

U.S. Environmental Protection Agency

Office of Pesticide Programs Registration Division (7504P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460

NOTICE OF PESTICIDE:

X Registration Reregistration (under FIFRA, as amended) EPA Reg. Number:

Date of Issuance:

73385-3

APR 8 2010

Term of Issuance: Conditional

Name of Pesticide Product: **Quimag Quimicos** Aquila Copper Sulfate Crystal-Crop

Name and Address of Registrant (include ZIP Code):

FABRICA DE SULFATO EL AQUILA. S.A. DE CV, Jalisco, Mexico

c/o Landis International, Inc., Agent for Fabrica de Sulfato 3185 Madison Highway Valdosta, GA 31603-5126

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the labels in commerce. In any correspondence on this product always to the labels in commerce of the labels in commerce. refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

(continued)

Notice of Pesticide Registration: EPA Reg. No. 73385-3 Page 2 of 2

- 2. Before product release for distribution/sale/shipment using the enclosed label bearing the OMRI logo/claims, you must submit the final approved OMRI certificate and make the label changes below. At this time your application with OMRI is pending.
- 3. Make the following changes to the label:
 - a. Change the product registration number to "EPA Reg. No. 73385-3"
 - b. On page 5, add back the deleted "Note: If treated water is to be used as potable water (after further treatment), the residual metallic copper content must not exceed 1.0 ppm (4.0 ppm copper sulfate pentahydrate)".
 - c. On page 4 under General Information, change the end of the first sentence from "...(single cell blue-green) algae" to "...(single cell blue-green algae in rice fields".
 - d. On page 6, delete the entire "Fertilizer Use Rates" section and footnotes because no evidence was submitted that the product is compliant with USDA NOP's fertilizer regulations.
 - e. At the bottom of page 5 add back the deleted restriction "In aquatic rice fields for control of tadpole shrimp and algae, do not exceed one application per field during any 24-month period." The 7 CFR limits aquatic applications to once per year.
- 4. Submit one copy of the revised final printed label for the record before the product is released for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A copy of the label stamped "Accepted with Comments" is enclosed for your records.

		Page 2 of 2
Signature of Approving Official: Tony Kish, Product Manager (22)	Date:	2010
Fungicide Branch, Registration Division (7504P)		

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Under the Federal Insecucide Fundicide, and Redenticide Assauended, for the pesticide registered under EFA Reg. No.

Quimag Quimicos Aguila Copper Sulfate Crystal – Crop

9 GRANULAR 9 MEDIUM 9 LARGE 9 BRIQUETTE

Active Ingredient:

Copper Sulfate Pentahydrate*

Other Ingredients

100.00%

- * Metallic copper equivalent 25.2% †CAS No. 7758-99-8
- · Algae and Tadpole shrimp control in rice fields
- · Fungus control in various crops as Bordeaux mixture
- · Vine kill in potatoes

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 back panel for additional precautionary statements

FIRST AID						
 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 eye. 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 further treatment advice. 					
If Swallowed	 Call poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person. 					
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 poison control center or doctor for treatment advice. 					

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 AM to 4:30 PM Pacific Time (NPIC web site: www.npic.orst.edu).

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

See side/back panels for additional precautionary statements

EPA Reg No. 73385-X Net Contents: 50 lbs. (22.68 kg) EPA Establishment No. 073385-MEX-001

Manufactured By:

FABRICA DE SULFATO EL AGUILA, S.A. DE C.V.

Carr. Guadalajara-Chapala Km. 17.5 N° 8100 Tlajomulco de ZuZiga, Jalisco C.P. 45640 Mexico



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

Do not allow adults, children, or pets to enter the treated area until sprays have dried and/or dusts have settled.

For applications in waters destined for use as drinking water, those waters must receive additional and separate potable water treatment. Do not apply more than 4.0 ppm copper sulfate (1.0 ppm metallic copper) in these waters.

