

73049-334



09/29/2009

1/13

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Nasser Assaf, Ph.D.  
Valent BioSciences Corporation.  
870 Technology Way  
Libertyville, IL 60048

SEP 29 2009

Dear Dr. Assaf:

Subject: Application for Pesticide Notification (PRN 98-10)  
Comply with Agency pyrethroid labeling letter dated June 4, 2009  
and update Warranty Statement  
Permanone Insect Killer R4  
EPA Reg. No. 73049-334  
Your submission dated July 29, 2009

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated July 29, 2009 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records. When preparing the actual printed labels, please be aware that there is a typographical error on your label in one of the newly added precautions. Specifically, on page 4 under the heading OUTDOOR APPLICATION, in the sentence that starts "All outdoor applications must be limited to spot..." revise "except for the following permitting uses" to read "except for the following permitted uses".

Sincerely,

*Danu R. Pellett*

for Richard Gebken  
Product Manager 10  
Insecticide Branch  
Registration Division (7505P)



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 73049-334	2. EPA Product Manager Richard Gebken	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Permanone Insect Killer R4	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Valent BioSciences Corporation 870 Technology Way Libertyville, IL 60048  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____  Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Label Notification - No Fee; e-mail: Nasser.Assaf@valent.com; Fax: (925) 817-5160

See Self Certifications statements on cover letter.

Changes include:

-Environmental Hazard and General labeling requirement per Agency's letter of June 4, 2009

-Updated warranty statement in agreement with US EPA OPP Guidance on Warranty Statements (Oct. 17, 2006)

-No other changes have been made to the label other than those clearly marked.

**Section - III**

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt.      No. per container	If "Yes" Package wgt      No. per container

3. Location of Net Contents Information  
 Label  Container

4. Size(s) Retail Container

5. Location of Label Directions  
 on label

6. Manner in Which Label is Affixed to Product  
 Lithograph  
 Paper glued  
 Stenciled  Other \_\_\_\_\_

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Nasser A. Assaf, Ph.D	Title Regulatory Manager, ESD	Telephone No. (Include Area Code) (847) 968-4788
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**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.

2. Signature  
*NASSAF*

3. Title  
Regulatory Manager, ESD

4. Typed Name  
Nasser A. Assaf, Ph.D

5. Date  
July 29, 2009

6. Date Application Received (Stamped)



ENVIRONMENTAL SCIENCES DIVISION
870 Technology Way, Suite 100
Libertyville, IL 60048 • 800-323-9597

July 29, 2009

Document Processing Desk (NOTIF-Pyrethroid)
Registration Division
Office of Pesticide Programs (7504P)
US Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

ATTN: Richard Gebken
Product Manager 13
Insecticide Branch

SUBJECT: APPLICATION FOR PESTICIDE LABEL NOTIFICATION – No PRIA Service Fee Required
Submission of Revised Labeling Per:
- June 4, 2009 Environmental Hazard and General labeling for
Pyrethroid Non-agricultural Outdoor Products
- PR-Notice 98-10, Warranty Statement update
Permanone Insect Killer R4; EPA Reg. No. 73049-334

Dear Mr. Gebken:

This application for label notification for the above subject product is being submitted to comply with the Agency's letter of June 4, 2009 Environmental Hazard and General labeling for Pyrethroid Non-agricultural Outdoor Products Notification; PR Notice 2007-4, Labeling Revisions Required by the Final Rule "Pesticide Management and Disposal; Standards for Pesticide Containers and Containment Revision of Container Disposal and US EPA OPP Guidance on Warranty Statements (Oct. 17, 2006) among other minor changes which are clearly marked.

Permanone Insect Killer R4; EPA Reg. No. 73049-334; is a liquid concentrate and read-to-use pyrethroid product for homeowners, indoor/outdoor use.

Due to the limited space on EPA Form 8570-1, Section II, the self certification statements are as follows:

Agency's letter of June 4, 2009 Environmental Hazard and General labeling for Pyrethroid Non-agricultural Outdoor Products Notification

Pyrethroid

Notification of label change per June 4, 2009, letter from Environmental Protection Agency. This notification is consistent with the guidance in the June 4, 2009 letter and the requirements of EPA's regulations at 40 CFR part 156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR 156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

cc:cc
cc:cc
cc:cc
cc:cc



US EPA OPP Guidance on Warranty Statements (Oct. 17, 2006)

This notification is consistent with the provisions of PR Notice 98-10 and the EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Notification of warranty statements per PR Notice 98-10 II J.

Two (2) copies of revised draft labeling with changes clearly marked are enclosed. Additions are noted in underlined italics. Deletions are shown struck through.

