

62719-314

01-14-2010

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Dr. Kenneth D. Racke, Ph.D.  
Product Registration  
Dow AgroScience LLC  
9330 Zionsville Road  
Indianapolis, IN 46268

JAN 14 2010

SUBJECT: Application for Pesticide Notification (PRN 98-10)  
Request Directions for Use: Comply with State of New York Request  
EPA Reg. No. 62719-314  
Application Dated November 12, 2009

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 11/12/09 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

	United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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**Application for Pesticide - Section I**

1. Company/Product Number Dow AgroSciences/62719-314	2. EPA Product Manager Kimberly A. Nesci	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dow AgroSciences/Spinosad 0.5% SC	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268 <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. <b>JAN 14 2010</b>

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

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of 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.

**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**

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

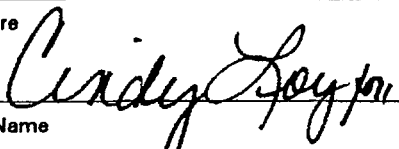
**Section - IV**

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

Name Kenneth D. Racke, Ph.D.	Title Regulatory Manager	Telephone No. (Include Area Code) (317) 337-4654 (fax: 317-337-4649)
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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 	3. Title Regulatory Manager	6. Date Application Received (Stamped) _____ _____ _____ _____ _____ _____
4. Typed Name Kenneth D. Racke, Ph.D. (kracke@dow.com)	5. Date November 12, 2009	

Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268-1054

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308/2E  
November 12, 2009

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U. S. Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

SPINOSAD 0.5% SC (A.I. SPINOSAD)  
EPA REGISTRATION NUMBER: 62719-314  
NOTIFICATION OF MINOR LABEL CHANGE PER PR NOTICE 98-10

Enclosed please find labeling for the notification action of Spinosad 0.5% SC insect control product. The following change has been made by notification:

- 1. Hose End Sprayer Directions: At the request of New York State, added specific step-wise directions.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of 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.

**Contents of Submission**

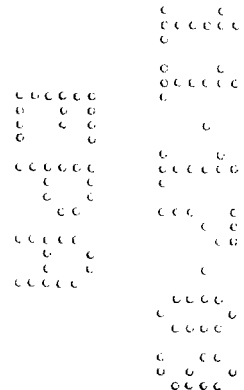
- Transmittal document (this letter)
- Application for Pesticide, EPA Form 8570-1
- Label entitled Spinosad 0.5% SC (T6P/Spinosad 0.5% SC/Notif/11-12-09) (12 Pages plus Registration Notes) (1 Copy)

If you require further information, please contact Cindy Loy, Regulatory Specialist at (317) 337-4655.

Sincerely,

Kenneth D. Racke, Ph.D.  
Regulatory Leader  
(317) 337-4654  
(317) 337-4649 (FAX)

Enclosures





(Base label):

# Spinosad 0.5% SC

Insect Control Product

## FOR RESIDENTIAL USE IN HOME GARDENS, LAWNS 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
- Lawns
- Outdoor herbaceous and woody ornamentals
- Fire ant control in lawns, ornamentals, home gardens, and other outdoor areas

