

4.402 8.24.2007

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Nicole Russell
Registration Specialist
Bonide Products, Inc.
6301 Sutliff Road
Oriskany, NY 13424

AUG 24 2007

RE: Bonide Lime Sulfur Spray
EPA Registration Number: 4-402
Date of Submission: July 26, 2007

Dear Ms. Russell:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated July 26, 2007, for the product Bonide Lime Sulfur Spray. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions 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 Joyce Edwards of my staff at 703-308-5479.

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

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United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 4-402	2. EPA Product Manager Waller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Bonide Lime Sulfur Spray	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Bonide Products, Inc. 6301 Sutliff Road Oriskany, NY 13424 Attn: Nicole Russell <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

Amendment - Explain below. Final printed labels in response to Agency letter dated _____

Resubmission in response to Agency letter dated _____ "Me Too" Application.

Notification - Explain below. Other - Explain below.

NOTIFICATION

AUG 24 2007

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

NOTIFICATION: Addition of optional registered trademark logo and removal of reference to 1-800-CLEANUP. 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 CSF of this product. Bonide Products, Inc. understands that it is a violation of 18 U. S. C. Sec. 1001 to willfully make any false statement to EPA and further understands 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 Bonide Products, Inc. may be subject to enforcement action and penalties under section 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 Nicole Russell	Title Registration Specialist	Telephone No. (Include Area Code) 315 733-8231 ext 220
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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 Registration Specialist	6. Date Application Received (Stamped)
4. Typed Name Nicole Russell	5. Date 07-26-07	

Lime Sulfur Spray

ACTIVE INGREDIENT	
Calcium Polysulfide	30.00%
OTHER INGREDIENTS:	
TOTAL	100.00%

(Total Equivalent sulfur in solution 24.9%)

EPA Est. No. 4-NY-1 EPA Reg. No. 4-402

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



Keep Out Of Reach Of Children

PELIGRO-DANGER

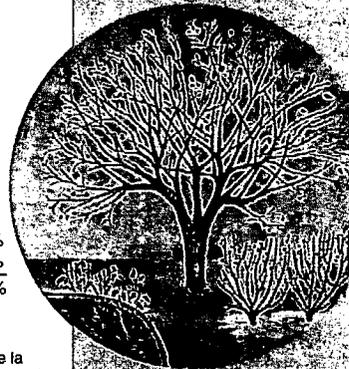
(ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON LABEL ARE TO BE FOLLOWED. SEE DIRECTIONS FOR USE IN BOOKLET.)

Net Contents 32 FL. OZ. (946 M.)

XXXXXXX

TRUSTED SINCE 1926

BONIDE



FOR ORGANIC GARDENING

Insecticide and fungicide for fruit trees, shade trees, shrubs, roses and berries.

Registered
Trademark

AUG 24 2007



Bonide Lime Sulfur Spray

Insecticide and Fungicide for Fruit Trees, Shade Trees, Shrubs, Roses, and Berries

CONTROLS listed insects such as: Scale, Mites and Borers. Controls listed Diseases such as: Peach Leaf Curl, Maple Gall, Leaf Blotch, Powdery Mildew, Anthracnose, Rust and Black Spot. FOR USE ON...listed Fruit Trees, Shade Trees, Shrubs, Roses and Berries.

Store and transport in an upright position.

Manufactured by:
Bonide Products, Inc.
6301 Sutliff Road
Oriskany, NY 13424

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

**KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO**

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).
SEE ADDITIONAL PRECAUTIONARY STATEMENTS INSIDE BOOKLET

ACTIVE INGREDIENT: Calcium Polysulfide.....28.0%
INERT INGREDIENTS: 72.0%
TOTAL: 100.0%

ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON LABEL ARE TO BE FOLLOWED, SEE DIRECTIONS FOR USE IN BOOKLET.

