


4-472

10/21/2008

1/9

 <p align="center">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460</p> <p align="center">NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)</p>	<p>EPA Reg. Number: 4-472</p>	<p>Date of Issuance: OCT 21 2008</p>
	<p>Term of Issuance: Conditional</p>	
	<p>Name of Pesticide Product: BONIDE® Spinosad® Ready-to-Use</p>	
<p>Name and Address of Registrant (include ZIP Code): Bonide Products, Inc. 6301 Sutliff Road Oriskany, NY 13424-4326</p>		
<p>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p align="center">This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit and/or cite all data required for registration of your product under FIFRA sec 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4. 		
<p>(continued on page 2)</p>		
<p>Signature of Approving Official: See page #3. Kimberly A. Nesci for Product Team 13 Insecticide Branch, Registration Division (7505P)</p>	<p>Date: OCT 21 2008</p>	

EPA Form 8570-6

2. Make the following change(s) to the label:

- a. Change the product registration number to "EPA Reg. No. 4-472"
- b. Make the following label revisions:

General Statements:

- 1. Delete all text throughout the label marked with "~~strike through~~."
- 2. You should insert the Child Hazard Warning statement ("**KEEP OUT OF REACH OF CHILDREN**"), immediately preceding the statement "Refer to label booklet ...," at the bottom of page 2 of 6.
- 3. Provide additional information on the "Captain Jim" story (narrative), which appears on pages 2 and 3 of 6, in order to support and/or substantiate this claim.

Optional Marketing Statements section comment(s):

- 4. Delete the optional marketing statements marked with "~~strike through~~" at the top of page 2 of 6, since these statements detract from the Directions for Use.
- 5. Delete the optional marketing statement that starts with "Use with TURBO for ..." This topic needs to be discussed in a section of its own within the Directions for Use," as per guidance in PR Notice 82-1 (copy enclosed) on label claims for tank mixing.
- 6. Delete the "Garden Naturals" logo.

Environmental Hazards section comment(s):

- 7. Replace the last 2 sentences in this section with: "Do not apply directly to water. Do not contaminate water when disposing of equipment wash-waters or rinsate. Do not put product or rinse water down drain."

Directions for Use, General Use Precautions and Restrictions subsection comment(s):

- 8. In the 2nd sentence, replace the word "appropriate" with the words "hand-held or backpack."

Directions for Use, Home Gardens (table) subsection comment(s):

- 9. Delete all instances of the statement "including, but not limited to."
- 10. On the line labeled "citrus trees," replace the word "scaring" with the word "scarring."

Storage & Disposal section comment(s):

- 11. To facilitate inclusion of language from PR Notice 2007-4, replace the statement "Offer for recycling if available." with "Offer for recycling, if available, or place in trash."

Warranty & Disclaimer section comment(s):

- 12. Within forty-five (45) days from the date of this letter, Bonide Products, Inc. should submit a label amendment revising the "**LIMITED WARRANTY AND DISCLAIMER**" section (label statement at bottom of page 6 of 6, starting with "Seller warrants that this product ...") in accordance with the guidance document entitled, "Guidance on Warranty Statements," dated October 17, 2006. This update can be found at the following hyperlink: <http://www.epa.gov/pesticides/regulating/labels/warranty.pdf>.

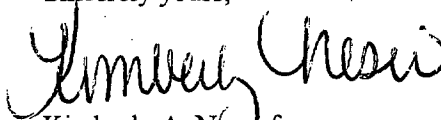
Conditional Data Requirements:

- 13. Within one (1) year from the date of this registration, Bonide Products, Inc. is obligated to submit an Enforcement Analytical Method (830.1800) study, a One Year Storage Stability (830.6317) study and a Corrosion Characteristics (830.6320) study on this product in support of this registration.¹

- 3. You must submit two (2) copies of the revised final printed labeling, incorporating the above changes, before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with section 6(e) of FIFRA. Your release for shipment of the product bearing amended labeling constitutes accepting of these conditions.

A copy of your label stamped "Accepted with Comments" is enclosed for your records along with hard copies of the acute toxicity, product chemistry and NOP labeling reviews for this product. If you have any questions about this review, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or via e-mail at Rodia.Carmen@epa.gov.

