

19713-289

7-30-1999

1/5

Please read instructions on reverse before complete form. Form Approved. (EPA No. 2070-0060, Approval expires 2-28-95)



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 19713-289	2. EPA Product Manager MS. CYNTHIA GILES-PARKER	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) IDA INC. BASIC COPPER SULFATE II	PM# 22 FUNGICIDE BRANCH	
5. Name and Address of Applicant (Include ZIP Code) Drexel Chemical Company, P.O. Box 13327 MEMPHIS, TN 38113-0327 <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 checked="" 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.

NOTIFICATION
JUL 30 1999

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Per PR Notice 98-10, we are submitting, herewith, one copy of the printed label (289SP-0799) with the primary brand name changed from IDA Inc Basic Copper Sulfate II to Drexel Basic Copper Sulfate. The label of this product is similar with Drexel Basic Copper Sulfate (EPA Reg. No. 19713-72) since it is a 100% repackaging of this said product. Enclosed please find a copy of the final printed label of Drexel Basic Copper Sulfate (72SP-0799) for your kind reference.

A Certification Statement is also submitted herewith. Thank you.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
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		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

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

Name LUZ G PIWONKA	Title REGISTRATION MANAGER	Telephone No: (Include Area Code) (901) 774-4370
-----------------------	-------------------------------	---

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 MANAGER
4. Typed Name LUZ G PIWONKA	5. Date July 21, 1999

6. Date Application Received

(Stamped)

.....

2/5



Drexel

Drexel Chemical Company

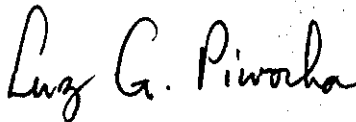
July 21, 1999

Notification of Submission of Label Revisions as per PR Notice 98-10 – Change of Primary Brand Name

DREXEL BASIC KOPPER SULFATE (EPA Reg. No. 19713-289)

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.

FOR DREXEL CHEMICAL COMPANY



LUZ G PIWONKA
Registration Manager

3/5

NOTIFICATION

JUL 30 1999



Drexel

Basic Kopper Sulfate

ACTIVE INGREDIENT:

Basic copper sulfate*..... 98.0%

OTHER INGREDIENTS:..... 2.0%

TOTAL:..... 100.0%

*Metallic copper equivalent is 53.0%.

KEEP OUT OF REACH OF CHILDREN

WARNING / AVISO

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 **FIRST AID** Below

EPA Reg. No. 19713-289

EPA Est. No. 19713-GA-1

Net Contents: _____

FIRST AID

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

IF ON SKIN: Immediately remove contaminated clothing, including shoes, and wash skin with soap and plenty of water. If irritation develops, send for a physician.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Causes substantial but temporary eye injury. Harmful if swallowed. Avoid breathing spray mist. May cause irritation of nose, throat and skin. May cause skin sensitization in certain individuals. Avoid contact with eyes, skin and clothing. Do not contaminate feed and food stuffs.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: Long-sleeved shirt and long pants, shoes plus socks and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing immediately if pesticide gets inside. (3) Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not contaminate water by cleaning of equipment or disposal of wastes.

RECOMMENDATIONS

Mixing: Fill the spray tank approximately 1/2 full of water and with agitator running add the required amount of this product. Add water to fill the spray tank 3/4 full and when a spreader sticker is recommended, add the recommended amounts according to the manufacturer's recommendation. Fill the spray tank and keep agitator running until spraying is completed.

This product is compatible with oils and can be included in dormant oil sprays.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. **DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.** Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted entry interval (REI) and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, waterproof gloves, shoes plus socks and protective eyewear.

FRUITS AND NUTS

ALMONDS: Brown rot, Shot hole — **CONVENTIONAL DILUTE SPRAY:** Use 4 to 5 pounds in 100 gallons of water with 1 gallon sticker and apply 350 to 400 gallons per acre. Bud sprays for control of Brown rot and Shot hole should be applied at pink bud through popcorn stage. Do not spray after trees are in leaf. As a dormant spray for control of Brown rot and Shot hole, apply December 15 to January 15. **CONCENTRATE SPRAYERS:** Use 9 to 12 pounds combined with 1 to 2 gallons of a sticker and apply as above in 25 to 50 gallons of water per acre.

