

PM 22

19713-301

6/18/98

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0080. Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number  
262635

Application for Pesticide - Section I

1. Company/Product Number 19713-301	2. EPA Product Manager C. G. R. J. Mr. Luis Suguiyama, Chief	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Wesley Copper-Hydroxide	PM# Fungicide Branch 22	
5. Name and Address of Applicant (Include ZIP Code) Drexel Chemical Company 1700 Channel Avenue Memphis, TN 38113 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(ii), 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 _____	<b>NOTIFICATION</b> MAY - 8 1998
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
 Herewith, please find five copies of the label (301SP-0198) with the proposed Alternate Brand Name, DREXEL KOP-Hydroxide. The label revisions were based on the Agency's letter dated 10/24/94, a copy of which is enclosed for your reference.  
 The Certification Statement as per PR Notice 95-2 is also submitted, herewith.

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
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions	
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 Chan	Title Registration Manager	Telephone No. (Include Area Code) (901) 774 4370
<b>Certification</b> 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.		Date Application Received (Stamped)
2. Signature 	3. Title Registration Manager	
4. Typed Name Luz G Chan	5. Date May 1, 1998	

2 7.4

NOTIFICATION  
MAY - 8 1998



Drexel

# KOP® - Hydroxide

A Flowable Fungicide

**ACTIVE INGREDIENT:**

Cupric Hydroxide*	37.5%
OTHER INGREDIENTS:	62.5%
<b>TOTAL:</b>	<b>100.0%</b>

\*Metallic Copper Equivalent is 24.4%

## 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 Practical Treatment (First Aid) Below

EPA Reg. No. 19713-301  
EPA Est. No. 19713-GA-1

Net Contents: \_\_\_\_\_

**PRACTICAL TREATMENT (FIRST AID)**

**IF SWALLOWED:** Drink promptly a large quantity of milk, egg white, gelatin solution or if these are not available, large quantities of water. *Avoid alcohol.*

**IF IN EYES:** Flush with plenty of water. Call a physician.

**IF ON SKIN:** Wash with plenty of soap and water. Call a Physician if irritation persists.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate use of gastric lavage.

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**DANGER:** Corrosive, causes irreversible eye damage. Do not get in eyes, on skin, or on clothing. Harmful if swallowed, inhaled or absorbed through the skin. Do not breathe vapors or spray mist. May cause skin sensitization in certain individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:** Long-sleeved shirt and long pants, waterproof gloves, shoes and socks, protective eyewear and dust/mist filtering respirator (MSMA/NIOSH approval number prefix TC-21).

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. Then wash thoroughly and out on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This product 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 highwater mark. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not allow rinsate from cleaning of equipment to enter surface or ground water.

**CHEMIGATION INFORMATION**

Apply this product only through sprinkler irrigation system(s), including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems), used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

**Recommendations**

Keep agitator running in supply tank during irrigation operations. Apply continuously for the duration of the water application.

Mixing instructions for dilution of pesticide in supply tank: Pour label-recommended amount of KOP-HYDROXIDE on surface of water in nearly filled mixing tank or pre-mix in a bucket before pouring into mixing tank. Keep agitator running during filling. Do not allow mixture to stand in irrigation equipment. KOP-HYDROXIDE is corrosive and equipment should be cleaned thoroughly after each day's spraying.

**Posting**

Posting of areas to be chemigated is required when:

- 1) Any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds or other public facilities not including public roads, or
- 2) When the chemigated area is open to the public, such as golf courses or retail greenhouses.

Posting must conform to the following requirements: Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2½ inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.



Manufactured By:  
**Drexel Chemical Company,**  
P.O. BOX 13327, MEMPHIS, TN 38113-0327,  
**SINCE 1972**

## SPRINKLER CHEMIGATION

### General Instructions

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speeds favor drift beyond the area intended for treatment.

### 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 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 regulations.

### 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), 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 enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 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.

Use KOP-HYDROXIDE as noted below. KOP-HYDROXIDE is adaptable to spraying from all types of spray equipment. Depending on the equipment used and the specific crop, the volume applied per acre will differ. For dilute, high volume sprays, use from 25 to 100 gallons of water per acre (GPA) for most vegetable crops. 400 to 800 GPA for fruit orchards and up to 1500 GPA as may be required for large citrus groves. For concentrate ground sprays, apply from 5 to 20 GPA for most vegetable crops and 25 to 100 GPA for fruit and nut crops. For aerial spraying, 3 to 15 GPA are commonly used. No additional surfactants are needed. Add KOP-HYDROXIDE slowly to a spray tank partially filled with water. Spreader-stickers, insecticides, nutrients, etc. should be added last. Observe all cautions and limitations on label of all products used in mixtures.

