



AgriTec



Advanced
Algae
Control

AgriTec REVOLUTIONARY ALGAECIDE

FEATURES & BENEFITS

AgriTec® weakens algae's defence layer, allowing natural bacteria to consume it.

Traditional copper sulfate treatments have suffered from limited bio availability and also settle to the bottom without agitation or careful distribution, over time this leads to harmful accumulations.

AgriTec is formulated 99.6% bio-available copper which is extremely soluble dispersing easily in water column allowing it access the algae which predominately grow in the top meter of water.

AgriTec can be easily applied directly to the water source either manually or via automated dispenser. AgriTec then works quickly, around 7 to 10 days to control problem algal blooms.

Cost effective, with reduced treatment times and fewer total treatments annually AgriTec makes economic sense.

AgriTec has been fully assessed and approved by the APVMA (Australian Pesticides and Veterinary Medicines Authority).

Works quickly - AgriTec can control and/or eliminate harmful algae blooms in 7-10 days after only one application. In most systems, a significant impact can be seen in as little as 72 hours.

Highly bioavailable - Being formulated as almost 99.6% bioavailable ionic copper, means that an AgriTec treatment is fully available to problematic algae.

Model Number:
AGRI-1, AGRI-5, AGRI-15

APPLICATIONS

AgriTec is designed to quickly treat water sources of harmful algal blooms (HABs) making them a safer water source for a range of applications.

Selective - AgriTec controls cyanobacteria, including cyanotoxin-producing species, at rates that don't harm beneficial species of green algae.

Disperses Fast - AgriTec can be applied in one location and will distribute throughout the body of water without mechanical mixing. The copper added is very soluble and does not accumulate in sediments.

Economical Application - Significantly reduces labour costs for the treatment and maintenance of water bodies. It can be directly poured into the water source and doesn't require heavy equipment or sprays.

Effective duration control - Effectively provides control for up to 30 days or longer, depending on the species and density of algae present prior to application.

Reduced copper sulphate usage - Kills problem algae with up to 50-80% LESS copper versus other copper sulphate-based products.

Minimises Impact on ecosystem and toxins - AgriTec is effective at halting growth of cyanobacteria that produces cyanotoxins allowing beneficial bacteria to consume dying cells' materials.

Suitable for the control of algal blooms - Irrigation water storages, stock watering supplies, ornamental water bodies, fish impoundments. Safe for aquatic plants, pets and wildlife, hydroponics*

*Always read and follow label directions.

Algaecide Water Treatment

DAVEY

Application	Issue	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.
	2. Filamentous algae, such as Spirogyra, Chlorella, Hydrodictyon, Cladophora, Oedogonium	0.06 - 1 mg/L Copper	Remove any large floating mats of algae before applying AgriTec. Apply only on a calm, wind free day to the water surface.
	3. Chara algae	0.06 - 1 mg/L Copper	If heavily infested, re-treat after 10-14 days as necessary.
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 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.
AgriTec is approved by the APVMA (Australian Pesticides and Veterinary Medicines Authority) - Approval No. 89177/133399			

Dilution Rates				
Water Volume	0.06 mg/L Copper	0.2 mg/L Copper	0.5 mg/L Copper	1.0 mg/L Copper
1000 L	1 mL	3.3 mL	8.3 mL	16.7 mL
10,000 L	10 mL	33 mL	83 mL	167 mL
100,000 L	100 mL	333 mL	832 mL	1.67 L
1,000,000 L	1 L	3.33 L	8.3 L	16.7 L
5,000,000 L	5 L	16.65 L	41.7 L	83.5 L

How AgriTec compares with other algaecide treatments			
Parameter	AgriTec	Chelated Copper	Copper Sulphate Crystals
Percentage Copper	5%	9-10%	25%
Dispersal (unaided)	Yes	No	No
Distribution	Complete	Slow	Bottom
Bioavailable Cu ²⁺	99.60%	20-50%	2.50%
pH	0.3	9.2-9.8	2-3
Withholding Period	Not Required*	Recommended	Yes

*WITHHOLDING PERIOD is not required when used as directed.

