



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

JAN 14 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Nik Ramswick
UNIVERSAL COOPERATIVE INC.
P.O. BOX 460 7801 METRO PARKWAY
MINNEAPOLIS, MN 55440

Subject: Label Amendment Submission of 08/07/93 in Response to PR Notice 93-7
EPA Reg. No. 1386-304
DIAMOND COOPER SULPHATE (BLUESTONE)

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.

BEST AVAILABLE COPY



Recycled/Recyclable
Printed with SoyCanada Ink on paper that
contains at least 50% recycled fiber

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Nik Ramswick
UNIVERSAL COOPERATIVES INC
P.O. BOX 460 7801 METRO PARKWAY
MINNEAPOLIS MN 55440

Subject: Label Amendment Submission of 08/07/93
to Comply with WPS Labeling Requirements
EPA Reg Nr. 1386-304
DIAMOND COPPER SULPHATE (BLUESTONE)

The following specific comments pertain to your
WPS labeling submission concerning the product
cited above:

Remove the statement "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." from its current position within
the Agricultural Use Box and place it above the Agricultural
Use Box.

3 7 7

= TEXT ADDED TO
ACHIEVE WPS COMPLIANCE

DIAMOND COPPER SULPHATE

Bluestone

ACCEPTED
with COMMENTS
In EPA Letter Dated

JAN 14 1994

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

1386-304

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 this label, find someone to explain it to you
in detail.)

See Remainder Of Precautionary Statements On Back Panel

ACTIVE INGREDIENT:

Copper sulphate pentahydrate 99%

INERT INGREDIENTS 1%

Total 100%

Copper as metallic - 25.2%

Net Weight: 10 Pounds

EPA Reg. No. 1386-304
EPA Est. No. 1386-OH-1



UNIVERSAL COOPERATIVES, INC., MINNEAPOLIS, MN 55440

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER**

Corrosive. Causes irreversible eye damage and skin irritation. Harmful if swallowed, absorbed through the skin, or inhaled. May cause skin sensitization reactions in certain individuals. Do not get in eyes, on skin, or on clothing.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- *Coveralls over long-sleeved shirt and long pants
- *Waterproof gloves
- *Chemical-resistant footwear plus socks
- *Protective eyewear
- *Chemical-resistant headgear for overhead exposure
- *Chemical-resistant apron when cleaning equipment, mixing, or loading

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.

Engineering controls statements: When handlers use enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS:

- *Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
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STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Immediately drink large quantities of water and call a physician or Poison Control Center. Mucosal damage may result from vomiting.

If In Eyes: Flush with plenty of water and get immediate medical attention.

If on Skin: Wash affected areas with soap and water. Consult a physician if irritation or rash develops. For Medical Emergency Information call 1-800-228-6635, extension 138.

ENVIRONMENTAL HAZARDS

AQUATIC USES — This pesticide is toxic to fish. Direct application of Copper Sulphate to water may cause a significant reduction in populations of aquatic invertebrates, plants, and fish. Do not treat more than one-half of lake or pond at one time in order to avoid depletion of oxygen from decaying vegetation. Allow 1 to 2 weeks between treatment for oxygen levels to recover. Trout and other species of fish may be killed at application rates recommended on this label, especially in soft or acid waters. However, fish toxicity generally decreases when the hardness of water increases. Do not contaminate water by cleaning of equipment or disposal of wastes. Consult your State Fish and Game Agency before applying this product to public waters. Permits may be required before treating such waters.

TERRESTRIAL USES — This pesticide is toxic to fish and aquatic organisms. 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 adja-

cent aquatic sites. Do not contaminate water by cleaning of equipment or disposal of wastes.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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, and 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) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) 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 over long-sleeved shirt and long pants
- *Waterproof gloves
- *Chemical-resistant footwear plus socks
- *Protective eyewear
- *Chemical-resistant headgear for overhead exposure

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be

given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "Danger. Area treated with Copper Sulphate on (date of application). Do not enter without protective clothing until spray has dried. (Insert here Statement of Practical Treatment from label.)"

