

AMERICAN  
**chemet**  
CORPORATION

# AG COPP 75



## Protectant Copper Fungicide

**HARMFUL ECOTOXIC  
KEEP OUT OF REACH OF CHILDREN**

Please read label and Safety Data Sheet Completely before use.

ACTIVE INGREDIENT: Contains 750g/kg copper as cuprous oxide  
In the form of a wettable powder

**Hazard Classifications: 6.1D, 6.4A, 6.9B, 9.1A, 9.3B**  
**TOXIC: HARMFUL** - May be harmful if swallowed, inhaled or absorbed through the skin. May cause eye irritation. Avoid contact with the eyes. May cause organ damage from repeated oral exposure at high doses. Wash hands and exposed skin before meals and after work.  
**ECOTOXIC:** Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. Toxic to terrestrial vertebrates [birds].

**APPROVED HANDLERS** :This product must be under the control of an Approved Handler when applied in a wide dispersive manner, used by a commercial contractor, or applied directly onto or into water.

**RECORD KEEPING:** Records of use as described in NZS 8409: Management of Agrichemicals must be kept in circumstances. See SDS for details.

**FIRST AID:** If medical advice is needed, have product label or container at hand.

**IF SWALLOWED:** Call a POISON CENTRE or doctor/physician if you feel unwell.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**IF ON SKIN:** Wash with soap and water.

**IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell or if irritation persists.

24-hour Emergency Telephone Number- for advice contact the National Poisons Centre - 0800 POISON (0800 764 766) - or a doctor, immediately.

For special advice in an emergency only, call 0800 CHEMCALL or 0800 243 6225. In a transport emergency, call 111.

**TRANSPORT:** Do not carry on a passenger service vehicle. Segregate from foodstuffs.

**SAFETY DATA SHEET:** A Safety Data Sheet (SDS) for AG Copp 75 is available from Metachem Ltd NZ on request or [www.lonza.co.nz](http://www.lonza.co.nz).

**SPILLAGE:**

Wear protective clothing and prevent material entering waterways. Absorb spill with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

**STORAGE:**

-Store in original container tightly closed and in a locked, dry, cool, well-ventilated area, away from feed, seeds, and foodstuffs. Storage must be in accordance with the current version of NZS 8409 Management of Agrichemicals.  
- When stored appropriately, this product should show no significant degradation for 2 years from the date of manufacture (D.O.M). Contact your supplier for further information about the use of any product that is older than this.

**DISPOSAL:**

Disposal of this product only by using according to the label, or at an approved landfill, or another approved facility. Avoid contamination of any water supply with product or empty container.  
Container Disposal - ensure container is completely empty. Burn if circumstances, especially wind direction, permit. Otherwise, bury in suitable landfill.

**WITHHOLDING PERIOD:**

Do not apply to fruit and vegetable crops later than 1 day before harvest.

**CONDITIONS OF SALE:**

As no control can be exercised over the manner in which or the other conditions under which this product is used, all conditions and warranties expressed or implied, other than those required by statute are excluded. No responsibility will be accepted for any damage or injury whatsoever arising from storage, handling, application or the use of this product.

**Batch:**

**DoM:**

**Net Contents: 15 kg**

**REGISTERED TO:**  
American Chemet Corporation  
145 Hwy 282  
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+1 (406) 227-5302  
[nblossom@chemet.com](mailto:nblossom@chemet.com)

**DISTRIBUTED BY:**  
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Registered pursuant to the ACVM Act 1997, No.P5506. See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to the HSNO Act 1996, No HSR100980. See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions.

PLEASE READ LABEL COMPLETELY BEFORE USE

**DIRECTIONS FOR USE:**

It is an offense to use this product on animals.  
**RESTRAINTS:**  
 DO NOT apply when poor drying conditions exist.  
 DO NOT apply when either hot or frost prone conditions prevail, or immediately prior to damaging frost conditions. When multiple rate options are provided, use lower rates when disease pressure is light and higher rates when disease pressure is severe.  
**EQUIPMENT:**  
 Apply using accurately calibrated and maintained equipment in accordance with The New Zealand Standard for the Management of Agrichemicals (NZS 8439).  
**Instructions for Frost Injury Protection (Bacterial Ice Nucleation Inhibitor):**  
**Label rate application of AG Copp 75:** Two to five days prior to anticipated frost conditions, will afford control of ice-nucleating bacteria (*Pseudomonas syringae*, *Erwinia herbicola* and *Pseudomonas fluorescens*) and may therefore provide protection against light frost. Not effective for severe frost conditions.