****Always follow dosing and application label instruction when applying Agritec.****



daveywater.com

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DAVEY

YOU CAN DEPEND ON
DAVEY

Clean Water Advantage

AgriTec

**COPPER SULFATE
AQUATIC ALGAECIDE**



Application	Issue	DOSE RATE (mg/L) Refer to dilution table below	Critical Comments
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Scan here for more information on Davey AgriTec or visit daveywater.com to explore the range of quality Davey products.



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DWP3449/0226

DAVEY SUPPORT CENTRE
Ph 1300 369 100

AgriTec

COPPER SULFATE AQUATIC ALGAECIDE

AgriTec is formulated 99.6% bio-available copper which is extremely soluble dispersing easily in water column allowing it access the algae which predominately grow in the top meter of water.

WORKS QUICKLY

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SELECTIVE

AgriTec controls cyanobacteria, including cyanotoxin-producing species, at rates that don't harm beneficial species of green algae.

DISPERSES FAST

AgriTec can be applied in one location and will distribute throughout the body of water without mechanical mixing. The copper added is very soluble and does not accumulate in sediments.

ECONOMICAL APPLICATION

Significantly reduces labour costs for the treatment and maintenance of water bodies. It can be directly poured into the water source and doesn't require heavy equipment or sprays.

EFFECTIVE DURATION CONTROL

Effectively provides control for up to 30 days or longer, depending on the species and density of algae present prior to application.

REDUCED COPPER SULPHATE USAGE

Kills problemalgae with up to 50-80% LESS copper versus other copper sulphate-based products.

MINIMISES IMPACT ON ECOSYSTEM AND TOXINS

AgriTec is effective at halting growth of cyanobacteria that produces cyanotoxins and promoting growth of beneficial heterotrophic bacteria.

SUITABLE FOR THE CONTROL OF ALGAL BLOOMS

Irrigation water storages, stock watering supplies, ornamental water bodies, fish impoundments. Safe for aquatic plants, pets and wildlife, hydroponics*

*Always read and follow label directions.

Certification

AgriTec® is a USA EPA registered product for the control and prevention of algae and cyanobacteria. It is NSF certified to ANSI Standard 60 for use in sources of drinking water.



Registration

AgriTec is APVMA registered for use in Australia.

Rigorously Approved: Fully assessed and approved by the APVMA.

Guaranteed Performance: Confirmed safe and effective for its intended use.

Meets Strict Standards: Adheres to Australia's stringent health and environmental regulations.

Trusted & Compliant: Provides legal compliance and peace of mind for all applications.



Clear water, healthy farm.



AgriTec® weakens algae's defence layer, allowing natural bacteria to consume it.

How is the AgriTec treatment applied?

AgriTec may be poured into the water manually after calculating the volume of water to be treated and measuring the quantity of AgriTec necessary to attain a concentration of 0.06 ppm of copper or by using an automated dispenser calibrated to release the required amount.

For best results disperse AgriTec evenly throughout the water on a sunny day when algae are near the surface.

DAVEY

Selecting the right product for the job is essential.

Your Davey distributor is a water specialist with well trained staff in the principles of water treatment. To assist, take a few minutes to gather some basic information and take this completed form to your nearest Davey distributor.

1. What is the address of the water storage?

2. What is the water source?

- ☐ Rain-Water Collection
- ☐ Potable Water
- ☐ Stormwater Run-Off
- ☐ Bore Water
- ☐ Irrigation System Water

3. What is the water used for?

- ☐ Drinking Water
- ☐ Non-Potable Domestic
- ☐ Recreational Water
- ☐ Ornamental Water
- ☐ Stock Watering
- ☐ Crop Irrigation
- ☐ Fish Farming
- ☐ Other

4. Does the water storage discharge, where does it lead and can that discharge be controlled (ie in the event of an overflow of the storage)

5. What is the water volume to be treated?

6. Is there any wildlife within the water to be protected?

7. How "green" is the water (provide a photograph of a surface sample in a clear container against a white background)?

8. What is the aim of treatment?

- ☐ Aesthetic improvement,
- ☐ Restore or maintain irrigation system performance,
- ☐ Eliminate risk of blue-green algae – toxins, taste & odour prevention

Name _____

Address _____

State _____

Postcode _____

Phone _____

Email _____

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