The following specific instructions are based on general applications. The recommendations of the State Agricultural Extension Services should be closely followed as to timing, frequency and number of sprays per season.

**ALFALFA:** *Cercospora* & *Leptosphaerulina* leaf spots - Apply at 2 $\frac{1}{2}$  pints per acre 10 to 14 days before each harvest or earlier if disease threatens. Apply with ground or aerial equipment. Spray injury may occur with sensitive varieties such as Lahontan.

**ALMONDS:** *Coryneum blight* (Shot hole), *Blossom brown rot* - Use 2 $\frac{1}{2}$  to 4 pints KOP-HYDROXIDE per 100 gallons of water (300 to 400 GPA) in late dormant before foliage buds swell if frequent rainfall occurs. A second application should be made during the early bloom stage (popcorn). To avoid plant injury, do not use above rate after full bloom.

*Bacterial blast* (*Pseudomonas*) - Use 4 to 5 $\frac{1}{2}$  pints KOP-HYDROXIDE per 100 gallons at dormant to early pink bud. For blast control in sprinkler irrigated orchards or where disease is severe, apply 2 to 4 KOP-HYDROXIDE sprays at  $\frac{1}{2}$  pint per 100 gallons at 2-week post-bloom intervals or just before sprinkling. Slight leaf injury may occur from post-bloom spray.

**APPLE:** *Anthraxnose*, *European canker*, *Pseudomonas*, *Syringae* - Apply before fall rains at 4 to 5 $\frac{1}{2}$  pints per 100 gallons (300 to 400 GPA). Use on yellow varieties may cause discoloration. To avoid, pick before spraying. *Fireblight* - Apply at 2 $\frac{1}{2}$  to 5 $\frac{1}{2}$  pints per 100 gallons of water as a full cover spray. Make application between silver tip and green-tip.

NOTE: Phytotoxicity may occur from late application. (Discontinue use when green-tip is  $\frac{1}{2}$  inch.)

**Crown or Collar rot** (*Phytophthora cactorum*) - Mix 5 $\frac{1}{3}$  pints in 100 gallons of water. Apply 4 gallons of suspension as a drench on the lower trunk area of each tree. Apply either in early Spring or in Fall after harvest each year. Do not use if soil pH is below 5.5 or copper toxicity may result. (EXCEPT CA).

**APRICOTS:** *Coryneum blight* (Shot hole), *Blossom brown rot* - Apply at popcorn to full bloom using 2 $\frac{1}{2}$  to 4 pints per 100 gallons (300 to 400 GPA). To avoid spray injury, do not apply after bloom.

**AVOCADOS:** *Scab* - Apply when bloom buds begin to swell at 2 $\frac{1}{2}$  pints KOP-HYDROXIDE per 100 gallons or 10 $\frac{1}{2}$  to 13 $\frac{1}{2}$  pints per acre depending on equipment. Continue application at monthly intervals for 5 to 6 applications. Follow recommendations of State Agricultural Experiment Stations.

**BANANAS:** *Sigatoka* - Apply by air at 2 $\frac{1}{2}$  pints per acre in 3 gallons of water containing  $\frac{1}{2}$  gallon agricultural oil. Apply on a 14 day schedule throughout the wet season. Apply at 21-day intervals during dry periods. *Black pitting* - Apply at 5 $\frac{1}{2}$  pints per 100 gallons directly to the fruit stem and include the basal portion of the leaf crown. Apply during the first and second weeks after emergence.

**BEANS:** *Bacterial blight* (Halo & Common) - For protective sprays, apply first application when plants are six inches high. Apply on 7 to 14 day schedule depending on local conditions. Use 1 $\frac{1}{2}$  to 4 pints per acre, depending on disease severity.

**BLACKBERRIES:** (Santiams, Logans, Boysens, Marions, Auroras, Cascades, Chehalms, Thornless evergreens), *Leaf & Cane Spot* - Apply delayed dormant spray after training in Spring at 5 $\frac{1}{2}$  pints plus 1 quart superior-type oil per 100 gallons. Apply again in late spring at 2 $\frac{1}{2}$  pints plus 1 quart superior-type oil per 100 gallons. Make full spray application after harvest using 5 $\frac{1}{2}$  pints plus 1 quart superior-type oil per 100 gallons.

**BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER:** *Downy mildew* - Apply  $\frac{2}{3}$  to 1 $\frac{1}{3}$  pints in a minimum of 25 GPA at 7-day intervals. (CABBAGE ONLY).

