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**MILLERS AND PROCESSORS OF BASE MINERALS**

**Date:** 16 May 2019  
**Approved by:** E. Wenger  
**Compiled by:** D. Prevoo

**Pages:** 1 of 3  
**Doc No:** DS079  
**Rev No:** 01

**DATA SHEET**

**Copper Oxychloride**  
Use: Fungicide



**SPECIFICATION**

**ACTIVE INGREDIENT : COPPER OXYCHLORIDE 850g/kg (85%)**

Description:	Light Green, odourless, non-flammable, fine powder. The product consists of a homogenous mixture containing copper oxychloride as the sole active ingredient together with the necessary formulants.
Copper Content:	50 ± 2.5% mm
pH of 1% suspension:	6.0 minimum
Particle Size:	40% Less than 2 micron 95% Less than 5 micron
Surface Area:	30 000 cm <sup>2</sup> /gm min.
Suspendibility:	Not less than 85% remains in suspension after Tropical storage when tested the standard hard water. (CIPAC 1 MT 15.1 PAGE 861)
Moisture Content:	2.0% (Maximum)
Wet Sieve Test:	Not more than 0.05% mm retained on a 100 mesh. B.S. Sieve

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**Wetting time:** 30 Seconds (maximum)  
(CIPAC 1 MT 53.3 PAGE 966)

**Lead:** 250 p.p.m. Maximum

**Free Copper:** 50 p.p.m. Maximum

**Arsenic:** Not detectable

**Cadmium:** Not detectable

**SUPER FINE TURBO MILLED WETTABLE FUNGICIDE POWDER FOR THE CONTROL OF DOWNY MILDEW AND  
OTHER LISTED DISEASES**

**Active Ingredient: Copper Oxychloride – 850g/kg (Equivalent to 50% metallic copper)**

**DIRECTIONS FOR USE** (use only as indicated)

Add the required quantity of powder to the measured quantity of water, stirring continuously.

CROP	DISEASE or DEFICIENCY	DOSAGE/ 100 lt. water	DIRECTIONS
Apples and Pears	Scab	250g	Use only at early green tip stage on apples and only at early to advanced green tip on pears.
Apricots Peaches Plums & Prunes	Bacterial Cancer Bacterial Spot/Gum spot	350g	Spray once or twice at 50% and/or 75% leaf drop depending on the severity of the infestation the previous season. A further spray at bud movement, before bud and twig infestation appear.
Peaches & Nectarines	Leaf Curl	350g	Spray at 50% to 75% leaf drop a single spray at bud swell.
Roses	Black Spot	350g	Full cover application when first symptoms are noticed and repeat weekly. Applications may be discontinued during dry periods.
Potatoes	Early Blight Late Blight	350g 2,5kg/ha	Spray before the first symptoms appear. Repeat every 7-10 days depending on weather conditions which favour development of the disease. AERIAL APPLICATION: Apply in 40 litre water.
Tomatoes	Septoria Leaf Spot Early Blight Late Blight	350g	Start application shortly after transplant when plants are about 15cm high and before symptoms appear. Apply every 7-10 days depending on weather conditions favourable for development of disease. Apply 5-15 litres per 10 sq metres depending on plant sizes. Ensure that both upper and under leaf surfaces are treated.
Grapes	Anthraxnose Bacterial Blight Dead Arm Downy Mildew	350g	Summer Rainfall Region: If rains have commenced in September, apply first application shortly before the flowers open otherwise apply every 14 days until the berries start swelling. Winter Rainfall Regions: First application when shoots are 5-10cm long, then when shoots are 25cm long. Thereafter 2 or 3 times with weekly intervals.
Granadillas	Leaf & Fruit Spot	250g	Apply at first sign and repeat 14 days later. Depending on plant size spray up to 2000 litres spray mixture per hectare.
Mangoes	Anthraxnose Bacterial Spot	250g 250g	Apply 2 weeks after fruit set and repeat treatment every 3 weeks. Apply first spray 2 weeks after fruitset and repeat treatment every 3 weeks.
Avocados	Fruit Spot (Pseudocercospora purpurea) Anthraxnose	300g	Apply three full cover sprays. First application middle – end November and repeat at 4 weeks intervals.

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Strawberries	Leaf spot	250g	Apply every 10-14 days up to 3 weeks before picking.
Beans	Bacterial Blight	300g	Apply regularly every 7-14 days, depending on weather conditions.

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Boysen-, Youngberries	Anthraco-nose	400g	Apply from bud-burst until shoots are 2cm long.
Cruciferae	Bacterial Spot Downy Mildew	300g	Apply every 7-14 days. Ensure full coverage.
Cucurbits	Downy Mildew	250g	Start application before disease symptoms appear. Repeat at weekly intervals for as long as weather favours disease development. Cover both upper and lower leaf surfaces. Apply up to 1500 litres spray per hectare depending on foliage cover.
Celery	Leaf Spot	300g	Repeat at 7-14 days intervals as a full cover spray. Apply up to 2000 litre spray mixture per hectare.
Coffee	Rust	750g	Start spraying before rust symptoms appear and repeat every 3 weeks.
Gladioli	Rust	500g	After emergence, apply spray every 10 days and start before symptoms appear.
Citrus	Black Spot Alternaria Spot e.g. Minneolas Citrus Scab Melanoses	200g 200g 200g 200g	T old Valencia and Navel orchards, the first application should be completed after fruitset, whereafter spraying should be done at 30 day intervals until the end of January. Fewer applications will be needed for younger orchards. In summer rainfall areas spray during August, September, October and again from January onwards if necessary. In winter rainfall areas spray during September, October, November and again from February onwards if necessary. Spray lemon and lime trees as soon as the rains start. First application during 80% petal drop, followed by another 2 applications at 30 day intervals.
Blue Berries	Anthraco-nose	300g	Apply during rest period before bud-burst.

**WARNING:**

Allow 14 days between last application and harvest on all edible crops except on Tomatoes, beans, cucurbits, cruciferae and granadillas, where the withholding period is 3 days, celery 1 day and wine grapes 21 days. Do not apply to table grapes after berries have reached pea size (4-6 weeks prior to harvest) as this may cause tarnishing. On mangoes and avocados it may be necessary to remove spray residues in the pack house. Toxic to fish and wildlife. Store away from food and food stuffs. Keep out of reach of children and animals.

**AERIAL APPLICATION:** Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water and adjacent areas. Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease against the remedy concerned as well as by the method, time and efficacy of application. The registration holder furthermore does not accept responsibility for damage to vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instruction or to the occurrence of conditions which could not have been foreseen in terms of the registration.

**PRECAUTIONS**

Do not inhale dust or spray mist. Wash with soap and water after use. Prevent drift of spray mist onto other crops, grazing, rivers and dams. Empty container thoroughly in spray tanks and do not re-use for any other purpose. Clean applicator after use and dispose of wash water where it will not contaminate crops, grazing, river or dams.

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