Corrosive. Causes irreversible eye damage, and causes irritation to the skin and mucous membranes. May be fatal if swallowed. Do not get in eyes, skin, or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- · Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride
- · Shoes plus socks
- · Protective eyewear such as goggles, face shield, or safety glasses

Some materials that are chemical resistant to this product are: polyethylene, polyvinyl chloride, barrier-laminate, and butyl, nitrile, neoprene, and natural rubber. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

Discard clothing and other absorbent material that have been drenched or heavily contaminated with liquid from this product. 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 must: wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 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

For Terrestrial Uses: This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash-waters or rinsate.

ENDANGERED SPECIES RESTRICTIONS: It is a violation of Federal Law to use any pesticide in a manner that results in the death of an endangered species or adverse modification of their habitat. The use of this product may pose a hazard to certain Federally designated endangered species known to occur in specific areas of the following counties and their respective states: Lawrence, Wayne, Hancock, Claiborne, Hawkins, Sullivan (TN); Lauderdale, Limestone, Madison (AL); Grayson, Smyth, Scott, Washington, Lee (VA). To protect listed species in California, contact your County Agricultural Commissioner or refer to the Department of Pesticide Regulation's PRESCRIBE Internet Database: http://www.cdpr.ca.gov/docs/endspec/prescint.htm



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, other persons, adults, children, or pets either directly or through drift. Only protected handlers may be in the area during application. For requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Droplet Size

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Wind Speed

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition (approximately 3 to 10 mph), and there are no sensitive areas within 250 feet downwind.

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of copper compounds. Where states have more stringent regulations, they must be observed.

Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Additional requirements for aerial applications:

- The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
- Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.
- When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

Additional requirements for ground boom application: Do not apply with a nozzle height greater than 4 feet above the crop canopy."

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 insecticides. 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 24 hours for greenhouse uses and 48 hours for all other applications.

For at least seven days following the application of copper-containing products in greenhouses:

- at least one container or station designed specifically for flushing eyes is available in operating condition
 with the WPS-required decontamination supplies for workers entering the area treated with coppercontaining products,
- workers are informed orally, in a manner they can understand:
 - o That residues in the treated area may be highly irritating to their eyes,
 - That they should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes,
 - o That if they do get residues in their eyes, they should immediately flush their eyes with the eye flush container for eye flush station that is located with the decontamination supplies, and
 - O How to operate the eye flush container or eye flush station.

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
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear such as goggles, face shield, or safety glasses

GENERAL INFORMATION

Copper Sulfate Crystal – Crop effectively controls many species of both filamentous (mat forming green) and planktonic (single cell blue-green) algae.

Use Copper Sulfate Crystal – Crop as noted below. When using Copper Sulfate Crystal – Crop to control algae, there are many factors to consider: water hardness, temperature of the water, kind and amount of vegetation to be controlled, and the amount of water flow.

Algae can be controlled more easily and effectively if treatment with Copper Sulfate Crystal – Crop is made soon after plant growth has started. Small amounts of copper sulfate can effectively control algae in water. However, if treatment is delayed until a large amount of algae is present, larger quantities of copper sulfate may be required. Control of algae in water systems is not always permanent. Usually algae are more difficult to control with copper sulfate when water temperatures are low. The dose rates recommended for copper sulfate are required in hard water. If possible, hold treated water dormant for approximately three days after treatment or until the plants have begun to die. It is usually best to treat algae on a sunny day when the heavy mats of filamentous algae are most likely to be floating on the surface where they can be sprayed directly. If there is some doubt about the concentration to apply, it is generally best to start with a lower concentration and to increase this concentration until the algae are killed.

NOTE: When preparing a copper sulfate solution in water, it is best that the mixing container be made of glass or plastic or if a metal container is used, that it either be painted, enameled or copper-lined. The use of a galvanized container causes a chemical reaction to take place by which copper displaces the galvanized coating of the container.

QUIMAG QUIMICOS AGUILA COPPER SULFATE CRYSTAL – CROP

NOTE: This product may be reactive on metal and masonry surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.