NET CONTENTS: _____

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FIRST AID

- If swallowed**
- Call a poison control center or doctor immediately for treatment advice.
 - Have person sip a 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.
- If in eyes**
- 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.
- If inhaled**
- Move person to fresh air.
 - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
 - Call a poison control center or doctor for further treatment advice.
- If on skin or Clothing**
- Take off contaminated clothing.
 - Rinse skin immediately with plenty of water for 15-20 minutes.
 - Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate gastric lavage

Have the product label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Fatal if swallowed, inhaled or absorbed through skin. This product is corrosive to flesh because of its caustic alkaline nature, and it causes irreversible eye damage and skin burns. Do not breathe dust, vapor, spray mist, or get in eyes, on skin, or on clothing. Wear long-sleeved shirt, long pants, socks, chemical resistant footwear, chemical resistant gloves made of any waterproof material safety glasses or goggles, and hat. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

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ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water when disposing of equipment washers. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur.

PHYSICAL AND CHEMICAL HAZARDS

May give off highly toxic and extremely flammable hydrogen sulfide gas if mixed with acids.

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Not for use on any agriculture commodity or turf being grown for sale or for other commercial use, or for seed production, or for research purposes. For homeowner use only. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or golf courses or lawns and grounds. Do not enter treated area until sprays have dried.

STORAGE AND DISPOSAL

Pesticide Storage: Store in a cool, dry area inaccessible to children or pets. Store and transport in an upright position. Do not store near heat or open flame.

Container Disposal: *If empty* – Do not reuse 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.

ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE LABEL ARE TO BE FOLLOWED

Faulty spray equipment, highly concentrated materials, or extremes of weather during or following spraying may lead to fruit or foliage injury. The risk of spray injury is greater when drought stress exists. The user is advised not to use Lime Sulfur on any crops [sites] unless use has proved that Lime Sulfur does not damage crops [plants] in that locality.

Do not use Lime Sulfur on apricots. Do not use Oil with Lime Sulfur in summer applications. Do not apply when temperatures exceed 85°F. Do not apply Oil following Lime Sulfur, nor Lime Sulfur following Oil, in foliage period. Do not apply this product through any type of irrigation system.

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USE DIRECTIONS

Spray to cover foliage until wet. Spray with the wind to your back. If spray contacts concrete or white painted surfaces, discoloration of this surface may occur.

- **ALMONDS**

For control of **Powdery Mildew, Shothole**; Apply 10½ fl. oz. per gallon of water. Apply every 2 weeks between November 15 and December 15. Dormant application only.

- **APPLES**

For control of **Blotch**; Apply 2½ fl. oz. per gallon of water. Apply in pre-bloom and petal fall stages and 10 days later. **Leaf Spot**; Apply 9½ fl. oz. to 13 fl. oz. per gallon of water in delayed dormant stage or 4 teaspoons per gallon of water in growing season. **Powdery Mildew**; Apply 3.2 fl. oz. per gallon of water. Apply in pre-pink, pink and calyx stages. **Scab**; Apply 2 to 2½ fl. oz. per gallon of water in delayed dormant, pre-pink and pink stage. Precaution: Use on Delicious apples may result in injury. No time limitation.

- **BLACKBERRIES**

For control of **Anthracnose, Powdery Mildew, Rust**; Apply 7½ to 15 fl. oz. per gallon of water. Apply in dormant (green bud) stage. Use 4 teaspoons per gallon of water when fruiting canes are 8 to 12 inches long and before blossoms have opened. **Overwintering Fungus Spores, Cane Blight**; Apply 3 fl. oz. per gallon of water. Apply in dormant stage.

- **BLUEBERRIES**

(Registration and use limited to Pacific Northwest)
To aid in control of **Mummy Berry** (caused by the fungus *Sclerotinia Urnula*); apply a post-harvest (September-October) or early dormant spray of 10¼ fl. oz. per gallon of water.