*Black rot* (*Xanthomonas*), *Black leaf spot* (*Alternaria*) - Apply at 2 $\frac{1}{2}$  pints per acre in a minimum of 25 GPA at 7 to 10 day intervals.

NOTE: A slight reddening of older leaves may occur on broccoli and a slight flecking of wrapper leaves may occur on cabbage at the 2 $\frac{1}{2}$  pints rate. For control of diseases of these crops, begin applications after transplants are set in the field or shortly after emergence of field-seeded crops or when conditions favor disease development.

**CACAO:** *Black pod* - Begin applications at the start of the rainy season and continue while infection conditions persist. Sprays should be made as often as 14 to 21 days in high rainfall areas at varying rates from 2 $\frac{1}{2}$  to 6 pints per acre, depending on disease severity. For drier areas, where 2 to 4 applications are recommended during critical infection periods and at long intervals, use 8 $\frac{2}{3}$  to 11 $\frac{1}{3}$  pints per acre, according to disease incidence and planting density.

**CANTALOUPE, HONEYDEWS, MUSKMELONS:** *Downy mildew* - Apply weekly at 2 $\frac{1}{2}$  pints per acre before disease appears.

**CARROTS:** *Carrot blight* (*Cercospora*) - When disease threatens, apply 2 $\frac{1}{2}$  pints per acre at 7 to 14 day intervals, depending on disease severity.

**CELERY:** *Early, Late & Bacterial blights* - Apply as soon as plants are first established in the field at 2 $\frac{1}{2}$  pints per acre, then every 5 to 7 days depending on severity and weather. One to two quarts of a suitable agricultural spray oil per acre may be used as spreader-sticker.

**CHERRY:** *Dead bud* (*Pseudomonas syringae*), *Coryneum blight* (Shot hole) - Apply 8 pints plus 1 pint superior-type oil per 100 gallons in October (before heavy fall rains) and again in January. In orchards where the disease is severe, a spray should also be applied in August. *Brown rot blossom blight* - For adequate control apply 2 $\frac{1}{2}$  to 4 pints per 100 gallons as a full cover spray at popcorn and full bloom.

**CITRUS:** *Melanose*, *Scab*, *Greasy spot*, *Pink pitting* - Apply as pre-bloom and post-bloom sprays. Use 1 to 2 pints KOP-HYDROXIDE per 100 gallons, depending on disease severity. May be used in concentrate sprays at equivalent rates. For aerial application, use 8 pints KOP-HYDROXIDE per 100 gallons per acre.

*Brown rot* - Use  $\frac{2}{3}$  to 1 $\frac{1}{3}$  pints per 100 gallons as dilute spray or at equivalent rate as concentrate spray, depending on severity of disease. Begin application in fall before or just after first heavy rains. Apply to skirts of trees to a height of at least 4 feet. Apply also to bare ground one foot beyond skirt. (CA ONLY. In areas subject to copper injury, add  $\frac{1}{3}$  to 1 pound of high quality lime per 1 $\frac{1}{3}$  pints KOP-HYDROXIDE).

**COFFEE:** *Iron spot* (*Cercospora coffeicola*), *Pink disease* (*Corticium salmonicolor*) - Apply at 2 $\frac{1}{2}$  pints per acre as a concentrate or dilute spray. Begin treatment at start of wet season and continue at monthly intervals for three applications.

*Leaf rust* (Brazil) - Apply 4 $\frac{2}{3}$  to 7 $\frac{1}{3}$  pints per acre for average density plantations. High density plantations may require 9 $\frac{1}{3}$  to 10 $\frac{2}{3}$  pints per acre. Make application from September to March depending on altitude and local recommendations. Apply 3 to 4 week intervals, depending on disease severity and rainfall conditions.

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**CRANBERRY:** *Fruit rot* - Apply at 10<sup>2</sup>/<sub>3</sub> pints per acre beginning in late bloom. One or two additional applications made at 10 to 14 day intervals may be required, depending on disease pressure. Follow the advice of the State Agricultural Extension Service.

**CUCUMBERS:** *Angular leaf spot, Downy mildew* - Apply weekly once the plants begin to vine. Use 2 to 2<sup>2</sup>/<sub>3</sub> pints per acre.

**CURRENTS, GOOSEBERRY:** *Leaf spot* - Make three applications KOP-HYDROXIDE at 13<sup>1</sup>/<sub>3</sub> pints per acre, starting after harvest, before bloom and after petal fall.

**EGGPLANT:** *Alternaria blight, Anthracnose, Phomopsis* - Use 2<sup>2</sup>/<sub>3</sub> pints KOP-HYDROXIDE per acre before disease appears. Repeat at 7 to 10 day intervals. (EXCEPT CA.)