NOTE: It must be determined if proper application equipment is available and if waste associated with its use can be properly handled. Agricultural chemicals are often reactive with the materials used in the construction of application equipment, such as aluminum, rubber and synthetic materials. This factor should be taken into consideration when selecting proper application equipment. It is necessary that all application equipment be thoroughly flushed with clean water after each day's use.

CALCULATIONS FOR THE AMOUNT OF WATER IMPOUNDED AND FOR THE AMOUNT OF COPPER SULFATE CRYSTAL – CROP TO BE USED IN RICE FIELDS

Calculate water volume as follows:

- 1. Obtain surface area by measuring regular shaped ponds or mapping of irregular ponds or by reference to previously recorded engineering data or maps.
- 2. Calculate average depth by sounding in a regular pattern and taking the mean of these readings or by reference to previously obtained data.
- 3. Multiply surface area in feet by average depth in feet to obtain cubic feet of water volume.
- 4. Multiply surface area in acres by average depth in feet to obtain total acre-feet of water volume.

Calculate weight of water to be treated as follows:

- 1. Multiply the volume in cubic feet by 62.44 to obtain total pounds of water, or
- 2. Multiply the volume in acre feet by 2,720,000 to obtain pounds of water

Calculations of active ingredient to be added:

To calculate the amount of Copper Sulfate Crystal – Crop needed to achieve the recommended concentration, multiply the weight of water by the recommended concentration of copper sulfate. Since recommended concentrations are normally given in parts per million (ppm), it will first be necessary to convert the value in parts per million to a decimal equivalent. For example, 2 ppm is the same as 0.000002 when used in this calculation. Therefore, to calculate the amount of Copper Sulfate Crystal – Crop to treat 1 acre-foot of water with 2 ppm copper sulfate (0.5 ppm metallic copper), the calculation would be as follows: $0.000002 \times 2,720,000 = 5.44$ lbs. Copper Sulfate Crystal – Crop.

CONTROL OF ALGAE AND TADPOLE SHRIMP IN RICE FIELDS (DOMESTIC AND WILD)

Copper Sulfate Crystal – Crop is recommended for the control of tadpole shrimp in rice. After the rice has been flooded to a depth of 3 inches, the Copper Sulfate Crystal – Crop should be uniformly applied at a rate of 2.5 to 3.75 pounds per acre at the first sign of infestation. Adjust the rate according to the average water depth. Following these directions carefully one must keep the concentration of copper sulfate less than 10 ppm (2.5 ppm metallic copper).

Copper Sulfate Crystal – Crop is recommended for the control of algae in rice. After the rice has been flooded to a depth of 3 inches, the Copper Sulfate Crystal – Crop should be uniformly applied at a rate of 2.7 pounds per acre at the first sign of algae. Adjust the rate according to the average water depth. Following these directions carefully one must keep the concentration of copper sulfate less than 4 ppm (1 ppm metallic copper).

QUIMAG QUIMICOS AGUILA COPPER SULFATE CRYSTAL - CROP

FERTILIZER USE RATES

Wisconsin State Copper Fertilizer Rates^a

	Pounds per Acre						
Crop	Sands		Loams, silts, clays		Organic		
-	Bdct ^b	Band	Bdct ^b	Band	Bdct ^b	Band	
Lettuce, onion, spinach	10	2	12	3	13	4	
Carrot, cauliflower, celery, alfalfa, clover, corn, oat, radish, sudan, grass, wheat	4	1	8	2	12	3	
Asparagus, barley, beans, beet, broccoli, mint, pea, potato, rye, soybean	0	0	0	0	0	2	

^aRates are for inorganic sources of copper. Copper chelates can also be used at 1/6 of the rates recommended above. Do not apply copper unless a deficiency has been verified by plant analysis. ^bBdct = broadcast

Washington and Oregon State Fertilizer Use

Information received by the Washington State Department of Agriculture regarding the components of this product is available on the internet at http://agr.wa.gov Information regarding the contents and levels of metals in this product is available at the Oregon Department of Agriculture internet site: http://oda.state.or.us/fertilizer

CROP USE DIRECTIONS

Bordeaux Mixtures

How to Understand Bordeaux Formulations - If the Bordeaux mixture instructions reads 10-10-100, the first figure means the number of pounds of Copper Sulfate Crystal – Crop. The second figure means the pounds of hydrated spray lime, and the third figure, the gallons of water to be used. Use as a full coverage spray to runoff.