**Compatibility:** AG Copp 75 is compatible with spray oils, and most commonly used neutral or slightly alkaline fungicides, insecticides and miticides. Do not tank mix with acidic chemistry. Observe all precautions and limitations on labels of all products used in mixture. If compatibility is a question, conduct a compatibility test before mixing. Mixtures with calcium nitrate may give rise to small skin markings on citrus. Kiwifruit- tank mixes past fruit set may result in fruit marking.  
**Resistance management strategy:** AG Copp 75 is a GROUP OF M1 FUNGICIDE. Ag Copp 75 is a member of the inorganic copper group of fungicides with multi-site activity. Some naturally occurring fungi and bacteria resistant to AG Copp 75 and other Group M1 fungicides may exist through normal genetic variability in any population. These will not be controlled by AG Copp 75 or other Group M1 fungicides. The resistant individuals can eventually dominate the population if copper products are used repeatedly. Since the occurrence of resistance is difficult to detect prior to use, American Chemet Corporation accepts no liability for any losses that may result from the failure of AG Copp 75 to control resistant fungi or bacteria. To prevent or delay the development of resistance, do not use AG Copp 75 below label rates, use in tank mixtures where appropriate, and/or in rotation with fungicides or bactericides having a different mode of action.  
 Refer to [www.resistance.nzpps.org](http://www.resistance.nzpps.org) for further information.

**Mixing:** Add AG Copp 75 slowly to the spray tank partially filled with water and agitate mixture to maintain uniform suspension. If using a mixture with emulsifiable concentrate, add the AG Copp 75 after making the emulsion otherwise, add spreaders/stickers, insecticides, nutrients, etc. after the AG Copp 75. Ensure adequate agitation of both during mixing and application. Rates as states in directions for use are for dilute spray volume application.