**NOTIFICATION**

**JAN 14 2010**

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

and/or  
**Liquid concentrate**

and/or  
**Easy to use**

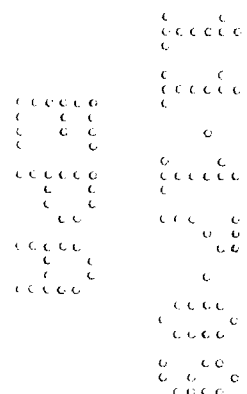
and/or  
**User friendly**

and/or  
**No guesswork**

and/or  
**CONCENTRATE**

and/or  
**For vegetables, apples, and citrus trees**

and/or



**Controls worms (caterpillars)**

and/or

**Kills worms (caterpillars)**

and/or

**Controls citrus leafminers**

and/or

**Controls Colorado potato beetle**

and/or

**Kills Colorado potato beetle**

and/or

**Controls certain insects in vegetable gardens**

and/or

**Controls certain insects in the garden**

and/or

**Controls certain insects in vegetable gardens**

and/or

**For vegetables**

and/or

**No odor water-based formula**

and/or

**Water-based formula**

and/or

**Contains spinosad**

and/or

**Do-it-yourself home garden insect control**

and/or

**Leaves no oily residue**

and/or

**Kills certain home garden insect pests**

and/or

**Short post-harvest interval**

and/or

**Pick apples 7 days after spraying**

and/or

**Contains [trademark] Naturalyte® insect control**

and/or

**A [trademark] Naturalyte® insect control product**

and/or

**Provides [excellent] control of [worms] [Colorado potato beetle] [fire ants] [thrips]**

and/or

**Provides control of [spider mites] [worms] [Colorado potato beetle] [fire ants] [thrips]**

and/or

**Can be used in [home lawns] [ornamentals] [gardens] [fruit trees] [nuts] [grapes] [home orchards]**

and/or

**Not intended to imply environmental safety either alone or compared to other products**

Active Ingredient:

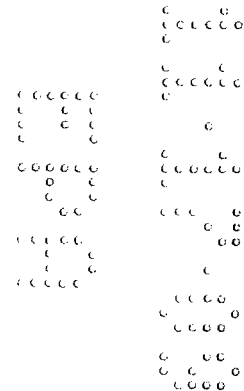
spinosad (a mixture of spinosyn A  
and spinosyn D) ..... 0.5%

Other Ingredients ..... 99.5%

Total ..... 100.0%

Contains 0.04 lb of active ingredient per gallon.

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





Listed by the Organic Materials Review Institute (OMRI) for use in organic production.



For Organic Production

**Keep Out of Reach of Children**

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**Precautionary Statements**

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**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. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

**Physical or Chemical Hazards**

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

**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.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

**If empty:** Place in trash or offer for recycling if available.

**If partly filled:** Call your local solid waste agency or 1-800-992-5994 for disposal instructions. Never place unused product down any indoor or outdoor drain.

Refer to label booklet for Directions for Use.

**Notice:** Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

**Shake Well Before Use -- Avoid Freezing**

Agricultural Chemical: Do not ship or store with food, feeds, drugs, or clothing.

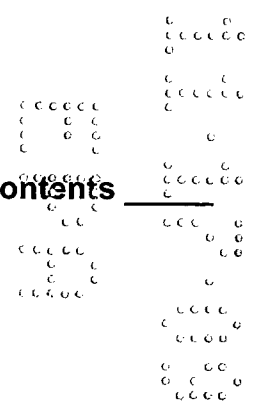
EPA Reg. No. 62719-314

EPA Est. \_\_\_\_\_

®Trademark of Dow AgroSciences LLC

**Produced for  
Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268**

**Net Contents** \_\_\_\_\_



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(Label booklet cover):

# Spinosad 0.5% SC

## Insect Control Product

**FOR RESIDENTIAL USE IN HOME GARDENS, LAWNS 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
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- 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
- Lawns
- Outdoor herbaceous and woody ornamentals
- Fire ant control in lawns, ornamentals, home gardens, and other outdoor areas

