



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 11, 2023

Carolyn Miter
Registrations Specialist
Albaugh, LLC
PO Box 2127
Valdosta, GA 31604

Subject: Registration Review Label Mitigation for Copper Compounds
Product Name: KOZINC WP
EPA Registration Number: 45002-20
Application Date: February 2, 2019
Decision Number: 592915

Dear Carolyn Miter:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Copper Compounds Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently

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approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Caleb Carr via email at carr.caleb@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Linda Arrington', with a long horizontal flourish extending to the right.

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

Enclosure

KOZINC WP

ACTIVE INGREDIENT:		
Copper Hydroxide*	26.1%
INERT INGREDIENTS:	73.9%
TOTAL:	100.0%

(*Metallic copper equivalent 17.0%)
CAS No. 20427-59-2

This product also contains zinc expressed as elemental from zinc sulfate and zinc oxide for alleviation of zinc deficiency.

KEEP OUT OF REACH OF CHILDREN CAUTION

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).

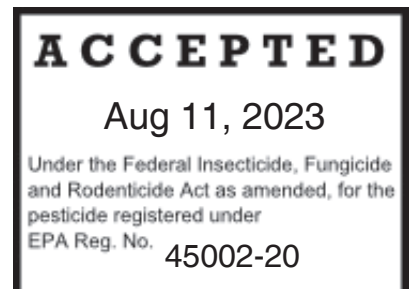
FIRST AID	
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none"> 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 treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN - Probable mucosal damage may contraindicate the use of gastric lavage.	
HOT LINE NUMBER: For Medical Emergency or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call CHEM-TREC toll free at 1-800-424-9300.	

EPA Reg. No. 45002-20

EPA Est. No. _____

NET CONTENTS:

Manufactured For:
ALBAUGH, LLC
1525 NE 36th Street
ANKENY, IA



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT

Mixers, loaders, applicators and other handlers must wear the following:

1. Long-sleeved shirt and long pants
2. Waterproof gloves
3. Shoes plus socks
4. 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 exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENT

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.305]

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the WPS (40 CFR 170.240(d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing/PPE immediately if a pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.
4. Wash the outside of gloves before removing.

ENVIRONMENTAL HAZARDS

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.

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 washwater or rinsate.

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.

RESTRICTIONS

Pilots must use an enclosed cab that meets the definition listed in the WPS for agricultural pesticides [40 CFR 170.305].

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 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:

1. Coveralls
2. Waterproof gloves
3. Shoes plus socks
4. Protective eyewear

INSTRUCTIONS FOR DILUTION

MAINTAIN ADEQUATE AGITATION AT ALL TIMES.

DILUTE APPLICATION:

Ground Application: Apply specified rate in 20-60 gallons of water per acre.

Orchard application: Apply specified rate in 100-800 gallons of water per acre.

CONCENTRATION APPLICATION:

Ground Application: Apply specified rate in no less than 5 gallons of water per acre.

Orchard Application: Apply specified rate in 20-100 gallons of water per acre.

NOTE: Special concentrate equipment may be necessary for these uses.

AIR APPLICATION:

Apply specified rate in 5-20 gallons of water per acre. Orchard rates should not be applied in less than 10 gallons of water per acre.

MANDATORY SPRAY DRIFT

AERIAL APPLICATIONS:

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not release spray at a height greater than 10 ft. above the vegetative canopy of water, unless a greater application height is necessary for pilot safety.
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the field.
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- Do not apply when wind speed exceeds 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for

helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.

- Do not apply during temperature inversions

GROUND BOOM APPLICATIONS:

- Apply with the spray release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

CONTROLLING DROPLET SIZE - Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure- Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

CONTROLLING DROPLET SIZE - Aircraft

- Adjust Nozzles - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT - Ground Boom

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift. When applying aurally to crops, do not release spray at a height greater than 10 ft. above the crop canopy, unless a greater application height is necessary for pilot safety.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke

generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

RESISTANCE MANAGEMENT

Copper Hydroxide - GROUP M01 FUNGICIDE

For resistance management, Kozinc WP contains copper hydroxide, a Group M01 fungicide with a multi-site contact activity. Any fungal/bacterial population may contain individuals naturally resistant to Kozinc WP and other Group M01 fungicides/bactericides. A gradual or total loss of pest control may occur over time if these fungicides/bactericides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed. Copper hydroxide is an inorganic non-systemic protectant compound which are generally considered as a low-risk of developing resistance.