Note: Use 12 pounds per acre through swelling buds and 9 pounds per acre in popcorn stage. With aerial sprays, during the dormant season for control of Brown rot and Shot hole, apply 13 to 20 pounds per acre in 20 gallons of water combined with a spreader sticker. See "IMPORTANT NOTE" at bottom of this use section.



Manufactured By:

Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38143-0327

SINCE 1972

4/5

APRICOTS: Brown rot, Shot hole — **CONCENTRATE DILUTE SPRAY:** Use 4 to 5 pounds per 100 gallons of water combined with ½ to 1½ gallons of sticker. As a dormant spray for control of Shot hole disease, apply November 15 to January 15. Bud sprays for control of Brown rot should be applied through swelling buds and popcorn stage. Do not spray when trees are in leaf. **CONCENTRATE SPRAY:** Use 10 to 12 pounds combined with 1 to 1½ gallons of sticker per acre and apply as above.

Note: Use 12 pounds per acre through swelling buds and reduce to 10 pounds in popcorn stage. When Bud blight is a problem, apply the maximum rate shown above after most of the leaves have fallen in the Fall, usually November and December, but ahead of Fall rains. See "IMPORTANT NOTE" at bottom of this use section.

AVOCADOS: Anthracnose, Blotch, Scab — Use 3 pounds per 100 gallons of water. Begin treatment when blossom buds open. Repeat at 4 week intervals for a total of 5 applications. Do not apply later than 140 days after bloom.

BERRIES (Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries): Anthracnose — Use 2 pounds per 100 gallons of water. Begin spray when leaf buds begin to open. Repeat when flower buds show white and continue at 10 to 14 day intervals. Leaf and Cane spot and Yellow rust — On Spring days, use 2 pounds per 100 gallons of water and apply when leaf buds begin to open and repeat when flower buds show white. Also make a post-harvest spray after pruning, but before Fall rains begin to fall using 6 pounds per 100 gallons of water combined with 1 to 1½ gallons of sticker.

CHERRIES (Sour): Blossom blight, Brown rot — Use 4 to 5 pounds per 100 gallons of water plus ½ to 1 gallon of spreader sticker. Apply at popcorn and late bloom stages. In late bloom spray, add 5 pounds of hydrate lime per 100 gallons of spray. For Leaf spot, apply 4 to 5 pounds plus 5 pounds of hydrated lime per 100 gallons applied at petal fall. For Shot hole, use 4 to 5 pounds per 100 gallons of water plus ½ to 1 gallon of sticker and apply as dormant spray.

CITRUS: Brown rot — Use 1 pound per 100 gallons of water (FL only use 2 pounds per 100 gallons of water). A spreader sticker may be used where local conditions require. Apply at first indication of rain or first appearance of Brown rot. Repeat as needed to protect during wet weather. For Greasy spot, Melanose scab and Pink pitting of Grapefruit, use 1½ to 3 pounds per 100 gallons of water by dilute spray. With aerial or concentrate sprayers apply 10 to 26 pounds per acre diluted to the proper concentration with water as recommended for the specific type sprayer used. Do not use less than 100 gallons of spray per acre. For Scab control, make two applications; one just before trees begin to flush and repeat at ½ petal fall. For Melanose control, apply 1 to 3 weeks after petal fall. Repeat 4 weeks later, if necessary. For Greasy spot and Pink pitting, make a Summer spray about July 15. Wettable sulfur may be included in sprays for Melanose and Scab.

Note: Do not apply in areas where copper injury is known to occur.

GRAPES: Anthracnose, Black rot, Downy mildew — **DILUTE SPRAY:** Use 2 pounds per 100 gallons of water. Make first application when new growth is ½ inch long and repeat every 10 to 14 days. **CONCENTRATE SPRAY:** Use 4 to 5 pounds per acre in sufficient water for good coverage and apply as stated above.

OLIVES: Leaf spot (Peacock spot) — Use 4 pounds per 100 gallons of water and apply in late October.