How to Prepare a Bordeaux Mixture - To prepare a Bordeaux mixture, fill a tank with water, one quarter full. Then with agitator running, mix in Copper Sulfate Crystal - Crop through a copper, bronze, stainless steel or plastic screen. Add water so the tank is three quarters full. Mix in the hydrated spray lime through the screen and finish filling the tank with water.

CROP USE DIRECTIONS

Crop: Pest	Season	Copper Mixture	Maximum Application Rate ¹	Maximum Annual Rate ²	Minimum Retreatment Interval	Use Notes
Almonds, Apricots, Peaches, Nectarines: Shot Hole Fungus (Coryneum Blight)	Fall, Late Dormant up to pink bud	10-10-100 Bordeaux Mixture	32/32/320	71/71/710	7 Days	_ Apply as a dormant spray in late fall or early spring.
	Bloom, Growing Season (Early Spring)	10-10-100 Bordeaux Mixture	6.0/ 6.0/60	71/71/710	5 Days	



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Crop: Pest	Season	Copper Mixture	Maximum Application Rate ¹	Maximum Annual Rate ²	Minimum Retreatment Interval	Use Notes
Almonds, Apricots, Cherries, Peaches, Nectarines, Plums, Prunes: Brown Rot Blossom Blight	Bloom, Growing Season (Spring)	10-10-100 Bordeaux Mixture	6.0/6.0/60	71/71/710	5 Days	Apply when buds begin to swell.
Peach: Leaf Curl	Late Fall, early Spring	10-10-100 Bordeaux Mixture	32/32/320	71/71/710	7 Days	Apply at leaf fall or as a dormant spray before buds begin to swell. If above sprays for Coryneum blight is made, peach curl will also be controlled.
Blueberries: Bacterial Canker	Fall	8-8-100 Bordeaux Mixture	8/8/100	33.6/33.6/420	7 Days	Apply in the fall before heavy rains begin and again 4 weeks later.
Caneberries: Leaf and Cane Spot and Pseudomonas blight	Fall .	8-8-100 Bordeaux Mixture	8/8/100	33.6/33.6/420	7 Days	Apply in the fall before heavy rains begin and again 4 weeks later.
Bulbs (Lillies, Easter): Botrytis Blight		10-10-100 Bordeaux Mixture	10/10/100	298/298/ 2980 ³	7 Days	Apply as a foliar spray to one acre. Apply for thorough coverage beginning at the first sign of disease and repeat as
Bulbs (Tulip, Gladiolus): Botrytis Blight		10-10-100 Bordeaux Mixture	8.0/8.0/80	80/80/800	7 Days	needed to control disease at 7 day intervals. Avoid spray just before flower cutting season if residues are a problem.
Cherries (Sweet): Dead Bud and Bacterial Canker (Pseudomonas syringae)	Fall, Late Dormant up to pink bud	12-12-100 Bordeaux Mixture	32/32/267	71/71/592	7 Days	Apply at leaf fall and again in late winter before buds began to swell. In wet, cool Northwest U.S. winters, a third spray may be needed between above sprays.
Chamina (Sour)	Fall, Late Dormant up to pink bud	10-10-100 Bordeaux Mixture	32/32/320	71/71/710	7 Days	Apply as a full coverage spray after petal fall or as
Cherries (Sour): Leaf Spot	Bloom, Growing Season	10-10-100 Bordeaux Mixture	6.0/6.0/60	71/71/710	5 Days	recommended by State Extension Service.
Grapes: Downy Mildew		2-6-100 Bordeaux Mixture	12/36/600	79/237/3950	3 Days	Spray beginning when downy mildew is detected. Repeat as needed to achieve and maintain control. This mixture and its use will exhibit some phytotoxicity on most varieties.