Sincerely yours,



Kimberly A. Nesol for
Product Team 13
Insecticide Branch
Registration Division (7505P)

Enclosures: *Label stamped "Accepted with Comments"*
Acute Toxicity Review, dated September 3, 2008
Product Chemistry Review, dated September 3, 2008
National Organic Program Labeling Review, dated October 14, 2008
Copy of PR Notice 82-1

000004-00472 D396894

¹ For more detailed information, please refer to the product chemistry review for this product



Spinosad[®] Ready-to-Use

[Additional Brand Name: Captain Jim's Deadbug Brew[®] Ready-to-Use]

Optional Marketing Statements:
Insect Control Product

FOR RESIDENTIAL USE IN HOME GARDENS AND ORNAMENTALS

For control of foliage feeding worms (caterpillars), thrips and other listed pests in:

- Fruiting vegetables, such as tomato, pepper, okra and eggplant
- Cucurbits, such as cantaloupe and honeydew
- Cole crops (Brassica), such as broccoli, cabbage and cauliflower
- Leafy vegetables, such as lettuce, spinach and celery
- Tuberous vegetables, such as potatoes, sweet potatoes, yams, Jerusalem artichoke Chinese artichoke and cassava
- Stone fruits, such as peaches, plums, cherries, nectarines, prunes and apricots
- Apple and other pome fruits, such as pears, crabapples, mayhaw and quince
- Bushberries and caneberries, such as blueberry, blackberry and raspberry
- Citrus trees, such as oranges, grapefruit, lemons, limes, and tangerines
- Succulent beans and peas, such as lima bean, snap bean and blackeyed pea
- Tree fruits, such as avocado, mango, star apple and papaya
- Tree nuts, such as pecans, almonds, cashew and walnuts
- Sweet corn and popcorn
- Asparagus
- Grape
- Leafy and dried herbs
- Strawberry
- Outdoor herbaceous and woody ornamentals
- Fire ant control in ornamentals, home gardens, and other outdoor areas

See Home Gardens and Ornamentals sections for a complete listing of crops and use sites.

- Easy to use
- User friendly
- No guesswork
- For vegetables, apples, and citrus trees
- Controls worms (caterpillars)
- Kills worms (caterpillars)
- Controls citrus leafminers
- Controls Colorado potato beetle
- Kills Colorado potato beetle
- Controls certain insects in vegetable gardens
- Controls certain insects in the garden
- For vegetables
- No odor water-based formula
- Water-based formula
- Contains spinosad
- Do-it-yourself home garden insect control
- Leaves no oily residue
- Kills certain home garden insect pests

ACCEPTED
With COMMENTS
In EPA Letter Dated:
October 21, 2008
Under the Federal Insecticide, Fungicide
and Rodenticide Act, As amended, for the
pesticide Registered under EPA Reg. No:
4-472

Short post-harvest interval
Pick apples 7 days after spraying
Contains [trademark] Naturalyte® insect control
A [trademark] Naturalyte® insect control product

- ~~Natural pest control~~
- ~~Generally regarded as safe~~
- ~~Safe to use around people, pets and wildlife~~
- ~~Can be used around pets and wildlife~~
- ~~Won't harm birds~~
- ~~Garden Naturals®~~

Use on fruits, vegetables, berries, citrus, grapes, nuts and ornamentals.
 Kills bagworms, borers, beetles, caterpillars, codling moth, gypsy moth, loopers, leaf miners, spider mites, tent caterpillars, thrips and more!
 Captain Jim's DEADBUG Brew® contains Spinosad "spin-OH-sid". Spinosad is derived from a naturally occurring soil dwelling bacterium that was collected from an abandoned rum distillery on a Caribbean island in 1982. This unique bacterium was defined as a new species when it was discovered and it has never been found in nature anywhere else in the world. Since being discovered, Spinosad has become a leading pesticide used by agriculture world wide in the production of organic produce. Today, thanks to Captain Jim, and his DEADBUG Brew® Spinosad is available to the homeowner.
 To help avoid insect resistance to Spinosad, limit applications to any specific site to no more than 6 times per year.
~~Use with TURBO for enhanced effectiveness on borers and miners~~
 Be patient, it will take 1 - 2 days for insects to die off.