- **CHERRIES (SWEET)**

For control of **Powdery Mildew**; Apply 9½ fl. oz. per gallon of water. Apply in delayed dormant stage.

- **CHERRIES (TART)**

For control of **Brown Rot Blossom Blight, Leaf Spot, Scab**; Apply 2 fl. oz. per gallon of water. Apply in pre-bloom, early bloom stages. **Brown Rot (fruit), Leaf Spot, Powdery Mildew**; Apply 4 teaspoons per gallon of water. Apply 3 to 5 sprays at weekly intervals just before harvest.

- **CITRUS**

For control of **Red Spider Mites**; Apply 2½ fl. oz. per gallon of water. Apply when the mites appear. **Thrips**; Apply 2½ fl. oz. per gallon of water. Apply as recommended by your State Agriculture Experiment Stations.

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● **CURRENTS, GOOSEBERRIES**

For control of **Anthraxnose**; Apply 3¼ fl. oz. per gallon of water. Apply at bud break stage, and 10 to 15 days later. Use ½ fl. oz. per gallon of water at 10 day intervals after second spray if necessary. **Powdery Mildew**; Apply ½ fl. oz. per gallon of water. Apply before and after bloom.

● **FRUIT TREES (BEARING)**

For control of **Overwintering Fungus Spores**; Apply 4½ fl. oz. per gallon of water. Apply in dormant stage.

● **FRUIT TREES (NON-BEARING)**

For control of **Blotch, Powdery Mildew, Scab**; Apply 5 teaspoons per gallon of water. Apply at cluster bud and pre-bloom stages.

● **GRAPES**

For control of **Anthraxnose, Powdery Mildew**; Apply 4 teaspoons per gallon of water. Apply when new shoots are 4 to 6 inches long. **(Dormant Only): Powdery Mildew, Mealybugs**; Apply 2½ to 6½ fl. oz. per gallon of water.

● **NECTARINES**

For control of **Brown Rot, Leaf Spot, Shothole**; Apply 4 teaspoons per gallon of water. Apply 3 to 5 times at weekly intervals before harvest. **Leaf Curl**; Apply 7¾ fl. oz. per gallon of water. Apply in early winter and late dormant period. **Powdery Mildew**; Apply 4 to 6 teaspoons per gallon of water. Apply when disease appears.

● **PEACHES**

For control of **Brown Rot, Leaf Spot**; Apply 4 teaspoons per gallon of water. Apply 3 to 5 times at weekly intervals before harvest. **Brown Rot Blossom Blight**; Apply 1 to 2 fl. oz. per gallon of water. Apply in pre-bloom, early bloom and full bloom stages. **Leaf Curl, Scab, Shothole**; Apply 12½ to 15 fl. oz. per gallon of water. Apply in dormant season. **Powdery Mildew**; Apply 9½ fl. oz. per gallon of water at green tip stage. Use ½ fl. oz. per gallon of water on summer foliage.

● **PEARS**

For control of **Pear Psylla, Rust Mite, Blister Mite**; Apply 5 fl. oz. per gallon of water plus 1 fl. oz. light medium summer oil. Apply as post-harvest spray. **Bud Mite** (Pacific Coast States); Apply 6½ fl. oz. plus 2½ fl. oz. light medium summer oil. Apply in the fall after temperature cools but before the first frost at the times mites first penetrate under the bud scales. **Pear Leaf Blister Mite**; Apply 6½ fl. oz. to 9½ fl. oz. per gallon of water. Apply in dormant season up to time buds swell. May be combined with oils labeled for dormant use. **Scab**; Apply 6½ fl. oz. per gallon of water. Apply at cracked bud stage and 4 to 6 teaspoons per gallon of water at cluster bud stage.

