4-479

12/08/2010

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U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460	EPA Registration No.Date of Issuance:4-UTODEC8DEC92010			
<b>NOTICE OF PESTICIDE:</b> Z Registration	Term of Issuance: Conditional			
(under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	Name of Pesticide Product:			
	Spinosad Dust			
Name and Address of Registrant (include ZIP Code):   Becky Horton   Consultant/Agent,Registrations by Design, Inc. for   Bonide Products, Inc.   P.O. Box 1019   Salem, VA 24153   Note: Changes in labeling differing in substance from that accepted in conner and accepted by the Registration Division prior to use of the label in commer refer to the above EPA registration number.				
On the basis of information furnished by the registrant, the above nam Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recomm order to protect health and the environment, the Administrator, on his the registration of a pesticide in accordance with the Act. The accepta registration of a product under this Act is not to be construed as giving name or to its use if it has been covered by others. This product is conditionally registered in accordance with FIFRA sec	nendation of this product by the Agency. In motion, may at any time suspend or cancel unce of any name in connection with the g the registrant a right to exclusive use of the			
(See comments on page 2)				
A copy of your label stamped "Accepted with Comments" is enclosed for your records.				
Signature of Approving Official:	Date:			
Refer to Page 2 Mark Suarez, Product Manager (13)	DEC 8 2010			
Registration Division, Insecticide Branch				

EPA Form 8570-6

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The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable subject to the comments listed below.

1. Revise the EPA Registration Number to read, "EPA Reg. No. 4-479"

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2. After 1 year submit product storage stability (OPPTS guideline 830.6317) and corrosion characteristics (OPPTS guideline 830.6320) data.

Two copies of the finished labeling must be submitted prior to releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. If you have any questions, you may contact Samantha Hulkower, at (703) 603-0683, or via email at <u>Hulkower.samantha@epa.gov</u>.

Sincenely, Mark Sharez Product Manager 13

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Insecticide Branch Registration Division (7505P)

Enclosure



Spinosad<sup>®</sup> Dust

ACCEPTED with COMMENTS in EPA Lenter Dated:

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DEC 8 2010 Under the Federal Insecticity, Projectie and insections Act as amounted, for the performance registered 4 - 471

[Additional Brand Name: Captain Jack's Deadbug Brew<sup>®</sup> Dust]

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

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 listed insects in vegetable gardens Controls listed insects in the garden For vegetables **Contains spinosad** Do-it-yourself home garden insect control Leaves no oily residue Kills listed home garden insect pests Short post-harvest interval Pick apples 7 days after application.

EPA Reg. No. 4-\_\_\_\_ Dec. 1, 2010 - revised EPA Est. No. 4-NY-1 Page 1 of 6 Pages Contains [trademark] Naturalyte® insect control

A [trademark] Naturalyte<sup>®</sup> insect control product

Use on fruits, vegetables, berries, citrus, grapes, nuts <u>and</u> ornamentals.

Kills bagworms, borers, beetles, caterpillars, codling moth, gypsy moth, loopers, leaf miners, spider mites, tent caterpillars, thrips and other listed pests!

Captain Jack'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 Jack, 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.

Be patient, it will take 1 - 2 days for insects to die off.

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Active Ingredient: spinosad (a mixture of spinosyn A	
and spinosyn D)	0.001%
Other Ingredients	
Total	

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

# 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.

<sup>®</sup>Trademark of Dow AgroSciences LLC

Net Weight 1 LB, 2 LB, 2.5 LB, 3 LB, 4 LB, 5 LB, 10 LB

### **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.

### **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.

## How to Apply

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. One pound will cover approximately 1,000 sq. ft.

[When packaged in rigid, plastic container with shaker top:

Shake to fluff powder. This container is a dust applicator. Shake over plants to be treated or crush the sides of the canister in and rapidly squeeze and release in order to get a bellows dusting effect. Follow the instructions for each plant.]