Active Ingredient:

spinosad (a mixture of spinosyn A and spinosyn D)	0.001%
Other Ingredients	99.999%
Total	100.000%

Contains 0.00008 lb of active ingredient per gallon.

U.S. Patent No. 5,362,634 and 5,496,931

✓ For Organic Production ← *Keep Out of Reach of Children*

Refer to label booklet for Directions for Use.

Notice: Read the entire label. Use only according to label directions.

Shake Well Before Use -- Avoid Freezing

®Trademark of Dow AgroSciences LLC

Net Contents _____

Precautionary Statements

Environmental Hazards

This product is toxic to bees exposed to treatment for 3 hours following treatment. Do not apply this pesticide to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on the plants during this time period. This product is toxic to aquatic invertebrates. ~~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.~~

~~**Physical or Chemical Hazards**~~

~~**Combustible** - Do not use or store near heat or open flame.~~

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

For residential use in home gardens and ornamentals. Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

Storage and Disposal

Do not contaminate water, food, or feed by storage and disposal.
Pesticide Storage: Store in original container only in secure or locked storage area.
Pesticide Disposal: *If partly filled* – Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.
Container Disposal: *If empty* - Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

This insect control product is intended for control of worms (caterpillars) and other listed insects. This product does not significantly impact predatory beneficial insects, predatory mites, and spiders while controlling target pests. Susceptible insect pests may be observed on plants up to several hours after treatment, but will have ceased active feeding before being killed. Spinosad is classified as an organic substance by the USDA National Organic Standards Board.

[this section may be listed here, as well as on the front panel]
Captain Jim's DEADBUG Brew® contains Spinosad "spin-OH-sid". Spinosad is derived from a naturally occurring soil dwelling bacterium that was collected from an abandoned rum distillery on a Caribbean island in 1982. This unique bacterium was defined as a new species when it was discovered and it has never been found in nature anywhere else in the world. Since being discovered, Spinosad has become a leading pesticide used by agriculture world wide in the production of organic produce. Today, thanks to Captain Jim, and his DEADBUG Brew® Spinosad is available to the homeowner.

How to Apply

Shake Well Before Use

This product may be applied directly from this container. Make a thorough and complete application (a thin, uniform film) to both the tops and undersides of leaves. Apply when wind is very light or absent, usually early morning or evening will prevent drift and loss of product to adjacent areas.

When to Apply

Apply when listed pests are present. Repeat applications may be made as indicated in the Home Gardens section. See your state extension service recommendations for treatment guidelines in your area.

Uses

General Use Precautions and Restrictions

Do not make overhead applications with this product container. For taller (greater than 6 ft. ht.), mature trees, use [product name of concentrate spinosad] with ~~appropriate~~ sprayer equipment, or [product name of ready-to-spray spinosad], a ready-to-spray hose-end applicator package. Always read and follow label directions before use.

Home Gardens

In the state of Georgia, do not apply this product to: Broccoli Raab, Chinese Cabbage (Bok Choy), Collards, Kale, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens.

Crops	Pests Controlled	Maximum Number of Applications per Season	Minimum Days to Wait Before Reapplying	Minimum Days to Wait from Last Application to Harvest
apple and other pome fruits* including, but not limited to: crabapples, mayhaw, pears, and quince	codling moth leafminers leafrollers oriental fruit moth tufted apple budmoth	6	10	7
asparagus (post-harvest to protect ferns)	asparagus beetles	4	7	60
bushberries and caneberries, including, but not limited to: blackberry, blueberry, currant, elderberry, gooseberry, huckleberry, juneberry, lingonberry, loganberry, raspberry, and salal	armyworms fireworms fruitfly (suppression) fruitworms leafrollers loopers thrips	6	6	3
citrus trees*, including, but not limited to: grapefruit, lemons, limes, oranges, and tangerines (to prevent fruit scaring from thrips, treat when fruit is marble size)	katydids leafminers thrips worms (caterpillars)	6	6	1
cole crops (Brassica vegetables), including, but not limited to: broccoli, broccoli raab, brussels sprouts, cauliflower, cavalo, Chinese broccoli, cabbage, Chinese cabbage (bok choy), Chinese cabbage (napa), Chinese mustard cabbage (gai choy), collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, and rape greens	cabbage looper diamondback moth imported cabbage worm leafminers worms	6	4	1

