



Australian Pesticides &
Veterinary Medicines Authority

Product Name: AgriTec Copper Sulfate Aquatic Algaecide
APVMA Approval No: 89177/151938

Label Name:	Davey AgriTec Copper Sulfate Aquatic Algaecide
Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	ACTIVE CONSTITUENT 60 g/L COPPER PRESENT AS COPPER SULFATE PENTAHYDRATE Also Contains 56 g/L SULFURIC ACID
Mode of Action:	
Statement of Claims:	For the control and prevention of most types of blue-green algae in irrigation canals, farm dams, industrial ponds, ornamental ponds, raceways, rice paddies, fish ponds, fish hatcheries and potable water supplies
Net Contents:	1 L - 1000 L
Restraints:	This section contains file attachment.
Directions for Use:	This section contains file attachment.
Other Limitations:	

Withholding Periods:	NOT REQUIRED WHEN USED AS DIRECTED.
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Trade Advice:	
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General Instructions:	Davey AgriTec will eliminate a broad range of algae and control the growth of resistant species in various situations. Treat shoreline areas first to avoid trapping fish in shallows. Allow 10-15 days for oxygen levels to recover before continuing treatment. Water treated with Davey AgriTec is suitable for use on plants, e.g. water of sports grounds and ornamental plants.
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Resistance Warning:	
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Precautions:	Do not use containers which have held product for any other purpose. Re-Entry DO NOT enter treated areas until spray has dried. If prior entry is necessary wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.
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Protections:	PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT 1. Fish - This product may be toxic to trout and other species of fish depending on water hardness. DO NOT treat water containing trout if the water is soft, i.e. the carbonate hardness of the water is lower than 50 ppm. DO NOT treat if water temperature is below 16oC. Treated waters cannot be discharged into rivers, streams, creeks, billabongs, lakes or wetlands without a licence from the Environmental Protection Agency (EPA). 2. Plants - Water treated with this product will not adversely affect plants and may be used immediately to water fairways, putting greens and ornamental plants. 3. Other - Swimming or fishing will not be affected by water treated with this product. 4. DO NOT treat dams used for drinking purposes by sheep grazing on Ragwort. 5. DO NOT use on areas where large numbers of waterfowl are foraging on filamentous algae.
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Storage and Disposal:	Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Store product above 4oC (Do Not Freeze). Triple-rinse containers before disposal. Add rinsings to water supply being treated. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked
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	and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.
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Safety Directions:	Harmful if swallowed. Will irritate the eyes, nose, throat and skin. Product is strongly acidic. Avoid contact with eyes and skin. Do not inhale vapour or spray mist. When using the product, wear cotton overalls over normal clothing buttoned to the neck and wrist and a washable hat, elbow-length chemical resistant gloves and goggles. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.
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First Aid Instructions:	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26; New Zealand 0800 764 766. If swallowed, do NOT induce vomiting. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
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First Aid Warnings:	
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RESTRAINTS

Davey AgriTec may be toxic to Australian native fish and crustaceans even in hard water. In water containing native fish, the product should be used with extreme caution and only where the algal infestation poses a serious threat to native fish.

DO NOT apply by ground boomspray.

Spray Drift Restraints

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift.

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.

DO NOT apply by aircraft unless the following requirements are met.

- Spray droplets not smaller than a MEDIUM spray droplet size category.
- For maximum release height above the target canopy of 3 m or 25% of wingspan or 25% of rotor diameter, whichever is the greatest, minimum distances between the application site and downwind sensitive areas (see 'Mandatory Buffer Zones' section of the following table titled 'Buffer Zones for Aircraft') are observed.

Type of Aircraft	Droplet Size Category	Mandatory Downwind Buffer Zone (metres)
		Bystander Areas
Fixed Wing Aircraft	Coarse	10
	Medium	35
Helicopter	Coarse	20
	Medium	35

DIRECTIONS FOR USE

SITUATION	PEST	DOSE RATE (mg/L) Refer to dilution table below	CRITICAL COMMENTS
Farm dams and ponds, irrigation canals, ornamental lakes, industrial ponds, raceways, fish ponds, fish hatcheries and potable water supplies, excluding rivers, streams, creeks, billabongs, lakes or wetlands	1. Free floating algae such as Euglena, Microcystis (Anacystis), Aphanizomenon, Oscillatoria, Dictyosphaerium, Anabaena	0.06 - 0.5 mg/L Copper	Apply in bright sunlight and when algae are first evident. Remove any large floating mats of algae before applying Davey AgriTec. Apply only on a calm, wind free day to the water surface.
	2. Filamentous algae, such as Spirogyra, Chlorella, Hydrodictyon, Cladophora, Oedogonium	0.06 - 1 mg/L Copper	If heavily infested, re-treat after 10-14 days as necessary.
	3. Chara algae	0.06 - 1 mg/L Copper	
Preventative			
Aerial Sown Rice	Blue green algae	3.6 L/ha - ideal conditions for average water depth up to 10 cm 5.4 L/ha - for average water depth 10-15 cm 7.1 L/ha - when average water depth exceeds 15 cm	Apply 7-10 days after sowing as a sole spray or in tank-mix with standard herbicide treatments. When applied as a sole spray, use not less than 20 L of water per litre of Davey AgriTec. The effectiveness of this product depends on its concentration. Use of lower rate in deepwater conditions will inhibit results.
Remedial			
Rice – Aerial and Drill Sown	Blue green algae	3.6 - 8.9 L/ha	Use lower rates in shallow water when algal filaments first become apparent. Use higher rates in deepwater and where algal bloom is smothering emerging rice seedlings.

	Dilution Rate			
Average Water Depth	Amount of Davey AgriTec per 1000 sq metres for desired Copper content			
	0.06 mg/L Copper	0.2 mg/L Copper	0.5 mg/L Copper	1.0 mg/L Copper
10 cm	102 mL	340 mL	850 mL	1.67 L
30 cm	300 mL	1 L	2.5 L	5 L
60 cm	600 mL	2 L	5 L	10 L
90 cm	900 mL	3 L	7.5 L	15 L
100 cm	1 L	3.33 L	8.33 L	16.67 L

Note: Algae generally grow in the first metre of water. The above table has been designed to treat water only down to that depth.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.