Note: In areas with 10 inches or less rainfall per year, use only 2 pounds per 100 gallons. **CONCENTRATE SPRAY:** Use 12 pounds per acre in not less than 40 gallons of water. Read and follow above "NOTE" on rainfall limitations.

PEACHES, NECTARINES: Brown rot, Peach blight (Shot hole), Leaf curl — **DILUTE SPRAY:** Use 4 to 5 pounds per 100 gallons plus 1 to 1½ gallons of sticker. **CONCENTRATE SPRAY:** Use 12 to 16 pounds per acre plus 1 to 1½ gallons of sticker in 25 to 50 gallons of water per acre. As a dormant spray for Leaf curl and Peach blight (Shot hole), apply November 15 to December 15 before Fall rains begin. Bud sprays for Brown rot and Peach blight (Shot hole) should be applied before bud swell and in full pink bud stage. Do not apply after pink bud or after trees are in leaf as injury may occur.

Note: To control Leaf curl, application must be made before the foliage buds swell. Consult your State Agricultural Experiment Station.

CA ONLY: For Blight, Leaf curl control, 16 to 20 pounds in 20 gallons of water may be applied by aircraft to one acre during the dormant season. For Peach bacterial diseases, apply 3 pounds per 100 gallons of water plus sticker and apply during dormant season. See "IMPORTANT NOTE" at bottom of this use section.

PEARS: Fire blight — Use ½ pound per 100 gallons of water. Apply 400 gallons per acre to give 1 pound metallic copper per acre. **CONCENTRATE SPRAY:** Use 2 pounds per acre in sufficient water for good coverage. Apply 10% bloom and repeat at 5 to 7 day intervals during bloom. Do not use on D'Anjou, Comice or Seckel varieties.

PLUMS and PRUNES: Brown rot, Shot hole — Use 4 to 5 pounds plus 1 to 1½ gallons of sticker per 100 gallons of water. For Shot hole control, apply as a dormant spray in November or December before heavy Fall rains begin. For Brown rot control, apply at early green bud and full

popcorn stages. **CONCENTRATE SPRAY:** Use 12 pounds plus 1 to 1½ gallons of sticker in 25 gallons of water and apply to one acre.

CA ONLY: For aircraft spray to control Brown rot blossom blight and Shot hole, apply 16 to 20 pounds plus sticker in 10 gallons of water and apply to one acre during dormant season. See "IMPORTANT NOTE" at bottom of this use section.

WALNUTS: Blight — Use 4 to 5 pounds per 100 gallons of water. Make two treatments. The first in early pre-bloom (1% pistillate not catkin blooms showing) and the second when 10 to 20% pistillate not catkin blooms are showing. Repeat applications for Blight control 3 to 4 times during growing season, if necessary.

STRAWBERRIES: Leaf spot — Use 2 to 3 pounds per 100 gallons of water. Apply pre-bloom and post-bloom.

Important Note: Over-spraying may cause injury to tender foliage of Almonds, Apricots, Peaches and some Japanese plums.

VEGETABLE AND FIELD CROPS

MIXING INSTRUCTIONS: Mix recommended amount of this product given for one acre in sufficient water for good coverage. With dilute ground sprayer, generally apply 100 to 150 gallons of spray per acre. With concentrate sprayer, generally apply 20 to 50 gallons of spray per acre. With aerial sprayers, generally apply 5 to 10 gallons per acre, but do not apply less than 5 gallons of spray mixture per acre. Consult the manufacturer for recommended water volumes per acre for a given sprayer.

BEANS (Dry, Green): Angular leaf spot, Anthracnose, Bacterial blight, Downy mildew — Use 2 to 4 pounds per acre. Begin treatment when plants are about 5 inches tall and repeat at 5 to 7 day intervals.

BEETS: Downy mildew, Leaf blight, Leaf spot — Use 2 to 3 pounds per acre. Begin when disease first appears and repeat every 7 to 10 days.

BEETS (Sugar): Cercospora leaf spot — Use 4 pounds per acre. Begin when disease first appears and repeat every 7 to 10 days.

