



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

DEC 14 2000

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

John J. Jachetta, PhD
Regulatory Manager
Regulatory Success-Americas
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Subject: Amendment - Final Printed Label
NAF-371 (A.I. SPINOSAD)
EPA Registration No. 62719-314
Your submission dated September 21, 2000

Dear: Dr. Jachetta:

The amendment referred to above, submitted in connection with registration under section 3 (c)(7)(B) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. A stamped copy of the label is enclosed for your records. If you have any questions, please call Dr. William Sproat of my team at 703-308-8587.

Sincerely,

A handwritten signature in black ink, appearing to read "George T. LaRocca", is written over the word "Sincerely,".

George T. LaRocca
Product Manager 13
Insecticide Branch
Registration Division (7505C)

Enclosure

7505C
SPROAT
12/14/00

NAF-371

FOR RESIDENTIAL USE IN HOME GARDENS, LAWN AND ORNAMENTALS

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

- Fruiting vegetables, such as tomato, pepper 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 fruit, such as peaches, plums, cherries, nectarines, prunes and apricots
- Apple and citrus trees
- Lawns
- Outdoor herbaceous and woody ornamentals
- Fire ant control in ornamentals and other outdoor areas

See "Home Garden and Lawn and Ornamental Treatment Recommendations" tables in Directions for Use for a complete listing of crops and use sites.

[Editor's note: Graphic devices illustrating plants which may be treated and/or pests which attack crops and/or predatory beneficials and/or natural enemies which may be used in conjunction with the below listed statements.]

[Editor's note: Additional Statements for Use as Sale Copy]

and/or

Liquid concentrate

and/or

Easy to use

and/or

User friendly

and/or

No guesswork

and/or

CONCENTRATE

and/or

Makes up to ___ gallons of spray [Editor's note: dilution rate is 2.0 fl oz/gal]

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

ACCEPTED
with COMMENTS
in EPA Letter Dated

DEC 14 2000

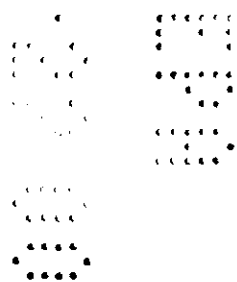
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

62719-314

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

*Trademark of Dow AgroSciences

†[Editor's note : The trademark "Naturalyte" cannot be used in product labels which contain use patterns for professional turf or ornamental markets.]



Active Ingredient:spinosad (a mixture of spinosyn A
and spinosyn D) 0.5%

Inert Ingredients..... 99.5%

Total Ingredients..... 100.0%

Contains 0.04 pounds of active ingredient per gallon.

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

Keep Out of Reach of Children**CAUTION PRECAUTION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Refer to back/side panel for Directions for Use including Storage and Disposal.**Notice:** Read the entire label. Use only according to label directions. **Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies".**

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

[Editor's note: Supplemental distributor may substitute an appropriate "In Case of Emergency" statement.]**Shake Well Before Use – Avoid Freezing**

EPA Registration No. 62719-314

XX XX

EPA Est. _____

Superscripts correspond to places 7 & 8 of lot number
900-000000 / 00000000

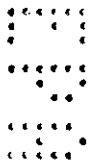
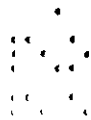
*Trademark of Dow AgroSciences LLC

Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

Insect Control Product**Net Contents _____**

[Insert Bar Code FPO]

[Insert DOT shipping classification and diamond(s)]

Lot

(back/side panel)

Precautionary Statements**CAUTION****Environmental Hazards**

This product is highly toxic to molluscs. This product is highly toxic to bees exposed to direct spray on blooming crops or other vegetation. Avoid use when bees are actively foraging. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Do not put product or rinse water down drain.

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, lawn 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.

Storage: Store in original container only in secure or locked storage area.

Disposal: Securely wrap original container in several layers of newspaper and discard in trash.

NAF-371 [Optional statements: Naturalyte* insect control / insect control product / Naturalyte* insect control, a fermentation-derived insect control product] is intended for control of worms (caterpillars) and other listed insects. Spinosad, the active ingredient in NAF-371 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.