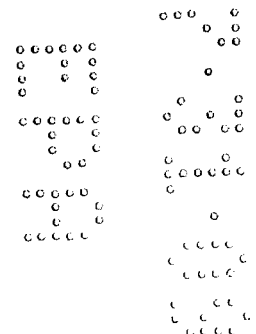
If you need additional information or have any questions regarding this submission, please do not hesitate to contact me at (847) 968-4844 or e-mail to: [Nasser.assaf@valent.com](mailto:Nasser.assaf@valent.com).

Sincerely,

Nasser A. Assaf, Ph.D.  
Regulatory Manager, ESD

Enclosures

cc: VBC Regulatory File



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**PERMANONE®  
INSECT KILLER R4**

**NOTIFICATION**

**SEP 29 2009**

- *[FOR DOMESTIC USE BOTH INDOORS AND OUTDOORS.*
- *FOR LIVESTOCK AND PREMISE USE*
- *READY-TO-USE FOR CONTROL OF HOUSEHOLD PESTS*
- *DILUTE FOR USE ON VEGETABLES AND FRUIT AND NUT TREES*
- *FOR CONTROL OF FLEAS, BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS*
- *CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS*
- *FOR CONTROL OF PESTS ON LIVESTOCK*
- *WITH COUNTRY FRESH FRAGRANCE*
- *PROVIDES 60-DAY (TWO MONTHS) CONTROL OF COCKROACHES*
- *PROVIDES 60-DAY (TWO MONTHS) CONTROL OF FLEAS*
- *PROVIDES 60-DAY (TWO MONTHS) CONTROL OF STORED PRODUCT PESTS*
- *FOR HOUSEHOLD AND DOMESTIC USE ONLY*
  - *READY TO USE*
  - *WATER-BASED*
  - *ORNAMENTAL AND HEDGE TREATMENT*
  - *OUTDOOR PEST CONTROL PRODUCT*
  - *CONTROLS NUMEROUS PESTS OF ORNAMENTAL PLANTS*
  - *CONTROL OF TICKS*
  - *CONTAINS PERMANONE*
  - *KILLS ON CONTACT*
  - *FOR CONTROL OF ANTS*
  - *FOR CONTROL OF GYPSY MOTHS*
  - *KILLS FLEAS AND TICKS]*

**ACTIVE INGREDIENT:**

Permethrin ..... 0.25 %

**OTHER INGREDIENTS:** ..... 99.75 %  
100.00 %

\* *Cis/trans* ratio: max. 35% (+/-) *cis* and min. 65% (+/-) *trans*.

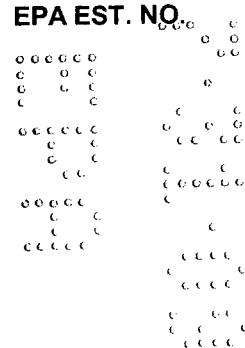
**PRECAUCION AL CONSUMIDOR:** Si usted no lee Ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.  
**(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

**EPA REG. NO. 73049-334**

**EPA EST. NO.**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION  
See Side Panel For Additional Precautions.**

**NET CONTENTS:**



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In case of *Medical* emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-877-315-9819.

**READ ENTIRE LABEL BEFORE EACH USE**

**PET USE APPLIES TO USE ONLY ON DOGS**

**PRECAUTIONARY STATEMENTS**

**Hazards To Humans & Domestic Animals**

**CAUTION**

Wash thoroughly after handling and before smoking or eating. Avoid contamination of feed and foodstuffs. Remove pets and birds and cover fish aquaria before surface applications. Do not use on humans. Do not allow children or pets to contact treated areas until surfaces are dry.

Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

**Environmental Hazards**

This product is extremely toxic to fish. ~~Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.~~ To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

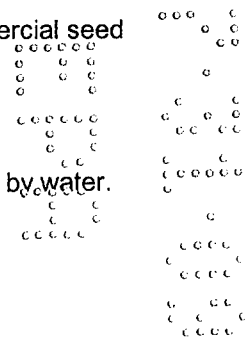
**DIRECTIONS FOR USE**

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes.

**SHAKE WELL BEFORE USING**

Do not use on electrical equipment or on surfaces that can be harmed or stained by water.



Application is prohibited directly into sewers drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

INDOOR APPLICATION

HOUSEHOLD PESTS: For spot application only. Do not use as a space spray indoors.

Ready to use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING: FOR UP TO 60-DAY (TWO MONTHS) CONTROL OF: **Cockroaches, Waterbugs, Palmetto Bugs, Scorpions, Millipedes, Centipedes, Sowbugs, Pillbugs, Ants, Silverfish, Firebrats, Spiders, Crickets, Clover Mites, Cheese Mites, Granary Weevils, Rice Weevils, Confused Flour Beetles, Rust Red Flour Beetles, Drugstore Beetles, Meal Worms, Grain Mites and Cadelles:** Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For **Silverfish**, spray bookcases. For **Ants**, spray trails, nests and points of entry.