Crop: Pest	Season	Copper Mixture	Maximum Application Rate ¹	Maximum Annual Rate ²	Minimum Retreatment Interval	Use Notes
Olives: Olive Leaf Spot (Peacock Spot) and Olive Knot		10-10-100 Bordeaux Mixture ⁴	23.8/23.8/238	71.4/71.4/714	30 Days	Apply in autumn before heavy winter rains to prevent peacock spot. To help protect against olive knot, apply before heavy rains and again in the spring. Injury may occur in areas of less than 10 inches of rainfall.
Walnuts: Walnut Blight		15 lbs. Copper Sulfate with 10 lbs. of Lime in 100 Gallons of Water If desired add ½ Gallon Summer Oil Emulsion ⁸	15/10/100	126/84/840	7 Days	Make application in early pre-bloom before catkin blooms are showing (10-20% pistilate) before or after rain. Use only if Bordeaux mixture has been shown to be non-phytotoxic in your area. PRECAUTION: Addition of summer oil emulsion to pre-bloom and early bloom sprays may result in plant injury.
Citrus; Bacterial Blast		10-10-100 Bordeaux Mixture ^{5,7}	12.5/12.5/125	50/50/500	7 Days	Apply a spray in late October to early November or before fall rains begin. Make a complete coverage spray using 10 to 25 gallons per mature tree.
Lemons, Oranges,		3-4.5-100 Bordeaux Mixture ^{5,7}	12.5/18.75/420	50/75/1700	7 Days	Spray 6 gallons on skirt of tree 3 to 4 feet high, and 2 to 4 gallons on trunk and ground under the tree. If Phytophthora hibernalis is present, use 10 to 25
Grapefruits: Phytophthora Brown Rot		3-2-6-100 Bordeaux Mixture ^{5,6,7}	18.75/12.5/ 37.5/625 ⁹	75/50/150/2500 ¹⁰	7 Days	gallons to completely cover each tree. Apply in November or December just before or after first rain. In severe brown rot season apply second application in January or February.
Lemons, Oranges, Grapefruits: Septoria Fruit and Leaf Spot (Central California), Brown Rot, Zinc and Copper Deficiencies		3-2-6-100 Bordeaux Mixture ^{6,7}	18.75/12.5/ 37.5/625 ⁹	75/50/ 150/2500 ¹⁰	7 Days	Use 10 to 15 gallons to cover completely each tree. Apply in October, November or December just before or after first rain.

¹Maximum Copper Sulfate (lbs/Acre)/ Hydrated Lime/Maximum Application Volume (Gallons) except where otherwise indicated.

²Maximum Copper Sulfate (lbs/Acre)/ Hydrated Lime/Maximum Annual Volume (Gallons) except where otherwise indicated.

³Maximum pounds of Copper Sulfate which may be applied in a 12 month period. Do not apply any additional copper pesticide to this land for 36 months.

⁴In areas of less than 10 inches of annual rainfall, use a 5-5-100 Bordeaux mixture.

⁵Apply where there is no history of crop injury. ⁶Zinc Sulfate- Copper Sulfate -Hydrated Lime-Gallons of water.

Adding foliar nutritionals to spray mixtures containing Copper Sulfate or other products and applying to citrus during the post bloom period

when young fruit is present may result in spray burn.

Note: This product can be mixed with Diquat for use on potatoes in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be exceeded.

⁹ Zinc Sulfate/Maximum Copper Sulfate (lbs/Acre)/ Hydrated Lime/Maximum Application Volume (Gallons)

¹⁰Zinc Sulfate/Maximum Copper Sulfate (lbs/Acre)/ Hydrated Lime/Maximum Annual Volume (Gallons)