**FILBERTS:** *Bacterial blight* - Apply 5<sup>1</sup>/<sub>3</sub> to 8 pints plus 1 pint superior-type oil per 100 gallons in late August or early September. In seasons of heavy rainfall, apply another spray when three-fourths of the leaves have dropped.

**GRAPES:** *Black rot, Powdery mildew, Downy mildew* - Apply 2<sup>2</sup>/<sub>3</sub> pints KOP-HYDROXIDE plus 2 to 6 pounds hydrated lime per acre as a dilute or concentrate spray. Use KOP-HYDROXIDE for the last one or two late Summer applications following early season application of another fungicide. Follow State schedule for exact timing. (NOTE: Slight to severe foliage injury may occur on copper-sensitive varieties such as Concord, Delaware, Niagara, and Rosette).

**HOPS:** *Downy mildew* - Apply 2<sup>2</sup>/<sub>3</sub> pints as a fungicide crown treatment (after pruning, but before training) as needed. After training, additional fungicide treatments are needed at about 10-day intervals. Discontinue use 2 weeks before harvest.

**LETTUCE:** *Downy mildew* - Apply 1<sup>1</sup>/<sub>3</sub> to 2<sup>2</sup>/<sub>3</sub> pints KOP-HYDROXIDE per acre. Begin treatment when disease first appears and repeat every 7 to 10 days as needed to suppress disease.

**LIVE OAK:** *Ball moss (TX ONLY)* - Apply at 8 pints per 100 gallons of water, in Spring after heavy rain, using 1<sup>1</sup>/<sub>2</sub> gallons of spray per foot of tree height. Make sure to wet tufts thoroughly. A second application may be required after 12 months.

**MANGO:** *Anthracnose (FL)* - Apply monthly after fruit set until harvest at 2<sup>2</sup>/<sub>3</sub> pints KOP-HYDROXIDE per 100 gallons or 10<sup>2</sup>/<sub>3</sub> to 13<sup>1</sup>/<sub>3</sub> pints per acre depending on equipment. Consult Extension Service for State recommendations.

**OLIVES:** *Peacock spot (CA)* - Make first application at 2<sup>2</sup>/<sub>3</sub> to 4 pints per 100 gallons or at 10<sup>2</sup>/<sub>3</sub> to 16 pints per acre, depending on equipment, before Winter rains fall. A second application in early Spring should be made if disease is severe.

**ONION:** *Purple blotch, Downy mildew* - Apply 2<sup>2</sup>/<sub>3</sub> pints KOP-HYDROXIDE per acre when plants are 4 to 6 inches high and repeat at 7 to 10 day intervals.

**PEACHES, NECTARINES:** *Leaf curl, Coryneum blight (Shot hole)* - Dormant application, apply at leaf fall. Dilute: Apply 2<sup>2</sup>/<sub>3</sub> to 5<sup>1</sup>/<sub>3</sub> pints per 100 gallons (minimum of 10<sup>2</sup>/<sub>3</sub> pints per acre). Use 21<sup>1</sup>/<sub>3</sub> pints per acre when rainfall is very heavy and disease pressure is high. Concentrate: Apply at equivalent rates in approximately 100 gallons of water. May be used with agricultural spray oil. *Brown rot, Blossom blight* - Apply at 2<sup>2</sup>/<sub>3</sub> to 4 pints per 100 gallons as full cover spray at pink bud. (Application at this time also affords some control of *Leaf curl and Coryneum blight*). *Bacterial spot* - Dormant application, apply at 2<sup>2</sup>/<sub>3</sub> pints per 100 gallons. Postbloom, apply 1/3 pint per 100 gallons at first and second cover sprays. Do not spray later than three weeks prior to harvest. Do not use at rates above those recommended. (NOTE: Slight defoliation and spotting of leaves may occur from use in cover sprays).

**PEANUTS:** *Cercospora leaf spot* - Begin spraying 40 to 45 days after planting or when disease symptoms appear. Make ground or aerial application at 2 to 4 pints per acre. For aerial application, use 3 to 10 gallons of water. Continue applications at 10 to 14 day intervals. Use sufficient water to get adequate coverage. KOP-HYDROXIDE may be tank-mixed with flowable sulfur products.

**PEARS:** *Fire blight* - Apply at 1/3 pint per 100 gallons or 1<sup>1</sup>/<sub>3</sub> pints per acre at 5-day intervals throughout bloom period. *Pseudomonas blight* - Apply KOP-HYDROXIDE before Fall rains at a rate of 4 to 5<sup>1</sup>/<sub>3</sub> pints per 100 gallons (300 to 400 GPA) and again at dormant before spring growth starts. Excessive dosages may cause fruit russet.