TO CONTROL **Carpet Beetles:** Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving.

TO CONTROL **Bedbugs:** Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors.

TO CONTROL **Fleas (Adults and Larvae) and Ticks (Adults and Larvae):** Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Place fresh bedding in animal quarters following treatment. Allow to dry thoroughly before allowing pets to contact treated areas.

TO CONTROL **Clothes Moths:** Remove any infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated lightly, keeping nozzle at least three feet from fabric to avoid staining.

TO KILL **Lice and Louse Eggs:** Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry-cleaned. Allow all treated particles to dry thoroughly before use.

LIVESTOCK PESTS

Ready to use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Do not contaminate animal feed or water during application.

ON LIVESTOCK: To protect cattle (beef and dairy), goats, sheep, hogs and horses from **Horn Flies, Face Flies, Houseflies, Mosquitoes** and **Gnats:** Apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but do not spray into eyes.

TO CONTROL **Stable Flies, Horse Flies and Deer Flies**: Apply at a rate of 2 ounces per adult animal, sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL **Blood-sucking Lice**: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL **Bedbugs and Mites** IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls, and cracks in nests where the bedbugs and mites hide.

ON DOGS; TO CONTROL **Fleas, Ticks, and Lice**: Ready to use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and underbody. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly, but do not saturate animal. Do not spray into eyes or face. Avoid contact with genitalia. Repeat application every two weeks if necessary. DO NOT USE ON CATS OR KITTENS.

OUTDOOR APPLICATION

Do not water the treated area to the point of run-off. Do not make applications during rain. All outdoor application must be limited to spot or crack-and-crevice treatments only, except for the following permitting uses:

1. Treatment to soil or vegetation around structures;
2. Applications to lawns, turf, and other vegetation;
3. Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves) are limited to spot and crack-and crevice applications, only.

TO HELP CONTROL **Ticks** IN OUTDOOR ACTIVITY AREAS: Ready to use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

PESTS ON THE OUTDOOR SURFACE OF BUILDINGS: To temporarily control **Houseflies, Mosquitoes, Cluster Flies, Gnats** and **Flying Moths**. For outdoor use only as an aid in reducing annoyance from these insects.

Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of PERMANONE and 12 fluid ounces of water. Using dilute mixture, spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages and other places where these insects alight or congregate. Flush sprayer with clean water after each use.

ORNAMENTAL FLOWER GARDENS

Ready to use. Affix trigger, pump or other type of sprayer to container for application. Do not transfer to another container.



For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles hit by spray as well as **Whiteflies, Aphids, Exposed Thrips, Spiders, Red Mites** and **Leafminers**. May be used on plants as a multipurpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, eunonymus, fuschia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jews and zinnias.

Effective when used as directed against **Whiteflies, Aphids, Spider and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites** and **Armyworms**.

When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

ORNAMENTAL TREES AROUND THE HOME: Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of PERMANONE and 12 fluid ounces of water. Using dilute mixture, use sufficient spray to obtain full coverage of all foliage. Avoid heavy wetting. Use to control: **Pine Moths, Pine Needle Miners, Pine Beetles** and **Needle Scales** on pine; **Budworms** on conifers; **Oakworms** on oak; **Fall Webworms** on cherry, elm and honeysuckle; **Aphids** on tulip poplar; **Citrus black flies** on non-bearing citrus; **Tussock Moths** on Douglas and grand firs; **Leafminers** on birch; **Elm Leaf Beetles** and **Elm Spanworms** on elms. Flush sprayer with clean water after each use.

FOR HOME VEGETABLE GARDENS: Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of PERMANONE and 12 fluid ounces of water. Spray upper and lower leaf surface as directed. Use sufficient spray to obtain full coverage of all foliage, but do not spray to the point of runoff. Apply no more than 13 ounces of dilute mixture over 100 linear feet of row (13 ounces of diluted mixture per 100 square feet.) Flush sprayer with clean water after each use.

**VEGETABLE**

**TARGET PESTS**

**REMARKS**

Asparagus  
(pre-harvest)

Cutworms  
asparagus beetle

Spray plants as needed to ensure uniform coverage. Do not make more than 4 applications. Can be applied up to 3 days prior to harvest.

Asparagus  
(post-harvest)

Larval stages of asparagus beetle; tarnished plant bugs, lygus bugs and adult Japanese

Treat fern or bush growth after spear harvest when insects are present.

beetles.

Celery - see leafy vegetables

Cole Crops:  
Broccoli, Brussels  
Sprouts, Cabbage,  
Cauliflower

Beet armyworm;  
diamond back moth;  
imported cabbage-  
worm; cabbage aphid,  
cabbage looper

Apply every 5 days or  
as needed. Can be  
applied up to one day  
prior to harvest. Do  
not make more than 10  
applications on cabbage  
and 8 applications  
on the other cole crops.