Because Kozinc WP is a protective and not systemic fungicide, thorough coverage of the plant surface must be maintained. A gradual or total loss of control may occur over time if plant growth or weathering reduces the foliage coverage.

However, because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies such as:

- Rotate the use of Kozinc WP or other Group M01 fungicides/bactericides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide/bactericides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an IPM program for fungicide/bactericide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide/bactericide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal/bacterial populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact your local Albaugh representative at 1-800-247-8013 or local extension specialist to report resistance.

SPECIFIC USE INSTRUCTIONS

{**Note to reviewer:** Registrant may add or remove as needed the following statement pertaining to a local use restriction: “[Not for use in _____]”. (e.g. Not for use in California).}

ALMONDS			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Dormant to Pink Bud Season: Bacterial Blast (Pseudomonas)	20.0 – 47.0 (3.4 - 8.0 lbs Cu/A)	7	Use at dormant to early pink bud. A second application in late dormant before foliage buds swell may be necessary when frequent rainfall occurs. For blast control in sprinkler irrigated orchards or where disease is severe, apply 2-4 sprays or as many as required at 4.0 – 6.0 lbs per acre at 2 week post-bloom intervals or just before sprinkling. Slight leaf injury may occur from post-bloom spray.
Bloom/Growing Season: Coryneum Blight Blossom Brown Rot	6.0 – 8.8 (1.0 - 1.5 lbs Cu/A)	5	Use during the early bloom stage (popcorn). To avoid plant injury, do not apply above the 6.0 lb product/Acre rate after full bloom.
RESTRICTIONS Maximum single dormant application rate is 47.0 lbs/A (8.0 lbs. metallic copper equivalent) Maximum single bloom/growing application rate is 8.8 lbs/A (1.5 lbs. metallic copper equivalent) Maximum annual application rate is 105.6 lbs/A (18.0 lbs metallic copper equivalent)			

APRICOTS			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Fall & Late Dormant: Anthracnose European Canker Dead Bud (Pseudomonas Syringae)	20.0 – 47.0 (3.4 - 8.0 lbs Cu/A)	7	Apply before fall rains. Use the higher rates when conditions favor disease.
Bloom/Growing Season: Coryneum Blight (Shot Hole) Blossom Brown Rot	6.0 – 8.8 (1.0 - 1.5 lbs Cu/A)	5	Apply at popcorn to full bloom as a full cover spray. To avoid spray injury, do not apply after full bloom.
RESTRICTIONS Maximum single dormant application rate is 47.0 lbs/A (8.0 lbs. metallic copper equivalent) Maximum single bloom/growing application rate is 8.8 lbs/A (1.5 lbs. metallic copper equivalent) Maximum annual application rate is 105.6 lbs/A (18.0 lbs metallic copper equivalent)			

CHERRY			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Dormant & Late Bloom	20.0 – 47.0	7	In orchards where the disease is severe a

Season: Dead Bud (Pseudomonas syringae) Coryneum Blight	(3.4 - 8.0 lbs Cu/A)		spray should also be applied shortly after harvest.
Bloom/Growing Season: Blossom Brown Rot	6.0 – 8.8 (1.0 - 1.5 lbs Cu/A)	5	Applied at popcorn and full bloom.
RESTRICTIONS Maximum single dormant application rate is 47.0 lbs/A (8.0 lbs. metallic copper equivalent) Maximum single bloom/growing application rate is 8.8 lbs/A (1.5 lbs. metallic copper equivalent) Maximum annual application rate is 105.6 lbs/A (18.0 lbs metallic copper equivalent)			