● **PLUMS**

For control of **Blotch, Powdery Mildew**; Apply 4 teaspoons per gallon of water. Begin 3 to 5 weeks before harvest. Repeat weekly until picking. **Black Knot**; Apply 8 fl. oz. per gallon of water. Apply in green tip stage. **Brown Rot (Fruit Rot)**; Apply 1 fl. oz. per gallon of water. Apply 20, 10, and 2 days before harvest. **Leaf Curl**; Apply 12½ to 15 fl. oz. per gallon of water. Apply in dormant stage.

● **PRUNES**

For control of **Black Knot**; Apply 8 fl. oz. per gallon of water. Apply in green tip stage. **Brown Rot (Fruit Rot), Leaf Spot, Powdery Mildew**; Apply 4 teaspoons per gallon of water and begin 3 to 5 weeks before harvest. Apply at weekly intervals until picking.

● **RASPBERRIES**

For control of **Anthracoese, Powdery Mildew**; Apply 10½ fl. oz. per gallon of water. Spray once when new canes are 8 to 12 inches long. **Cane Blight**; Apply 1¼ fl. oz. per gallon of water. Apply at spring bud swell. Repeat in late fall dormant period. **Spur Blight**; Apply 12½ to 15 fl. oz. per gallon of water. Apply in delayed dormant stage when buds begin to break and show silver.

● **SHADE TREES, SHRUBS**

For control of **San Jose Scale, Nectria Canker, Maple Gall, Leaf Blotch, Olive Scale**, and as an aid in the control of **Powdery Mildew, Anthracnose**; Apply 5 fl. oz. plus 1 fl. oz. light medium summer oil per gallon of water, once in early spring before buds swell. Do not apply to Evergreens, Euonymus or Rhododendrons or allow spray to drift on these susceptible species. Full season control of Powdery Mildew and Anthracnose will require additional application of fungicide. Keep agitated during spraying.

EARLY SPRING SPRAYING (AS GROWTH STARTS)

● **ROSES**

For control of **Rose and San Jose Scale, Case Bearer, Powdery Mildew**; Apply 4 fl. oz. per gallon of water. Apply in spring before buds swell and again in fall after leaves drop.

SUMMER FOLIAGE SPRAYING

● **ROSES**

For control of **Black Spot, Powdery Mildew, Rust, and Red Spider**; Apply ½ fl. oz. per gallon of water. Apply at 10 to 15 day intervals in growing season.

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COMBINATION WINTER SPRAY

- **FRUIT TREES, ROSES and DECIDUOUS HEDGE PLANTS, SHADE TREES and SHRUBS (DORMANT and DECIDUOUS ONLY)**

San Jose Scale, Rose Scale, Oyster Shell Scale, Brown Apricot Scale, BlackScale, Overwintering Insect Eggs, many Overwintering Fungus Spores or Plant Disease:

For Best Results: Use 1½ pints Bonide Lime Sulfur Spray and ½ pint Bonide All Seasons Horticultural & Dormant Spray Oil in 6 gallons of water (7½ tablespoons Bonide Lime Sulfur Spray, 2½ tablespoons Bonide All Seasons Horticultural & Dormant Spray Oil per gallon). Keep agitated during spraying.

Buyer's Guarantee Limited to Label Claims

Bonide Products, Inc.

6301 Sutliff Rd.
Oriskany, NY 13424

Phone (315) 736-8231
Fax (315) 736-7582

July 26, 2007

FedEx: 8614 2487 7417

Linda Arrington
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
US Environmental Protection Agency
Room S4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

RE: Bonide Lime Sulfur Spray
EPA Reg. No. 4-402
Notification – Addition of optional registered trademark logo and removal of reference to
1-800-CLEANUP.

Linda,

Thank you for taking the time with us to discuss the previous submission dated May 31, 2007. Enclosed, please find the replacement submission including; a completed form 8570-1, Notification and labeling for the above mentioned registration. Changes are in red text with yellow highlight. I trust you will find everything in order for approval.

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.

Should you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,



Nicole Russell
Registration Specialist

Enclosure