

## **ALGAECIDE APPLICATION (CHARA/NITELLA) - 1 FOOT IN DEPTH**

### General Information

#### GENERAL INFORMATION

CUTRINE-ULTRA is a chelated copper formulation containing an emulsified surfactant/penetrant combination for highly effective control of coarse (thick cell-walled) filamentous algae, mucilaginous (colonial) planktonic algae, Chara and copper-sensitive vascular aquatic plants. CUTRINE-ULTRA, under field conditions, controls mat-forming, filamentous forms such as Spirogyra, Cladophora, Hydrodictyon, Vaucheria, Ulothrix, and Lyngbya; planktonic cyanobacteria such as Anabaena, Aphanizomenon, Microcystis, Pseudanabaena, Oscillatoria; and attached, bottom-growing forms such as Chara, Nitella, Gleotrichia. CUTRINE-ULTRA has also been proven effective in controlling the rooted aquatic plant, Hydrilla verticillata, Egeria densa and other copper-sensitive species. The ethanolamines in CUTRINE-ULTRA prevent the precipitation of copper with carbonates and bicarbonates in the water. Waters treated with CUTRINE-ULTRA may be used for swimming, fishing, drinking, livestock watering or irrigating turf, ornamental plants or crops immediately after treatment.

#### GENERAL TREATMENT NOTES

The following suggestions apply to the use of CUTRINE-ULTRA as an algaecide or herbicide in all approved use sites.

For optimum effectiveness?

- Apply early in the day under calm, sunny conditions when water temperatures are at least 60°F.
- Treat when growth first begins to appear or create a nuisance, if possible.
- Apply in a manner that will ensure even distribution of the chemical within the treatment area.
- Re-treat areas if re-growth begins to appear and seasonal control is desired.

Where fish are present, allow one to two weeks between consecutive total volume

treatments or test for recovery of oxygen levels before re-treatment.

- Allow seven to ten days to observe the effects of treatment (bleaching and breaking apart of plant material).

Limitations, Restrictions, and Exceptions

CHARA/NITELLA

ALGAECIDE APPLICATION

For effective control, proper chemical concentration should be maintained for a minimum of three hours contact time. The application rates in the chart are based on static or minimal flow situations. Where significant dilution or loss of water from unregulated inflows or outflows occur (raceways) within a three-hour period, chemical may have to be metered in.

- Identify the algae growth present as one of the following types: Planktonic (suspended), Filamentous (mat-forming), or Chara/Nitella.
- Determine the surface acreage (1 acre=43,560 sq. ft.) and average depth of infested area.

Under conditions of heavy infestation or low oxygen levels, treat only 1/3 to 1/2 of the water body at a time to avoid fish suffocation caused by oxygen depletion from decaying algae. Before applying, dilute the required amount of CUTRINE-ULTRA with enough water to ensure even distribution with the type of equipment being used. For most effective results, apply under calm and sunny conditions when water temperature is at least 60°F. Break up floating algae mats before spraying or while application is being made. Use hand or power sprayer adjusted to rain-sized droplets or inject underwater in a manner to ensure even distribution of product.

Spray shoreline areas first to avoid trapping fish.

CUTRINE-PLUS Granular Algaecide may be used as an alternative in low volume flow situations, spot treatments or treatment of bottom-growing algae in deep water

Method

[Spot treatment](#)

[Surface](#)

[Injection](#)

Rates

[field\\_rates 0](#)

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Timings

[N.A.](#)