PLUMS & PRUNES			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Fall & Late Dormant: Anthracnose European Canker Dead Bud (Pseudomonas Syringae)	20.0 – 47.0 (3.4 - 8.0 lbs Cu/A)	7	Apply as a dormant spray. Use the higher rate when rainfall is heavy and/or disease pressure is high.
Bloom & Growing Season: Brown rot blossom blight	6.0 – 8.8 (1.0 - 1.5 lbs Cu/A)	5	Apply full cover application at pink, red or early white bud stage. Use the higher rate when disease pressure is heavy or conditions favor disease development.
RESTRICTIONS Maximum single dormant application rate is 47.0 lbs/A (8.0 lbs. metallic copper equivalent) Maximum single bloom/growing application rate is 8.8 lbs/A (1.5 lbs. metallic copper equivalent) Maximum annual application rate is 105.6 lbs/A (18.0 lbs metallic copper equivalent)			

PEACHES & NECTARINES			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Dormant/late Dormant: Leaf Curl Coryneum Blight (Shot Hole)	20.0 – 47.0 (3.4 - 8.0 lbs Cu/A)	7	Apply leaf fall as dormant application. Use the higher rate when rainfall is very heavy and disease pressure is high. May be used with an agricultural spray oil.
Bloom/Growing Season: Brown Rot Blossom Blight (California)	6.0 – 8.8 (1.0 - 1.5 lbs Cu/A)	5	Apply as a full cover spray at pink bud. Do not apply at or after full bloom. (Application at this time also affords some control of Leaf Curl and Coryneum Blight). NOTE: Do not spray later than three weeks prior to harvest. Do not use at rates above those recommended.
RESTRICTIONS Maximum single dormant application rate is 47.0 lbs/A (8.0 lbs. metallic copper equivalent) Maximum single bloom/growing application rate is 8.8 lbs/A (1.5 lbs. metallic copper equivalent)			

PEACHES & NECTARINES			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Maximum annual application rate is 105.6 lbs/A (18.0 lbs metallic copper equivalent)			

PEARS & QUINCE			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Fall & Late Dormant Season: Pseudomonas blight	20.0 –35.0 (3.4 6.0 lbs Cu/A)	Only one dormant application allowed per season	Apply before fall rain begins. NOTE: Excessive dosages may cause fruit russet.
Bloom & Growing Season: Fireblight	2.0 - 2.9 (0.3 - 0.5 lbs Cu/A)	5	Apply at 5 day intervals throughout bloom period starting at 10% bloom. Excessive dosages may cause fruit russet.
RESTRICTIONS Maximum single dormant application rate is 35.0 lbs/A (6.0 lbs. metallic copper equivalent) Maximum single bloom/growing application rate is 2.9 lbs/A (0.5 lbs. metallic copper equivalent) Maximum annual application rate is 94.0 lbs/A (16.0 lbs metallic copper equivalent)			

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal of this product. Open burning and dumping prohibited.

PESTICIDE STORAGE: Store in a cool, dry, well ventilated area.

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 Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. Completely empty container into application equipment by shaking and tapping sides and bottom to loosen clinging particles. When completely empty, offer for recycling if available, or 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.

CONDITIONS OF SALE

Seller warrants that this product consists of the ingredient specified and is reasonably fit for use as directed on the label. No one, other than an officer of the Seller, is authorized to make any other warranty, guarantee or direction concerning this product.

Because the time, place, rate of application and other conditions of use are beyond the Seller's control, to the extent consistent with applicable law, Seller's liability from the handling, storage and use of this product is limited to replacement of product and refund of purchase price.

060223

LABEL HISTORY

(Not included in final printed label)

File Name	Version Mark	Comment
045002-20.20211129.DRAFT	112921	(e) Label Revisions (PID)
045002-20.20220111.DRAFT	011122	(e) Label Revisions (PID)
045002-00020.20230602.DRAFT	060223	(e) Label Revisions (PID)