BROCCOLI, CABBAGE, CAULIFLOWER: Downy mildew, Leaf spot — Use 1 to 3 pounds per acre. Begin when plants are above ground in plant bed or before disease normally appears. Repeat at 7 to 10 day intervals in plant bed and field.

CARROTS: Alternaria leaf blights, Cercospora, Downy mildew, — Use 3 to 4 pounds per acre. Begin treatment when disease first appears and repeat at 7 to 10 day intervals.

CELERY: Bacterial blight, Early and Late Blight — Use 3 to 4 pounds per acre. Treat every 7 days after emergence.

CUCURBITS (Cantaloupes, Cucumbers, Melons, Pumpkins, Squash): Alternaria leaf spot, Angular leaf spot, Anthracnose, Bacterial wilt, Downy and Powdery mildews, Gummy stem blight, Leaf spot, Scab — Use 2 pounds per acre. Begin treatment when plants begin to vine and repeat every 7 to 10 days. Since the disease is likely to be more serious in high plant populations (40,000 or more plants per acre), spray every 3 to 4 days to protect fruit at all stages of development.

Note: A ground application of this product after planting, but before emergence, may help decrease infections of Alternaria leaf spot, Angular leaf spot and Anthracnose. Then follow above schedule after emergence.

Note: Some Agricultural Experiment Stations recommend equal amounts of hydrated lime when used on Cucurbits. Lime, when applied to Cucurbits, may cause dwarfing of plants and reduce fruit set due to increased transpiration and defoliation under some conditions. Consult your Local Experiment Station for specific recommendation.

EGGPLANT: Alternaria blight, Anthracnose, Phomopsis — Use 3 to 4 pounds per acre. Begin in plant bed or in field before disease appears. Repeat at 7 to 10 day intervals.

ONION: Purple blotch (CA Only), Downy mildew — Use 3 to 4 pounds per acre. Begin when plants are 4 to 6 inches and repeat at 7 to 10 day intervals.

PEANUTS: Cercospora leaf spot — Use 2 to 3 pounds per acre. Repeat at 10 to 14 day intervals.

Note: The addition of 2 pounds wettable or flowable sulfur in a tank mix will enhance Leaf spot control. If dusting is preferred, use 7 pounds of this product with 93 pounds dusting sulfur and apply on 3 to 5 acres, depending on plant size.

PEPPERS: Anthracnose, Bacterial spot, Cercospora leaf spot (Frogeye spot), Downy mildew, Early blight, Late blight — Use 3 to 4 pounds per acre. Start sprays in seedbed and continue in field at 7 day intervals. **Note:** Disease control is critical during fruiting.

POTATOES: Early and Late blights — Use 3 to 6 pounds per acre. Begin when plants emerge and repeat at 7 to 10 day intervals.

SPINACH: Anthracnose, Cercospora leaf spot, Downy mildew, White rust — Use 2 to 4 pounds per acre. Begin when disease first appears. Repeat at 7 to 10 day intervals.

TOMATOES: Anthracnose, Bacterial spot, Bacterial canker (Southeastern States Only), Early and Late blight, Leaf mold, Nailhead rust, Septoria and Stemphylium leaf spot — Use 2 to 4 pounds per acre. Begin in seedbed or field before disease appears. Repeat at 7 to 10 day intervals.

Note: While this product at the labeled rate is particularly effective against Bacterial spot, a tank mix of this product with Dithane M-45, Maneb or Manzate 200, used at the labeled rates, controls a broad range of Tomato diseases. Observe all precautions and limitations on the label of the products used in mixtures.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. **PESTICIDE STORAGE:** Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Do not stack over 2 pallets high. Move bags carefully so as not to tear or puncture. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Do not allow material to become wet or store in a damp, humid area. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original container only. If the contents are leaking or material is spilled, follow these steps:

1. Collect and place in suitable containers for disposal.
2. Wash area with soap and water to remove remaining pesticide.
3. Follow washing with clean water rinse.
4. Do not allow runoff to enter sewer or contaminate water supplies.
5. Dispose of waste as indicated below:

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

WARRANTY—CONDITION OF SALE

OUR RECOMMENDATION FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

5/5