Corn - see  
sweet corn

Cucurbits:  
Balsam pear(bitter  
melon), Chinese  
waxgourd (Chinese  
melon),  
Citrus melon,  
cucumber, Gherkin,  
Edible gourds,  
Melons including  
hybrids such as  
cantaloupe, casaba,  
crenshaw, honeydew,  
honey balls, mango  
melon, muskmelon,  
and Persian melon,  
pumpkin, summer &  
winter squash,  
watermelon

Aphids, cabbage  
loopers, cucumber  
beetles (adults),  
cutworms, leafhop-  
pers, leafminers  
melonworms,  
pickleworms, plant  
bugs and squash  
bugs.

Spray plants as needed  
to ensure uniform  
coverage. Do not make  
more than 8 applicat-  
ions per crop. Can be  
applied up to the day  
of harvest.

Eggplant

Colorado potato  
beetles, vegetable  
leaf miners

Spray plants as  
needed to ensure  
uniform coverage.  
Do not make more than  
16 applications. Can be  
applied up to 3 days  
prior to harvest.

Horseradish

Imported crucifer  
weevils

Spray as needed. Do  
not make more than 3  
foliar applications. Can  
be applied up to 22  
days prior to harvest.

Leafy Vegetables:

Alfalfa loopers,

Spray every 5 to 10 days



amaranth, arrugula, celery, celtuce, chervil, corn salad, chrysanthemum (edible-leaved and garland), cress (garden and upland), dandelion, dick, endive, fennel, lettuce (head & leaf), orach, parsley, purslane (garden and winter), rhubarb, spinach, Swiss chard  
Melons - see Cucurbits

aphids, beet armyworms, cabbage loopers, corn earworms, cutworms, European corn borers, fall armyworm, green cloverworms, southern armyworms, tobacco budworms, vegetable leaf miners.

as needed. Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest.

Potatoes

Beet armyworms, Colorado potato beetles, potato beetles, potato leafhoppers, potato aphids, potato tuberworms, cabbage loopers, cutworms, European corn borers, potato psyllids, tarnished plant bugs

Spray plants as needed. Do not make more than 12 applications. Can be applied up to 7 days prior to harvest.

Peppers

Vegetable leafminers, cabbage loopers, flea beetles, corn earworms, pepper weevils, European corn borers

Spray plants as needed. Do not make more than 8 applications. Can be applied up to 3 days prior to harvest.

Sweet Corn

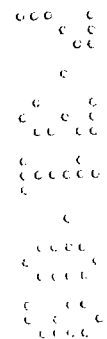
Corn earworms, European corn borers, fall armyworms, southern armyworms

Spray plants every 5 days and when needed. Do not make more than 6 applications per season. Can be applied up to 1 day prior to harvest.

Tomatoes (Do not spray on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter)

Beet and southern armyworms, tomato pinworms, tomato fruitworms, hornworms, granulate cutworms, Colorado potato beetles,

Spray plants when needed for uniform coverage. Do not make more than 6 applications per season. Can be applied up to date of harvest.



cabbage loopers

HOME OWNER GROWN FRUIT AND NUT TREES: Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of PERMANONE and 12 fluid ounces of water. Apply dilute mixture to trees until foliage is dripping wet. Make sure to spray the undersides of leaves and into dense foliage. Flush sprayer with clean water after each use.

Trees

(Fruit or Nut)

Almonds

Target Pest(s)

Navel orange worms, peach twig borers

Remarks

Apply when insects appear. Do not make more than 2 applications during the period when the outer hull of the almond has started to open. Do not make more than 5 applications per season. Can be applied up to 7 days prior to harvest.

Apples

Plum curculio, red-banded leafrollers, rosyapple aphids, spotted tentiform leafminers, tarnished bugs, white apple leafhoppers, oblique-banded leafrollers, green fruitworms.

Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall.

Peaches

Lesser peachtree borers, peach twig borers, plum curculio, plant bugs, green fruit worms, Oriental fruit moths

Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.

Pears

pear psylla, green fruitworms and codling moths.

Apply when needed. Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Storage: Store in original container in a cool, dry area away from children and pets.

**Container Disposal:** *If empty:* Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.  
*If partly filled:* Call your local solid waste agency [or 1-877-315-9819] 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should *must* be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Valent BioSciences Corporation. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VALENT BIOSCIENCES CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Valent BioSciences Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Valent BioSciences Corporation disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT VALENT BIOSCIENCES CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

©Valent BioSciences Corporation, 2008

Permanone is a registered trademark of Bayer AG.

**Valent BioSciences Corporation**  
**Environmental Science Division**  
870 Technology Way  
Libertyville, IL 60048  
List No. 73049334

02-0267/R1