



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

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

September 15, 2011

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

**Subject: Amended Reregistration Label for Permanone Dust (.25)
EPA Registration No. 73049-383**

Dear Mr. Assaf;

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the referenced product in connection with the **PERMETHRIN RED**, and has concluded that your submission is acceptable.

PLEASE NOTE: This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

PLEASE NOTE: That the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSF's are superseded.

- Basic CSF, dated: May 14, 2010
- Alternate #1 CSF, dated: May 14, 2010

A copy of your label stamped "Acceptable" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

If you have any questions about this letter, please contact Regina Foushee-Smith at (703) 605-0780 or via e-mail at foushee-smith.regina@epa.gov.

Sincerely Yours,

A handwritten signature in black ink, appearing to be "R Gebken", written over a horizontal line.

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

*Enclosures: Label stamped "Accepted" dated: September 15, 2011
Acute Toxicity Review dated: July 28, 2010
Product Chemistry Review dated: October 19, 2010*

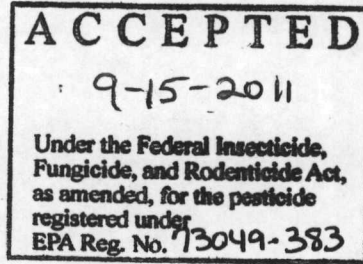
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PERMANONE DUST (.25)

- *For Indoor And Outdoor Residential Use Only*
- *A Broad Spectrum Ready-To-Use Insecticide*
- *For Use On Vegetables And Ornamental Plants*

ACTIVE INGREDIENT:

Permethrin* 0.25 %

OTHER INGREDIENTS: 99.75 %
100.00 %

*cis-trans isomers ratio: Max. 55% (+/-) cis and min. 45% (+/-) 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. 73049-383

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN
CAUTION

See Side/Back Panel for Additional Precautions

FIRST AID	
If in Eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If Swallowed:	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this product (including health concerns, medical emergencies or pesticide incidents), you may call 1-877-315-9819.	

NET CONTENTS:

READ ENTIRE LABEL BEFORE EACH USE**PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals****CAUTION**

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking chewing gum or using tobacco.

Environmental Hazards

This product is extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticides 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.

This pesticide is highly toxic to bees exposed to direct treatment 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.

DIRECTIONS FOR USE

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

Use Restrictions

- Do not allow adults, children, or pets to enter the treated area until dusts have settled.
- Do not apply this product in a way that will contact adults, children, or pets either directly or through drift.
- Application is prohibited directly into sewers or 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.
- Do not water the treated area to the point of run-off.
- Do not make applications during rain.
- Use of handheld power duster equipment is prohibited.

Ornamental Plants - Indoors:

Use a dust applicator such as a shaker can, dust gun, puffer or other bulbous duster, rotary duster or other appropriate duster available.

To protect plants in indoor landscaping - Apply directly on insects to control *Leafrollers*, *Armyworms*, *Cutworms* and *Cabbageworms* on chrysanthemums and *Fungus Gnats* on velvet plant.

Dust lightly to cover both upper and lower leaf surfaces with a thin, even film of dust to control *Aphids*, *Armyworms*, *Corn Earworms*, *Fall Cankerworms*, *Inchworms*, *Japanese Beetles*, *Leafminers*, *Leafrollers*, *Mealybugs*, *Scale Crawlers*, *Spring Cankerworms* and *Exposed Thrips* on the following plants:

Ageratum	English Ivy	Poinsettia
Ardisia	Fuschia	Portulaca
Aster	Gladiolus	Pothos
Azalea	Grape ivy	Prayer plant
Baby's breathe	Hypoestes	Purple passion
Begonia	Ivy	Rabbits foot fern
birds-nest fern	Juniper	Rose
Bleeding heart	Lily	Schefflera
Carnation	Marigold	Snake plant
Chrysanthemum	Palm	Snapdragon
Cockscomb	Pansy	Statice
Coleus	Petunia	Velvet plant
Crown of thorns	Philodendron	Verbena
Dracaena	Piggy-back plant	Zinnia
Dumbcane	Piperomia	

If application is made indoors, remove infested plants from living area prior to application. Dust plants in an area not likely to be occupied by children or pets (particularly fish). When dust settles plants can be returned to original location.

Use with care on ferns, palms and fuschia. As with all plants listed above, especially carnations, chrysanthemums and roses, there exists a wide variety of species and cultivars, and therefore, a wide variety of susceptibility to injury. To ascertain possible phytotoxicity, dust a few plants as described above, wait 24 hours and check for possible injury.

Repeat applications may be necessary to control adult *Japanese Beetles* on roses.

Ornamental Plants - Outdoors:

Use a dust applicator such as a shaker can, dust gun, puffer or other bulbous duster, rotary duster or other appropriate duster available. Dust lightly to cover both upper and lower leaf surfaces with a thin, even film of dust. Apply when air is calm to avoid drift and contact with eyes and skin. Start applying at the farthest corner of the treatment area and work backward to avoid contact with dusted surfaces. Contact insects directly whenever possible.

Controls *Aphids, Cicadas, Corn Earworms, Fall Cankerworms, Inchworms, Leafminers, Leafrollers, Mealybugs, Bagworms* and *Exposed Thrips* on the following plants:

Ageratum	Gladiolus	Petunia
Arizona Cypress	Gold Bells	Philodendron
Aster	Hypoestes	Poinsettia
Azalea	Ivy	Rhododendron
Begonia	Lilac	Rose
Coleus	Marigold	Snapdragon
Common Snowberry	Mark Orange	Taxus
Common Ninebark	Nannyberry	Wax Plant
English Ivy	Palm	Weeping fig
Euonymous	Pansy	Zinnia
Exacum	Pea Shrub	

May also be used on such plants as camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, fuschia, geraniums, crassula, grapevines (ornamental), laurels, stocks and wandering Jews.