Non-Bordeaux Applications

Crop: Pest	Season	Copper Mixture	Maximum Application Rate ¹	Maximum Annual Rate ²	Minimum Retreatment Interval	Use Notes
Grapes, (Dormant): Powdery Mildew		4-8 lbs of Copper Sulfate 100 Gallons of Water	12/150-300	79/988-1975	3 Days	Apply in spring before bud-swell and before green tissue is present. Apply in a high volume spray of 300 gallons water per acre. Direct spray to thoroughly wet the dormant vine, especially the bark of the trunk, head, or cordons.
Apples: Fireblight	Fall, Late Dormant	5 lbs of Copper Sulfate per 100 Gallons of Water	32/ 640	32/640	N/A (Only 1 application per season permitted)	Spray uniformly to the point of runoff. Apply in dormant only at silver tip stage. After silver tip, severe burn will occur on any exposed green tissue. Do not mix lime to make a Bordeaux spray for this treatment.
Potato: Vine Kill (Ground Equipment)		10 lbs/ Acre in 10 to 100 Gallons of Water ³	10/10-100	99.2/99-990	5 Days	To enhance vine-kill and suppress late blight, apply with Diquat at vine-kill to enhance vine desiccation and suppress late blight. Additional applications can be made with Diquat if needed within 7 days of harvest. May be applied alone until harvest to suppress late blight.
Potato; Vine Kill (Aerial Equipment)		10 lbs/ Acre in 5 to 10 Gallons of Water ³	10/5-10	99.2/49.5-990	5 Days	

¹Maximum Copper Sulfate (lbs/Acre)/ Maximum Application Volume (Gallons)

GENERAL CHEMIGATION INSTRUCTIONS

Apply this product only through one or more of the following types of systems: sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation system(s). 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.

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 material to prevent deterioration

²Maximum Copper Sulfate (lbs/Acre)/ Maximum Annual Volume (Gallons)

³Note: This product can be mixed with Diquat for use on potatoes in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be exceeded.

QUIMAG QUIMICOS AGUILA COPPER SULFATE CRYSTAL - CROP

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and maintain legibility for the duration of the posting period. 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". All words shall consist of letters at least 2 ½ inches tall, and all letters and the symbol shall be a color that sharply contrasts with their immediate background. This sign is in addition to any sign posted to comply with the Worker Protection Standard.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS:

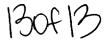
Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. 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 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. See Treatment Instructions, below.

SPRINKLER CHEMIGATION:

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, 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 filtered with a system interlock. The system must contain a functional check valve, vacuum relief valve, and low pressure drain approximately 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. This pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the infection 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 filtered with a system interlock.

TREATMENT INSTRUCTIONS:

Do not apply when wind speed favors drift beyond the area intended for treatment. When mixing, fill nurse tank half full with water. Add Copper Sulfate Crystal – Crop slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Stickers, spreaders, insecticides, nutrients, etc. should be added last. If compatibility is in question, use the compatibility jar test before mixing a whole tank. Because of the wide variety of possible combinations which can be encountered, observe all cautions and limitations on the label of all products used in mixtures. Copper Sulfate Crystal – Crop should be added through a traveling irrigation system continuously or at the last 30 minutes of solid set or hand moved irrigation systems. Agitation is recommended.



STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open burning and dumping is prohibited. Do not reuse empty container.

Pesticide Storage: Store product in a secure dry place. Keep product dry as product is water soluble. When opening, closing or handling open packages, or pouring product, wear goggles to prevent dusting into eyes. Spilled product should be swept up, used if clean, or disposed of according to the procedures below. Store product in original container. Store pesticide separately to prevent cross-contamination of other pesticides, fertilizers, food and feed.

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 Handling: (Paper Bag)

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. If not emptied in this manner, the bag may be considered an acute hazardous waste and must be disposed in accordance with local, state and federal regulations. 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.

Container Handling: (Plastic Pail)

Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations.

Container Handling: [Household Use]

If empty: Nonrefillable container. Do not reuse or refill this container. Place in trash.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY STATEMENT

FABRICA DE SULFATO EL AGUILA warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of FABRICA DE SULFATO EL AGUILA shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. To the extent permitted by applicable law, all such risks shall be assumed by the Buyer. To the extent permitted by applicable law exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling or application of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid for this product or at FABRICA DE SULFATO EL AGUILA's election, the replacement of this product. FABRICA DE SULFATO EL AGUILA MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.