**PEAS:** *Powdery mildew* - Begin spray treatment when disease symptoms first appear. Use at 2 to 4 pints per acre according to disease severity. Repeat applications at weekly intervals.

**PEPPERS:** *Bacterial spot* - When disease threatens, apply 2<sup>2</sup>/<sub>3</sub> to 4 pints per acre in sufficient water for adequate coverage at 7 to 14 day intervals, depending on disease severity.

**PHILODENDRON:** *Bacterial leaf spot* - Apply weekly before disease appears at 2 pints KOP-HYDROXIDE plus manufacturer's recommended amount of mancozeb per 100 gallons of water.

**POTATOES:** *Early & Late blight* - Apply at 7 to 10 day intervals starting when plants are six inches high until two weeks before harvest. Use 1<sup>1</sup>/<sub>3</sub> to 2 pints per acre in those locations where disease is light and up to 4 to 5<sup>1</sup>/<sub>3</sub> pints per acre where disease is more severe.

**PUMPKIN, SQUASH:** *Powdery mildew* - Begin applications when plants are 3 weeks old or when first disease symptoms appear. Use at weekly intervals at 2 to 4 pints per acre, depending on disease severity.

**STRAWBERRIES:** *Leaf spot, Leaf blight* - Apply at 2<sup>2</sup>/<sub>3</sub> to 4 pints in 100 gallons per acre. Begin application when plants are established and continue on a weekly schedule throughout season. Discontinue applications if signs of phytotoxicity appear.

**SUGAR BEETS:** *Cercospora leaf spot* - Start spray when disease threatens and continue 4 to 5 applications. Spray at 10 to 14 day intervals, depending on weather conditions, at 2<sup>2</sup>/<sub>3</sub> to 6<sup>2</sup>/<sub>3</sub> pints per acre, depending on disease severity. Addition of suitable agricultural spray oil is recommended at 2 quarts per acre.

**SYCAMORE:** *Anthracnose* - Make two applications using 2<sup>2</sup>/<sub>3</sub> to 4 pints per 100 gallons as a full cover spray. Make first application at bud crack and second application 7 to 14 days later at 10% leaf expansion.

**TOMATOES:** *Early blight* - When disease threatens, apply 2<sup>2</sup>/<sub>3</sub> to 4 pints per acre at 7 to 10 day intervals.

*Bacterial speck* - Apply at 2<sup>2</sup>/<sub>3</sub> pints per acre at 10 to 30 day intervals beginning when the disease threatens. Use more frequent applications when disease pressure is high.

*Bacterial spot* - When disease threatens, apply 2<sup>2</sup>/<sub>3</sub> to 5<sup>1</sup>/<sub>3</sub> pints per acre at 7 to 10 day intervals, more frequently when disease is severe. KOP-HYDROXIDE may be combined with maneb or mancozeb. Do not apply within five days of harvest.

**WALNUT:** *Walnut blight* - Apply first spray at early pre-bloom when catkins are partially expanded. Make three additional applications during bloom and early nutlet stages at 7 to 10 day intervals. Additional applications may be necessary when frequent rainfall occurs. Dilute: Apply 2<sup>2</sup>/<sub>3</sub> pints per 100 gallons water (minimum of 10<sup>2</sup>/<sub>3</sub> pints per acre). Concentrate: Apply at equivalent rates in 50 to 100 gallons water per acre. One pint of Summer oil emulsion may be added per 100 gallons of spray. Do not apply more than 16<sup>2</sup>/<sub>3</sub> pints per acre per application.

**WATERMELON:** *Anthracnose, Downy mildew* - Apply as soon as plants become established and at weekly intervals thereafter.

*Anthracnose* - Use at 2<sup>2</sup>/<sub>3</sub> pints per acre. *Downy mildew* - Use at 2 to 4 pints per acre, according to disease severity.

**WHEAT, BARLEY:** *Septoria leaf blotch, Helminthosporium spot blotch* - Apply 2 to 2<sup>2</sup>/<sub>3</sub> pints per acre. Make first application at early boot stage and follow with second application at early head stage.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

**STORAGE:** Store unused product in original container only in cool, dry area out of reach of children and animals.

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

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration if allowed by State and Local authorities.

## WARRANTY CONDITION OF SALE

OUR RECOMMENDATIONS 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 Drexel 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 Drexel Chemical Company and is accepted as such by the Buyer.