



### Aquatrols Radiance® Stability in Solution (Earth Science Labs, Rogers, AR)

**Research Coordinators:** Earth Science Labs

**Objective:** To demonstrate the ability of Radiance® algaecide to remain in suspension without copper settlement to the bottom of a water column.

#### Study Details

##### Mixtures evaluated:

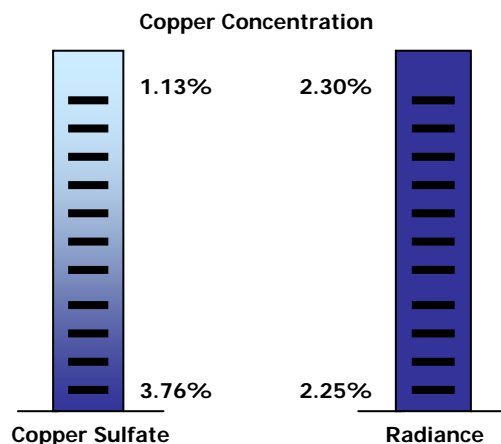
- Aquatrols Radiance
- Copper Sulfate

##### Test Conditions:

- Laboratory evaluation using EPA approved methods
- Solutions tested in graduated cylinder
- Assessment made after 24 hours

##### Evaluations:

- Gradient of Cu concentration by depth



#### Results

- Aquatrols Radiance remained consistently suspended in solution with only a very slight Cu concentration gradient from the top to the bottom of the cylinder.
- The copper sulfate solution settled out resulting in a steep concentration gradient with significantly higher Cu concentrations at the bottom of the cylinder and significantly less at the top.

#### Conclusion

Aquatrols Radiance® remains evenly dispersed in water resulting in consistent Cu concentrations throughout the water column. This demonstrates the ability of this innovative copper formulation to avoid the settling out of Cu that is common with other copper based algaecides.