**DIRECTIONS FOR USE:**

Crop	Disease	Rates g/100L of Water	Critical Comments
Apples	Blackspot	90 (Min 1.75 kg/ha)	Apply a full cover spray between silver tip and green tip. Warning: Discontinue when green tip is 1 cm long as late application may cause phytotoxicity.
	European Canker	70-90 (min 1.3 kg/ha)	Apply the first application immediately post-harvest, before the occurrence of wet weather. Re-apply at the beginning of leaf fall and repeat as required to provide cover of leaf scars until leaf is complete. Ensure good coverage.
Avacados	Anthracoise	55-70 (min 1.6 kg/ha)	Apply at monthly intervals from flowering to harvest. Reduce to 14-day intervals during prolonged wet periods.
Brassicacs (cabbage, cauliflower, broccoli, brussels sprouts)	Downy mildew	55-70 (min 0.2 kg/ha)	Apply at first sign of disease and then every 10-14 days as necessary. Warning: Do not use on copper shy varieties.
Bush fruit, Cane fruit	Cane wilt, Cane Spot, Spur Blight, Leaf Spot	55-70 (min 0.52 kg/ha)	Apply at bud burst at 14-day intervals. Use higher rates in early season.
Strawberries	Leaf spot	55-70 (min 0.52 kg/ha)	Begin application when plants are established and continue on a weekly schedule throughout the season. Use higher rates early season. Note: Discontinue if signs of crop injury appear.
Celery	Septoria- Leaf Spot	70 (min 0.35 kg/ha)	Apply as soon as the plants are set in the field, then at 5-7 day intervals depending on the disease severity and environmental conditions. A wetting agent may be added at label recommended rates.
Citrus	Brown Rot	70-90 (min 1.4 kg/ha for mature trees)	Early winter and repeat 8-10 weeks later if necessary. Apply to bottom meter of tree and ground 0.5M beyond skirt. Copper marking may occur on sensitive varieties.
	Melanose, Verrucosis	35-70 (min 1.4kg/ha for mature trees)	Pre-blossom and petal fall sprays. Repeat 6 weeks later where Melanose is a problem.
Cucurbits	Angular leaf spot, Downy mildew	55-105 (min 0.5 kg/ha)	Apply at first sign of disease and repeat every 7-10 days.
Feijoas	Leaf spot (Glomerella sphaeceloma)	55-70 (min 0.8 kg/ha)	Repeat as necessary.
Grapes	Downy mildew, Black Spot	55-105 (min 0.7 kg/ha)	Apply at bud break and continue during pre and post bloom period every 14 days throughout the season as needed. Note: Discontinue if signs of injury are observed.
	Powdery mildew, Botrytis, Sour rot	55-90 (min 0.54 kg/ha)	The control of Sour Rot and the suppression of Powdery Mildew and Botrytis. Full control of Powdery Mildew and Botrytis may not be obtained under very high-pressure situations. Apply at 10-14 intervals throughout the season as required. To stay within the wine industry guidelines of less than 3kg metal copper per ha per season apply no more than 7 applications per season at 0.54 kg/ha.
Kiwifruit	Leaf spot, Botryosphera	55-70 (min 1.1 kg/ha)	Apply as dormant season spray only. Apply after harvest but before leaf fall, after pruning and as 2 sprays 1 month apart, before bud burst. Apply full dilute water rate, appropriate for the size of canopy to gain complete coverage.
		55-70 (min 1.1 kg/ha)	Apply after harvest but before leaf fall, after pruning and as 2 sprays 1 month apart, before bud burst. Apply full dilute water rate, appropriate for the size of canopy to gain complete coverage.
	PSA Pseudomonas syringae pathovar actinidiae	37.5	Pre and Post flowering. Do not apply to open flowers. Apply full dilute water rate, appropriate for the size of the canopy to gain complete coverage. Apply as required to prevent infection. Warning: Higher rates, and/or multiple applications and/or poor drying conditions could result in leaf drop, leaf marking, and marginal leaf burn. Fruit marking may occur from any application post flowering. Apply alone post flowering as tank mixing with other chemistry may increase the risk of fruit marking and leaf damage.
Lettuce	Downy mildew	55-90 (min 0.26 kg/ha)	Begin treatment from seed emergence or when transplants are set in the field and repeat every 7-10 days as needed to suppress the disease.
Onions	Downy mildew, Bacterial blight	70 (min 0.78 kg/ha)	Apply when the disease first appears and repeat every 10-14 days while conditions allow infection.
Passionfruit	Septoria spot, Brown rot, Grease spot	35 (min 0.35 kg/ha)	Apply at 2-4 weekly intervals alternating with mancozeb from Nov-Mar. Where Grease spot is a problem, 2-week intervals may be necessary.
Pears (inc Nashi)	Blackspot	90 (min 1.75 kg/ha)	Apply at 21-day intervals as full coverage spray between silver tip and green tip. Reduce intervals if wet conditions persist. Warning: Do not apply between green tip and harvest as late application may cause phytotoxicity. Smooth skin varieties- russetting may occur.
	Fireblight	20-35	
Peas	Downy mildew, Leaf spot	55-70 (0.53 kg/ha)	Begin treatment at seedling emergence and repeat every 7-14 days depending on disease severity.
Pine	Dothiostroma- pine needle blight	Aerial Mix 1.1 kg with 2 L of an intermediate type spraying oil and add sufficient water to give a total of 5 L/ha.	Apply at a rate of 5 L/ha using application equipment to give a droplet size of 65 microns. Repeat at yearly intervals as necessary. Nurseries are 2.66 kg/ha in 400- 1000 L of water.
Potatoes	Early and Late blight	105-160 (min 1.1 kg/ha)	Apply when plants are 15 cm high and then every 7 days until 2 weeks before harvest. Under severe disease pressure, use an alternative fungicide.
Stonefruit	Leaf Curt	90 (min 1.8 kg/ha)	Timing is critical for effective control. Apply high rate at bud movement with second application at lower rate 10-14 days later.
	Shot hole, Bladder plum		Use higher rate. Apply at leaf fall and at monthly intervals throughout winter until bud movement then treat as per leaf curt.
	Bacterial blast	170 (min 3.3 kg/ha)	Apply at leaf fall and repeat at monthly intervals throughout the winter until bud movement. Then treat as per leaf curt.
Tamarillo	Leaf Spot	55 (min 0.71 kg/ha)	Apply as necessary
Tomatoes	Early and Late blight, Bacterial speck and spot	55-105 (min 0.7 kg/ha)	Apply at first sign of disease and every 7-10 days depending on severity of disease and weather conditions, increase spray volume to ensure full coverage. Repeat after rain (more than 13 mm) or irrigation.



