

## **ALGAE CONTROL (0.5-1.0 PPM)**

### General Information

#### DIRECTIONS FOR USE

Symmetry NXG is for the application to fresh water lakes, potable water reservoirs, ponds (including golf course ponds), fish hatcheries, irrigation canals, laterals, and ditches and other such slow moving or quiescent bodies of water. Symmetry NXG successfully controls diverse algal types including branched, filamentous, and planktonic species. To obtain optimal control, apply Symmetry NXG in accordance with label directions at the first appearance of algae bloom. Water treated with Symmetry NXG must be used immediately to irrigate crops, golf courses, ornamental plants, and turf areas.

Surface applications of Symmetry NXG must be made using a land-based sprayer, or spray boat. Weighted trailing hoses are required for subsurface applications. Where appropriate, Symmetry NXG must be applied as an invert emulsion, or as an admixture with a suitable polymer, (see specific instructions, and select only adjuvants approved for application in food crop production).

Decomposition of dead plant material will result in dissolved oxygen depletion and subsequent fish kill. High water temperatures and dense weed infestation are exacerbating factors. To avoid excessive oxygen depletion and fish kill, treat no more than 1/2 of the water body at one time. Do not apply more Symmetry NXG than required for the treatment area, and allow at least 14 days before making application to the remaining portion of the water body. Avoid trapping fish between the shoreline and treatment areas by treating from the shore outward toward deeper, untreated water.

Algae in the water column or on the weed surfaces can reduce the effectiveness of aquatic herbicides against *Hydrilla verticillata* and other vascular weeds. Unless specifically prohibited by the mix partner label, Symmetry NXG can be tank mixed with products containing the active ingredients, copper, fluridone, diquat and endothall, to improve aquatic weed control. If a product is tank mixed with Symmetry NXG, the more stringent requirements of the Symmetry NXG and mix partner labels must be met.

NOTE: Symmetry NXG and solutions of Symmetry NXG with cupric ion concentrations in excess of 1.0 ppm can cause non target plant injury. Do not allow sprays to drift over crops, ornamentals, grass or other desirable plants. Observe all label restrictions.

### Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Additional requirements for aerial applications:

- The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
- Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.
- When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

Additional requirements for ground boom application:

- Do not apply with a nozzle height greater than 4 feet above the crop canopy.

### FISH NOTE

Symmetry NXG is toxic to fish and other aquatic invertebrates. The risk of fish toxicity generally decreases as the hardness of the water increases.

## IRRIGATION WITH TREATED WATER

Water treated with Symmetry NXG in accordance with label directions shall be used for irrigation immediately after treatment.

### Limitations, Restrictions, and Exceptions

## ALGAE CONTROL

Control of free floating genera is obtained at rates equivalent to 0.2 to 0.5 ppm metallic copper. Control of mat forming genera requires rates equivalent to 0.5 to 1.0 ppm metallic copper. Hard to control genera such as Chara and Phormidium require a rate of 0.5 to 1.0 ppm metallic copper to be applied at the first signs of algal growth. The lower ends of the required ranges can be used in soft water and low growth situations. Higher rates within the required ranges must be used in situations of hard water or high algal growth. Always consult your State Fish and Game Agency or other responsible agency before applying this product to public waters.

Best results are obtained when Symmetry NXG is applied at the first appearance of algae and when water temperatures are above 60°F. Apply under calm conditions in a manner that uniformly distributes Symmetry NXG throughout the treated area.

Symmetry NXG must be applied directly, but a 10 to 20 fold dilution of Symmetry NXG with water facilitates uniform application. Large mats of floating algae must be removed prior to treatment, and a second application at least 2 weeks following the initial treatment are required in areas of dense algae growth.

### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

### Rates

[field\\_rates 0](#)

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### Timings

[At the first appearance of algae and when water temperatures are above 60°F.](#)