Mixing and Application (Shake Well Before Use)

NAF-371 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 2.0 fl oz (4 Tbs) of product per gallon of spray.

Add the required amount of NAF-371 to the recommended amount of water, mix thoroughly, and apply uniformly to plant foliage to point of runoff. 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 3.0 gallon of spray for 1,000 sq ft of area. Do not use kitchen utensils for measuring. Keep measuring utensils with product and away from children.

Unit of Measure [†]	Amount of NAF-371 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	2.0 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

[†] Conversion factors: 1 fl oz = 30 ml = 2 tablespoons (Tbs) = 6 teaspoons (tsp) (1 teaspoon = 1/3 tablespoon)

When to Apply

Apply when listed pests are present. Repeat applications may be made as indicated in the "Home Garden Treatment Recommendations" table.

Home Garden Treatment Recommendations

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 trees	leafminers leafrollers	6	10	7 days
Citrus trees , including, but not limited to: oranges, grapefruit, lemons, limes, and tangerines	worms (caterpillars) katydid leafminers thrips	6	6	1 day
Stone Fruit , including: peaches, plums, cherries, nectarines, prunes, and apricots	worms (caterpillars) borers leafminers leafrollers fruit flies	6	7	Cherry, plum and prune, 7 days Peach, nectarine and apricot, 14 days
Succulent Beans and Peas , including: but not limited to lima bean, snap bean, blackeyed pea, garden pea, garbanzo bean, and snow pea	worms (caterpillars) borers leafminers thrips	6	5	3 days
Cole Crops (Brassica Vegetables) , including: broccoli, Chinese broccoli, broccoli raab, brussels sprouts, cabbage, Chinese cabbage (bok choy), Chinese cabbage (napa), cauliflower, cavalo, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, Chinese mustard cabbage (gai choy) and rape greens	worms (caterpillars) leafminers	6	4	1 day
Fruiting Vegetables , including: eggplant, ground cherry, pepino, pepper, tomatillo, and tomato	worms (caterpillars) Colorado potato beetle thrips leafminers	6	4	1 day
Cucurbits , including but not limited to: cucumber, summer and winter squash, muskmelons (cantaloupe, honeydew, etc.), pumpkin, edible gourds and watermelon	worms (caterpillars) leafminers thrips	6	5	All except cucumber, 3 days Cucumber, 1 day
Leafy Vegetables , including, but not limited to: head and leaf lettuce, celery, arugula, chervil, edible chrysanthemum, corn salad, cress, dandelion, dock, endive, fennel, parsley, garden	worms (caterpillars) leafminers	6	4	1 day

purslane, radicchio, rhubarb, spinach, and Swiss chard				
Sweet Corn	worms (caterpillars), including earworm corn borers	6	3	1 day
Tuberous and Corm Vegetables , including, but not limited to: potatoes, sweet potatoes, yams, Jerusalem artichoke, Chinese artichoke, Cassava, chayote root, ginger, and tumeric	worms (caterpillars) Colorado potato beetle corn borers leafminers thrips	6	7	7 days

Lawn and Ornamental Recommendations

Use Site	Pests Controlled	Comments
Lawns	worms, including small (<3/4") armyworm, and sod webworm cat fleas (suppression only)	Mix the amount of NAF-371 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 12-24 hours after application. Armyworms: For best results, apply in early morning or late afternoon. Cat Fleas: Apply early or late in the day since control requires contact with dilute spray before drying. Thorough coverage is necessary. Reapply in 7-14 days to control adults that have emerged from pupae present at time of initial treatment.
Outdoor Ornamentals (herbaceous and woody plants)	worms, including loopers, webworms, bagworms, and tent caterpillars gall midges leafminers leaf feeding beetles sawfly larvae thrips	Mix the amount of NAF-371 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 and other Outdoor Areas	Fire ants	Individual Fire Ant Mounds: Mix the amount of NAF-371 recommended per gallon of spray and use a sprinkler can or similar device to apply the diluted spray as a mound drench, using 1-2 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.

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. SELLER MAKES NO EXPRESS NOR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Lack of performance, or other unintended consequences may occur due to such factors as use of the product contrary to label instructions (including adverse conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as extreme weather conditions), 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.

EPA-accepted: 04/13/00