ALGAE IN FARM PONDS — Measure the area and depth carefully to determine the acre-feet of water in the pond to be treated (pond surface area in acres multiplied by the average depth in feet).

To control filamentous algae ("pond scum") and single celled plankton algae ("water bloom") in still ponds, use 2 3/4 to 5 1/2 pounds per acre-foot of water (325,850 gallons), equivalent to 1 to 2 ppm of Copper Sulphate pentahydrate, depending upon the hardness of the water and density of algal growth. Use the higher rate only for hard water and dense growth of algae. Dissolve the required quantity of Copper Sulphate (determined from the calculation of acre-feet of water) in the amount of water needed for uniformly spraying over the surface of the water, particularly above areas of algal growth. Apply when the algae first appear, usually in early summer after water temperature is 60°F, or above. If it is necessary to treat filamentous algae after it has become abundant, apply during an afternoon following a sunny morning, since under these conditions a large amount of the algal mat is likely to be floating at the surface where it can be sprayed directly. Repeat treatments as necessary.

In regions where ponds freeze in winter, algae should be controlled 6 to 8 weeks before the time ice formation is expected, to prevent the occurrence of masses of decaying algae under an ice cover.

If the pond has a water supply that can be controlled, the water should be shut off or diverted before beginning to treat each section. About 3 to 4 days after treatment, or when the plants have started to die, the water may be turned on again.

THE USER IS RESPONSIBLE FOR ADEQUATE AND PROPER NOTIFICATION OF ALL PERSONS CONCERNED AND THE OBTAINING OF A PERMIT, IF REQUIRED, PRIOR TO THE TREATMENT OF A POND OR PONDS WITH THIS MATERIAL.

BEFORE USING THIS PRODUCT TO TREAT PONDS, CONSULT PROPER STATE AUTHORITY, SUCH AS FISHERIES COMMISSION OR CONSERVATION DEPARTMENT, AND OBTAIN A PERMIT IF REQUIRED. THE USER IS RESPONSIBLE FOR ADEQUATE AND PROPER NOTIFICATION OF ALL PERSONS CONCERNED AND THE OBTAINING OF A PERMIT, IF REQUIRED, PRIOR TO THE TREATMENT OF A POND OR PONDS WITH THIS MATERIAL.

TOBACCO PLANT BEDS — To control wildfire, first, make a Bordeaux mixture by dissolving 3 pounds of Copper Sulphate in 4 gallons of water. Then, mix 4 pounds of hydrated lime in another container with 4 gallons of water. Fill a 50-gallon barrel about three-fourths full with water and add the two solutions, first the lime suspension and then the Copper Sulphate solution. Stir vigorously, and add enough water to make 50 gallons of Bordeaux mixture. This Bordeaux mixture should be applied (a sprinkling can may be used) at the rate of 25 gallons per 100 square yards of bed. Applications should begin immediately after the plants are up. A second application should be made 7 to 10 days later. Usually, a third application should be made one week after the second application.

STONE FRUITS — A 5-6-50 Bordeaux mixture, 5 pounds of Copper Sulphate and 5 pounds of hydrated lime in 50 gallons of water, may be used to control shot-hole fungus on apricots, peaches, and nectarines, and to control brown rot on apricots, cherries, peaches, nectarines, plums, and prunes. For shot-hole fungus, apply as a dormant spray in late fall or early spring. For brown rot, apply when buds begin to swell. For other formulas applicable to specific conditions in your locality consult your agricultural extension recommendations.

DO NOT USE ON TENDER FOLIAGE, PARTICULARLY THAT OF PEACH, ALMOND, AND JAPANESE PLUM.

STORAGE AND DISPOSAL

STORAGE: Store in original container. Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate

is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

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 AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty, including any other express or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so except in writing with a specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

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MANUFACTURED BY: UNIVERSAL COOPERATIVES, INC., MINNEAPOLIS, MN 55440