Home Vegetable Gardens:

Use a dust applicator such as a shaker can, dust gun, puffer or other bulbous duster, rotary duster or other appropriate duster available. Dust lightly, to cover both upper and lower leaf surfaces with a thin, even film of dust. Apply when air is calm to avoid drift and contact with eyes and skin. Start applying at the farthest corner of the treatment area and work backward to avoid contact with dusted surfaces. Do not exceed the maximum application rate in the table below.

VEGETABLE	TARGET PESTS	Max Application Rate (ounces of dust / 100ft ²)	REMARKS
Asparagus (pre-harvest)	cutworms asparagus beetle	1.47 [0.1 lb ai/A]	Apply to plants ensure uniform coverage. Allow 7 days between applications. Do not make more than 4 applications per season. Can be applied up to 3 days prior to harvest.
Asparagus (post-harvest)	larval stages of asparagus beetle; tarnished plant bug; lygus bugs and adult Japanese beetles		Treat fern or bush growth after spear harvest when insects are present.
Broccoli	beet armyworm; diamond back moth; imported cabbageworm; cabbage aphid, cabbage looper	2.94 [0.2 lb ai/A]	Allow 5 days between applications. Do not make more than 4 applications per season. Can be applied up to one day prior to harvest.

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VEGETABLE	TARGET PESTS	Max Application Rate (ounces of dust / 100ft ²)	REMARKS
Brussels Sprouts	beet armyworm; diamond back moth; imported cabbageworm; cabbage aphid, cabbage looper	1.47 [0.1 lb ai/A]	Allow 5 days between applications. Do not make more than 4 applications per season. Can be applied up to one day prior to harvest.
Cabbage	beet armyworm; diamond back moth; imported cabbageworm; cabbage aphid, cabbage looper	2.94 [0.2 lb ai/A]	Allow 5 days between applications. Do not make more than 2 applications (4 in Hawaii) per season. Can be applied up to one day prior to harvest.
Cauliflower	beet armyworm; diamond back moth; imported cabbageworm; cabbage aphid, cabbage looper	1.47 [0.1 lb ai/A]	Allow 5 days between applications. Do not make more than 2 applications (3 in Hawaii) per season. Can be applied up to one day prior to harvest.
Celery – See leafy vegetables			
Cucurbits: Balsam pear, bitter melon), Chinese Waxgourd (Chinese Preserving 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 looper, cucumber beetle (adults), cutworms, leafhoppers, leafminers, melonworm, pickleworm, plant bugs, squash bugs	2.94 [0.2 lb ai/A]	Allow 7 days between applications. Do not make more than 4 applications per crop per season to cantaloupes (6 in Hawaii). Do not make more than 6 applications per season to all other cucurbits. Can be applied up to the day of harvest.
Eggplant	Colorado potato beetle, vegetable leaf miner	2.2 [0.15 lb ai/A]	Allow 7 days between applications. Do not make more than 4 applications (6 in Hawaii) per season. Can be applied up to 3 days prior to harvest.
Horseradish	Imported crucifer weevil	2.2 [0.15 lb ai/A]	Allow 10 days between applications. Do not make more than 3 applications per season. Can be applied up to 22 days prior to harvest.
Leafy Vegetables: amaranth, arrugula, celery, celtuce, chervil, corn salad, Chrysanthemum (edible-leaved and garland), cress (garden	alfalfa looper, aphids, beet armyworm, cabbage looper, corn earworm, cutworms, European corn borer, fall army- worm, green cloverworm, southern armyworm,	2.94 [0.2 lb ai/A]	For celery and lettuce, allow 7 days between applications. Allow 3 days between applications to spinach. Do not make more than 3 applications to spinach per season. Do not make more than 5 applications (6 in Hawaii) to celery per season. Do not make more than 4

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VEGETABLE	TARGET PESTS	Max Application Rate (ounces of dust / 100ft ²)	REMARKS
and upland), dandelion, dick, endive, fennel, lettuce (head and leaf), orach, parsley, purslane (garden and winter), rhubarb, spinach, Swiss chard	tobacco budworm, vegetable leaf miner		applications (6 in Hawaii) to lettuce per season. Can be applied up to 1 day prior to harvest.
Melons - see Cucurbits			
Potatoes	beet armyworm, Colorado potato beetle, potato leafhopper, potato aphid, potato tuberworm, cabbage looper, cutworms, European corn borer, potato psyllid, tarnished plant bug	2.94 [0.2 lb ai/A]	Allow 10 days between applications. Do not make more than 4 applications per season. Can be applied up to 7 days prior to harvest.
Peppers	vegetable leafminer, cabbage looper, flea beetle, corn earworm, pepper weevil, European corn borer	2.94 [0.2 lb ai/A]	Allow 5 days between applications. Do not make more than 4 applications season. Can be applied up to 3 days prior to harvest.
Sweet Corn	corn earworms, European corn borers, fall armyworms, southern armyworms	2.94 [0.2 lb ai/A]	Allow 3 days between applications. Do not make more than 4 applications per season. Can be applied up to 1 day prior to harvest.
Tomatoes (Do not apply on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter)	beet and southern armyworms, tomato pinworms, tomato fruitworms, horn worms, granulate cutworms, Colorado potato beetles, cabbage loopers	2.94 [0.2 lb ai/A]	Allow 7 days between applications. Do not make more than 3 applications (4 in Hawaii) per season. Can be applied up to day of harvest.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store 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 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 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.

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[Or alternate text

Note [Notice]: Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, seller's liability or default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, seller shall have no liability for consequential damages.]

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