Christmas Trees through any irrigation system.
- Do not apply by ground equipment within 25 feet or by air within 150 feet of lakes; reservoirs; rivers; permanent streams, marshes, or natural ponds; estuaries and commercial fish farm ponds. Increase the buffer zone to 450 feet when ultra low volume (ULV) application is made.
- Do not make aerial or ground applications to Christmas Trees if rainfall is imminent.
- Discipline 2 EC has demonstrated excellent plant safety. However, not all species and varieties have been tested. Prior to full-scale application, treat a few plants for observation.
- Use of ground equipment to apply Discipline 2EC may result in better coverage and contact activity against spruce spider mite.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates. Discipline 2EC should not be used under this SLN label where impact on listed threatened or endangered species is likely. You may refer to the WSDA Endangered Species Program website at http://agr.wa.gov/PestFert/EnvResources/EndangSpecies.htm, or contact the Washington Department of Fish & Wildlife, National Marine Fisheries Service (NOAA Fisheries) or U.S. Fish & Wildlife Service for information regarding aquatic species listed as threatened or endangered. Consult the federal label for additional restrictions and precautions to protect aquatic organisms.

IMPORTANT WASHINGTON STATE INFORMATION:

WSDA Container Disposal Guidance: Pesticide containers must be properly cleaned prior to disposal. The best time to clean empty pesticide containers is during mixing and loading, because residue can be difficult to remove after it dries. Triple rinse (or pressure rinse) the pesticide container, empty all pesticide rinse water into the spray tank, and apply to a labeled crop or site. Recycling cleaned containers is the best method of container disposal. Information regarding the recycling of empty and cleaned plastic pesticide containers in Washington is available on the internet from WSU at http://pep.wsu.edu/waste/wd.html or from WSDA at http://agr.wa.gov/PestFert/Pesticides/WastePesticide.htm. Cleaned containers may also be disposed of in a sanitary landfill, if permitted by the county. Burning is not a legal method of container disposal in Washington.

This label for Discipline 2EC expires and must not be distributed or used in accordance with this SLN registration after December 31, 2010.

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Limitation of Warranty and Liability before using this product.

24(C) Registrant:

AMVAC Chemical Corporation
4100 East Washington Boulevard
Los Angeles, CA 90023
www.amvac-chemical.com
1-323-264-3910

STATE OF WASHINGTON
DEPARTMENT OF AGRICULTURE
PO Box 42560 • Olympia, Washington 98504-2560 • http://agr.wa.gov • (360) 902-1800

CERTIFIED

March 30, 2005

Document Processing Desk (SLN)
Office of Pesticide Programs - H7504C
U.S. Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

RE: EPA SLN Reg. Number WA-050005

Enclosed is Washington Special Local Need (SLN) registration number WA-050005 issued to AMVAC Chemical Company for the use of Discipline 2EC (EPA Reg. No. 5481-517) to control spruce spider mites and root weevils in Christmas trees. This registration was issued under authority of Section 24(c) FIFRA.

Adult spruce spider mites can injury the needles of Christmas trees when they use their piercing-sucking mouthparts to remove plant fluids. There can be several generations of spider mites per year in Washington and these destructive pests are notorious for their ability to develop miticide resistance. Dr. Glenn Fisher with Oregon State University and the Pacific Northwest Christmas Tree Association both support the registration of Discipline 2EC to provide growers with an effective alternate miticide for use as part of a resistance management program.

This SLN is essentially similar to WA-930005, except for the following changes:

- Added the following RESISTANCE MANAGEMENT guidance:
  Avoid using the same miticide in succession or in the same fields year after year, since using any single pesticide repeatedly can select for resistance. Discipline 2EC must be rotated to another pesticide with a different mode of action if a third application is required in the spring.
- Amended the wind velocity restriction from 15 MPH to 10 MPH to mitigate for potential drift particularly for aerial applications.

WSDA issued WA-050005 with an expiration date of December 31, 2010.

If you have any questions, please contact me at (360) 902-2049 or by e-mail at sfoss@agr.wa.gov.

Sincerely,

PESTICIDE MANAGEMENT DIVISION

Steve L. Foss
Biopesticide Specialist / E-Commerce Business Coordinator

SLF:jh
Enclosure

cc: Darryl Brock, AMVAC Chemical Company
Jane Thomas, WSU
Dr. Glenn Fisher, OSU
John Orr, AMVAC Chemical Company
Rose Kachadoorian, ODA
Bryan Ostlund, PNWCTA

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

April 5, 2005

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

WSDA
Pestiicde Mgt. Division
PO Box 42589/1111 Washington Street
Olympia, WA 98504-2589

ATTN: Steve L. Foss, Specialist:

Dear State Agency:

The Office of Pesticide Programs acknowledges receipt of the Section 24(c) application/notification for WA050005.

The package is being forwarded to the Product Manager for review.

To ensure that the Agency receives proper notification of your 24(c) applications/notifications it is necessary to us the correct mailing address. All new 24(c) applications should be sent to the following:

Document Processing Desk (SLN)
Office of Pesticide Programs - H7504C
U.S. Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

If you have any questions concerning the administrative screening of the package please contact the Front End Unit at (703)305-7406.

Sincerely,

Barbara Pinnell

Front End Processing Staff
Information Services Branch
Information Resources and Services Division