[When packaged in bags:

For use with a crank garden duster or bulb duster. Follow the instructions for each plant.]

## 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**

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

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# 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* 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	3	7	60
bushberries and caneberries, blackberry, blueberry, currant, elderberry, gooseberry, huckleberry, juneberry, lingonberry,loganberry, raspberry, and salal	armyworms fireworms fruitfly ( <i>Drosophila</i> ) fruitworms leafrollers loopers thrips	6	6	3
<b>citrus trees*,</b> grapefruit, lemons, limes, oranges, and tangerines (to prevent fruit scarring from thrips, treat when fruit is marble size)	katydids leafminers thrips worms (caterpillars)	6	6	1
cole crops (Brassica vegetables), 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
<b>cucurbits,</b> 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
<b>fruiting vegetables,</b> eggplant, ground cherry, okra, pepino, pepper, tomatillo, and tomato	Colorado potato beetle leafminers thrips worms (caterpillars)	6	4	1

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grape	leafrollers	6	5	7
5	thrips		_	
	worms (berry moth)			
leafy and dried herbs	leafminers	5	7	1
····· <b>,</b> ·····	thrips	-	-	
	worms (caterpillars)			
leafy vegetables, arugula, celery,	leafminers	6	4	1
chervil, corn salad, cress,	worms (caterpillars)			
dandelion, dock, edible				
chrysanthemum, endive, fennel,				
garden purslane, head and leaf				
lettuce, parsley, radicchio,				
rhubarb, spinach, and Swiss				
chard				
stone fruits*, apricots, cherries,	borers	6	7	peach, apricot,
nectarines, peaches, plums, and	fruit flies (Drosophila)			all except cherry
prunes	leafminers			plum, prune,
	leafrollers			nectarine, 14
	thrips			cherry, plum and
	worms (caterpillars)			prune, 7
		<u>^</u>		nectarine, 1
strawberry	armyworms leafrollers	6	5	1
	thrips			
succulent beans and peas,	borers	6	5	3
blackeyed pea, garbanzo bean,	leafminers	0	5	3
garden pea, lima bean, snap	thrips			
bean, and snow pea	worms (caterpillars)			
sweet corn and popcorn (for	corn borers	6	3	sweet corn 1
earworms, treat silk frequently as	worms (caterpillars),	Ŭ		popcorn 28
it grows)	including earworm			popooninzo
tree nuts*, almonds, cashew,	husk fly (suppression)	5	7	1
chestnut, macadamia, pecans,	leafrollers	Ţ		
pistachio, and walnuts	navel orangeworms			
• • •	peach twig borer		1	
	shuckworms			
	webworms			
tree fruits*: atemoya, avocado,	suppression of worms	4	7	1
cherimoya, custard apple, guava,	or caterpillars, thrips,			
longan, lychee, mango, papaya,	and katydids			
passionfruit, rambutan, sapodilla,				
sapote, star apple, star fruit, and	1			
wax jambu			<u> </u>	
tuberous and corm vegetables,	Colorado potato beetle	6	7	7
cassava, chayote root, Chinese	corn borers			
artichoke, ginger, Jerusalem	leafminers			
artichoke, potatoes, sweet	thrips		]	
potatoes, tumeric, and yams	worms (caterpillars)	L	l	l

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\*see General Precautions and Restrictions for plants greater than 6 ft. in height.

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## **Ornamentals**

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Use Site	Pests Controlled	Comments
outdoor ornamentals (herbaceous and woody plants)	gall midges leaf feeding beetles leafminers sawfly larvae spider mites <sup>1</sup> thrips worms, including loopers, webworms, bagworms, gypsy moth, and tent caterpillars	Uniform coverage of upper and lower leaf surfaces is essential for effective insect control.

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<sup>1</sup>Apply 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.

### 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's hall be limited to the amount of the purchase price.

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]

EPA Reg. No. 4-\_\_\_\_ Dec. 1, 2010 - revised