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

and/or  
**Liquid concentrate**

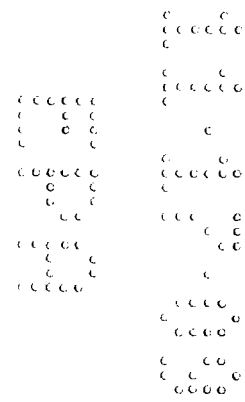
and/or  
**Easy to use**

and/or  
**User friendly**

and/or  
**No guesswork**

and/or  
**CONCENTRATE**

and/or  
**For vegetables, apples, and citrus trees**





**Controls worms (caterpillars)**  
and/or

**Kills worms (caterpillars)**  
and/or

**Controls citrus leafminers**  
and/or

**Controls Colorado potato beetle**  
and/or

**Kills Colorado potato beetle**  
and/or

**Controls certain insects in vegetable gardens**  
and/or

**Controls certain insects in the garden**  
and/or

**Controls certain insects in vegetable gardens**  
and/or

**For vegetables**  
and/or

**No odor water-based formula**  
and/or

**Water-based formula**  
and/or

**Contains spinosad**  
and/or

**Do-it-yourself home garden insect control**  
and/or

**Leaves no oily residue**  
and/or

**Kills certain home garden insect pests**  
and/or

**Short post-harvest interval**  
and/or

**Pick apples 7 days after spraying**  
and/or

**Contains [trademark] Naturallyte® insect control**  
and/or

**A [trademark] Naturallyte® insect control product**  
and/or

**Provides [excellent] control of [worms] [Colorado potato beetle] [fire ants] [thrips]**  
and/or

**Provides control of [spider mites] [worms] [Colorado potato beetle] [fire ants] [thrips]**  
and/or

**Can be used in [home lawns] [ornamentals] [gardens] [fruit trees] [nuts] [grapes] [home orchards]**  
and/or

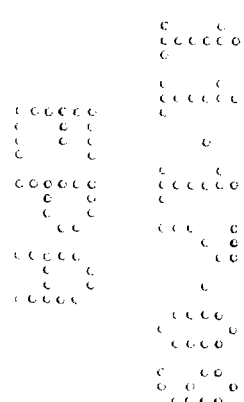
**Not intended to imply environmental safety either alone or compared to other products**

Active Ingredient:

spinosad (a mixture of spinosyn A and spinosyn D) .....	0.5%
Other Ingredients .....	99.5%
Total .....	100.0%

Contains 0.04 lb of active ingredient per gallon.

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



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Listed by the Organic Materials Review Institute (OMRI) for use in organic production.



For Organic Production

### Keep Out of Reach of Children

Refer to inside of label booklet for additional precautionary information including Directions for Use.

**Notice:** Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

Agricultural Chemical: Do not ship or store with food, feeds, drugs, or clothing.

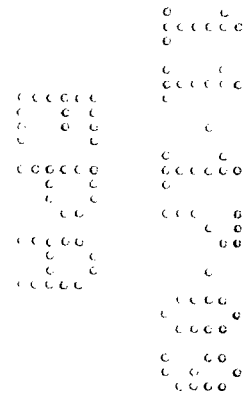
EPA Reg. No. 62719-314

EPA Est. \_\_\_\_\_

®Trademark of Dow AgroSciences LLC

**Produced for  
Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268**

**Net Contents \_\_\_\_\_**



(Page 1 through end):

**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. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

**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, lawns 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.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

**If empty:** Place in trash or offer for recycling if available.

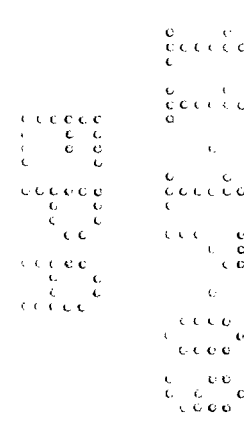
**If partly filled:** Call your local solid waste agency or 1-800-992-5994 for disposal instructions. Never place unused product down any indoor or outdoor drain.

Spinosad 0.5% SC insect control product is intended for control of worms (caterpillars) and other listed insects. Spinosad 0.5% SC 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.

**How to Mix**

Add the required amount of Spinosad 0.5% SC to the recommended amount of water, mix thoroughly, and apply uniformly to both upper and lower surfaces of plant foliage. It is recommended to mix only as much spray as needed for a single treatment. In vegetable gardens it is recommended to use not more than 3 gallons of spray for 1000 sq ft of area. Do not use kitchen utensils for measuring. Keep measuring utensils with product and away from children.