cucurbits, including, but not limited to: cucumber, edible gourds, muskmelons (cantaloupe, honeydew, etc.), pumpkin, summer and winter squash, and watermelon	leafminers thrips worms (caterpillars)	6	5	all except cucumber, 3 cucumber, 1
fruiting vegetables, including, but not limited to: eggplant, ground cherry, okra, pepino, pepper, tomatillo, and tomato	Colorado potato beetle leafminers thrips worms (caterpillars)	6	4	1
grape	leafrollers thrips worms (berry moth)	6	5	7
leafy and dried herbs	leafminers thrips worms (caterpillars)	5	7	1
leafy vegetables, including, but not limited to: arugula, celery, chervil, corn salad, cress, dandelion, dock, edible chrysanthemum, endive, fennel, garden purslane, head and leaf lettuce, parsley, radicchio, rhubarb, spinach, and Swiss chard	leafminers worms (caterpillars)	6	4	1
stone fruits*, including, but not limited to: apricots, cherries, nectarines, peaches, plums, and prunes	borers fruit flies leafminers leafrollers thrips worms (caterpillars)	6	7	peach, apricot, all except cherry plum, prune, nectarine, 14 cherry, plum and prune, 7 nectarine, 1
strawberry	armyworms leafrollers thrips	6	5	1
succulent beans and peas, including, but not limited to: blackeyed pea, garbanzo bean, garden pea, lima bean, snap bean, and snow pea	borers leafminers thrips worms (caterpillars)	6	5	3
sweet corn and popcorn (for earworms, treat silk frequently as it grows)	corn borers worms (caterpillars), including earworm	6	3	1
tree nuts*, including, but not limited to: almonds, cashew, chestnut, macadamia, pecans, pistachio, and walnuts	husk fly (suppression) leafrollers navel orangeworms peach twig borer shuckworms webworms	5	7	***14**
tree fruits*: atemoya, avocado, cherimoya, custard apple, guava, longan, lychee, mango, papaya, passionfruit, rambutan, sapodilla, sapote, star apple, star fruit, and wax jambu	suppression of worms or caterpillars, thrips, and katydid	4	7	1

tuberous and corm vegetables, including, but not limited to: cassava, chayote root, Chinese artichoke, ginger, Jerusalem artichoke, potatoes, sweet potatoes, tumeric, and yams	Colorado potato beetle corn borers leafminers thrips worms (caterpillars)	6	7	7
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*see General Precautions and Restrictions for plants greater than 6 ft. in height.

Ornamentals

Use Site	Pests Controlled	Comments
outdoor ornamentals (herbaceous and woody plants)	emerald ash borer gall midges leaf feeding beetles leafminers sawfly larvae spider mites ¹ thrips worms, including loopers, webworms, bagworms, gypsy moth, and tent caterpillars	Uniformly spray foliage to point of runoff. Uniform coverage of upper and lower leaf surfaces is essential for effective insect control.

¹Apply when spider mites are first observed prior to webbing and before mite populations have become severe. Reapply after 7 to 10 days (3 to 5 days in greenhouses and structures that can be altered to be closed or open) to contact newly hatched nymphs and repeat until infestation is managed. **Uniform coverage of both upper and lower leaf surfaces is critical.** Addition of a nonionic spray adjuvant at 0.1% v/v has been shown to enhance control of spider mites (follow surfactant manufacturer's label recommendations).

Limited Warranty and Disclaimer

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.

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents) call National Pesticide Information Center at 1-800-858-7378.

Bonide Products, Inc.
 6301 Sutliff Road
 Oriskany, NY 13424

[batch code inserted at production]