**Warning**

Harmful if swallowed.  
 Causes serious eye irritation.  
 May cause damage to organs through prolonged or repeated exposure (oral).  
 Very toxic to aquatic life with long lasting effects.  
 Ecotoxic to terrestrial vertebrates (Birds).

Wash hands thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Do not breathe dust.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 IF SWALLOWED: Call POISON CENTER or Doctor/physician if you feel unwell.  
 Rinse Mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 IF EYE IRRITATION PERSISTS: Get medical advice or attention.  
 Get medical advice if you feel unwell.  
 Dispose of contents/container in accordance with local/national/international regulations.  
 Avoid release to the environment.  
 Collect spillage.

**UN 5M2/Z26/S/18 USA/M5084**

GUARANTEED BY 8814

12-000008  
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# BioGro New Zealand Certificate of Compliance

This certificate confirms that the company and operations listed below are certified by BioGro

Company: **American Chemet Corp**  
**c/o Zelam Limited**  
**15 Hudson Road**  
**New Plymouth 4312**  
**New Zealand**

BioGro Number: **5646**

First Certified From: **16 May 2017**

Date of Issue: **9 May 2018**

#	Operation Name	Operation Facility/Address	Scope of Certification(s)	Products
01	American Chemet Corp -	c/o Zelam Limited, 15 Hudson Road, New Plymouth 4312	Input	Annex A

Renewal Application Due By: **30 April 2019**

Certification Valid From: **1 August 2018**

Certification Valid To: **31 July 2019**

Certification Committee:

Director:



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The above named licensee is licensed to apply or direct the application of the BioGro Certification trademark provided the product has been produced in accordance with the BioGro Organic Standards by the licensee or under the licensee's supervision at the location named in this certificate. While all due care and skill was exercised in carrying out this assessment, BioGro New Zealand Ltd accepts responsibility only for proven gross negligence. This is not a legal document and cannot be used as such. This certificate remains the property of BioGro New Zealand Ltd to whom it must be returned if required.



# BioGro New Zealand Annex A

## Inputs Certification Programme

BioGro Number: **5646**

Annex to BioGro Certificate Number: **RN 2018-1**

This Annex lists the products and services enrolled in BioGro's Input Certification Programme as compliant for use in organic production or food processing and handling under the standards and/or market access programmes as indicated below. This Annex is only valid when used in conjunction with the BioGro New Zealand Certificate of Compliance.

### 01 - American Chemet Corp -

Category	Certified Input	Status	BioGro Organic	IFOAM	MPI OOAP - EU	MPI OOAP - USDA NOP	MPI OOAP - Taiwan	JAS	Restriction
Crop Management	AG Copp 75	R	✓	✓	✓	✓	✓	✓	This product is restricted to a maximum of 3kg/Ha/Year of active ingredient. For PSA management in kiwifruit the maximum limit is 6Kg/Ha/Year active ingredient. Each year there must be a reduction in dependence on restricted materials and they may only be used until more acceptable alternatives are available

Notes:  
 Status P. Permitted Product. Can be used without having to prove need to BioGro.  
 Status R. Restricted Product. Can only be used under the specific conditions (restrictions) listed and proven need must be approved by BioGro.  
 IFOAM: accredited by IOAS (International Organic Accreditation Service).  
 MPI OOAP - EU - Ministry of Primary Industries Official Organic Assurance Programme for exports to Europe (EU) in accordance to Article 7 of Regulation (EC) No 1235/2008.  
 MPI OOAP - USDA NOP: exporting to the US under the trade arrangement.  
 MPI OOAP - Taiwan: exporting to Taiwan under the equivalency.  
 JAS - Japanese Agricultural Standard Organic Law.