Unit of Measure <sup>1</sup>	Amount of Spinosad 0.5% SC to Use per Pint, Quart or Gallon of Spray		
	Per Pint (16 fl oz) of Spray	Per Quart (32 fl oz) of Spray	Per Gallon (128 fl oz) of Spray
Fluid Ounces (fl oz)	0.25 fl oz	0.5 fl oz	2 fl oz
Milliliters (mL)	7.5 mL	15 mL	60 mL
Tablespoons (Tbs)	1/2 Tbs	1 Tbs	4 Tbs



Teaspoons (tsp)	1 1/2 tsp	3 tsp	12 tsp
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Conversion factors: 1 fl oz = 30 mL = 2 tablespoons (Tbs) = 6 teaspoons (tsp) (1 teaspoon = 1/3 tablespoon)

## How to Apply

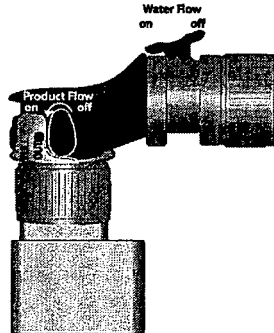
### Shake Well Before Use

Spinosad 0.5% SC may be applied with trigger sprayer, hand-held, backpack, or hose-end sprayers. Use a hose-end sprayer that can be adjusted to provide a dilution ratio of about 2 fl oz of Spinosad 0.5% SC (4 Tbs) per gallon of spray. **[Editor's Note:** The following statement should be included in the label if product is packaged to be applied with a hose-end sprayer.] See Hose-End Sprayer Directions below if this product is packaged in a hose-end sprayer.

### Hose-End Sprayer Directions

**[Editors note: Formulator label may include directions and graphic(s) for a hose-end sprayer application. Some states may require specific hose-end sprayer directions to be on the basic registrant's label before the formulator may add hose-end sprayer directions to its label.]**

1. Before beginning, make sure the top blue water flow valve is in the "off" position and the side red product flow valve is up in the "off" position.
2. Shake container well and attach it to the garden hose.
3. Turn on the water faucet.
4. To apply, remove the side pin labeled "PULL OUT" and rotate the side red product flow valve counterclockwise to the "on" position. While holding the sprayer at waist height, point the sprayer away from your face and body, and put the top blue water flow valve forward to activate the water.
5. When spraying is complete, or if spraying stops at any time, press the top blue water flow valve with thumb to the rear to shut off the water. Turn the side red product flow valve clockwise to the upright "off" position and replace the side pin.
6. Turn off the water at the faucet.
7. Remove the container from the garden hose, rinse thoroughly, and follow the directions in the Storage and Disposal section for storing or disposing of the container.

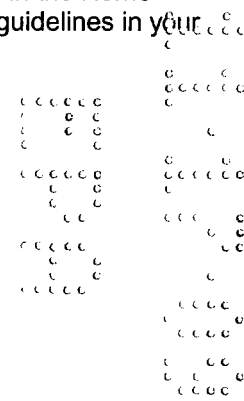


## When to Apply

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

### Home Gardens



In the state of Georgia, do not apply Spinosad 0.5% SC 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
<b>apple and other pome fruits</b> including crabapples, mayhaw, pears, and quince	codling moth leafminers leafrollers oriental fruit moth tufted apple budmoth	6	10	7
<b>asparagus</b> (post-harvest to protect ferns)	asparagus beetles	4	7	60
<b>bushberries and caneberries</b> including blackberry, blueberry, currant, elderberry, gooseberry, huckleberry, juneberry, lingonberry, loganberry, raspberry, and salal	armyworms fireworms fruitfly (suppression) fruitworms leafrollers loopers thrips	6	6	3
<b>citrus trees</b> including 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
<b>cole crops (Brassica vegetables)</b> including broccoli, broccoli raab, brussels sprouts, cauliflower, cavalo, cabbage, Chinese broccoli, 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> including 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> including eggplant, ground cherry, okra, pepino, pepper, tomatillo, and tomato	Colorado potato beetle leafminers thrips worms (caterpillars)	6	4	1
<b>grape</b>	leafrollers thrips worms (berry moth)	6	5	7
<b>leafy and dried herbs</b>	leafminers thrips worms (caterpillars)	5	7	
<b>leafy vegetables</b> including arugula, celery, chervil, corn salad, cress, dandelion, dock,	leafminers worms (caterpillars)	6	4	1

edible chrysanthemum, endive, fennel, garden purslane, head and leaf lettuce, parsley, radicchio, rhubarb, spinach, and Swiss chard				
<b>stone fruits</b> including 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
<b>strawberry</b>	armyworms leafrollers thrips	6	5	1
<b>succulent beans and peas</b> including blackeyed pea, garbanzo bean, garden pea, lima bean, snap bean, and snow pea	borers leafminers thrips worms (caterpillars)	6	5	3
<b>sweet corn and popcorn</b> (for earworms, treat silk frequently as it grows)	corn borers worms (caterpillars), including earworm	6	3	1
<b>tree nuts</b> including almonds, cashew, chestnut, macadamia, pecans, pistachio, and walnuts	husk fly (suppression) leafrollers navel orangeworms peach twig borer shuckworms webworms	5	7	14
<b>tree fruits:</b> 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 katydids	4	7	1
<b>tuberous and corm vegetables</b> including 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
<b>all crops listed in this table</b>	fire ants	See application directions in Lawns and Ornamentals		

**Lawns and Ornamentals**

Use Site	Pests Controlled	Comments
lawns	worms, including small (<3/4") armyworm, and sod webworm cat fleas (suppression only)	Mix the amount of Spinosad 0.5% SC recommended per gallon of spray and uniformly apply a minimum of 3 gallons of spray per 1000 sq ft of area. Delay watering or mowing for 12 to 24 hours after application. <b>Armyworms:</b> For best results, apply in early morning or late afternoon. <b>Cat fleas:</b> Apply early or late in the day since control requires contact with dilute spray before

		drying. Thorough coverage is necessary. Reapply in 7 to 14 days to control adults that have emerged from pupae present at time of initial treatment.
outdoor ornamentals (herbaceous and woody plants)	emerald ash borer <sup>1</sup> gall midges leaf feeding beetles leafminers sawfly larvae spider mites <sup>2</sup> thrips worms including loopers, webworms, bagworms, gypsy moth, and tent caterpillars	Mix the amount of Spinosad 0.5% SC recommended per pint, quart or gallon of spray and uniformly spray foliage to point of runoff. Uniform coverage of upper and lower leaf surfaces is essential for effective insect control.
lawns, ornamentals, home gardens (see listed crops in previous table) and other outdoor areas	fire ants	<b>Individual fire ant mounds:</b> Mix the amount of Spinosad 0.5% SC recommended per gallon of spray and use a sprinkler can or similar device to apply the diluted spray as a mound drench, using 1 to 2 gallons per mound. Do not use pressurized sprays. Apply about 10% of the spray volume around the perimeter of the mound and the remainder directly to the mound. Do not disturb fire ant mound prior to application. If possible, apply following recent rainfall. For best results apply when weather is cool, 65 to 85°F, or in early morning or late evening.

<sup>1</sup>Mix 5 fl oz of Spinosad 0.5% SC per gallon of spray and apply to foliage and bark of the tree when adult emerald ash borer are first observed emerging from the bark or when adult emerald ash borer are first noticed feeding on the leaves of the tree. Reapply every 7 to 10 days until no additional adult emerald ash borer activity is observed. Applications to trees already heavily infested may not prevent the eventual loss of the tree due to existing pest damage.

<sup>2</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.** 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).

**Terms and Conditions of Use**

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.

The registrant acknowledges that this product may be misbranded if one or more of its ingredients, active and/or inert, is reclassified as non-organic and/or removed from the United States Department of Agriculture (USDA) National List of approved substances for use in organic production and handling. If one or more of the ingredients in this pesticide product are so reclassified and/or removed (delisted) from the National List, the registrant will take appropriate remedial measures with respect to the labeling for this product.

**Warranty Disclaimer**

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for

the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. TO THE EXTENT PERMITTED BY LAW, SELLER MAKES NO OTHER EXPRESS NOR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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**Inherent Risks of Use**

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It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Seller. All such risks shall be assumed by Buyer.

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**Limitation of Remedies**

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To the extent permitted by law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

To the extent permitted by law, Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. In no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or Limitation of Remedies in any manner.

EPA accepted 09/13/07

