



8820 Old Hwy 99 SE, Olympia, Washington 98501, USA  
360-943-6063 800-562-6184 FAX 360-352-4813 www.ch2o.com

**Product  
Bulletin**

**AGRI GUARD® F**  
**IRRIGATION NETWORK CLEANER**  
(International Patents Issued and Pending)

**APPLICATION**

Mineral crystallization in irrigation networks may often lead to plugging of nozzles and clogging of sand filters or heat-exchangers. The use of strong mineral acid wash has proven to be expensive and often impractical in removing these deposits. Other hazards associated with strong mineral acids include handling, storage, and disposal procedures.

One approach to addressing mineral deposits is to treat the water system with a material that alters the formation and growth of hard crystalline deposits. **AGRI GUARD F** is a water treatment product that causes mineral crystals to deform and become highly irregular. The distorted crystals are powdery in nature, which reduces accumulation of crystalline mineral deposits that can restrict and plug emitter nozzles.

**AGRI GUARD F** is specifically formulated to inhibit crystalline deposits, which harbor organic materials in irrigation networks. Preventing organic accumulations in irrigation networks is an important step in maintaining free-flowing irrigation water.

**AGRI GUARD F** when properly applied, is not harmful to soil, growing crops, or irrigation networks.

**SAFETY & HANDLING PROCEDURE**

This product is alkaline. Chemical splash goggles and impervious gloves should be worn during all handling of the concentrate. Eye contact will cause severe irritation with possible burns. Refer to the Material Safety Data Sheet for further safety and handling procedure.

**FEEDING TECHNIQUE**

Inject directly into the irrigation lines using CH<sub>2</sub>O automated metering equipment. Never mix this product with other products without the use of properly tested metering equipment.

**CONTROL**

Maintain a residual of up to **1-ppm total oxidant**, as tested by CH<sub>2</sub>O test reagents. Daily testing is recommended to maintain proper control. Failure to monitor and maintain treatment levels can cause damage. It is the customer's responsibility to monitor and maintain treatment levels with support from a CH<sub>2</sub>O sales representative.

**DOSAGE**

Use only with CH<sub>2</sub>O operating equipment. A control test is recommended on individual plant species to determine tolerance.

**PHYSICAL PROPERTIES**

Appearance..... Clear Liquid  
Odor ..... Mild  
Foam ..... None  
Pounds per Gallon ..... 9.2 - 9.7  
pH of Use Solution ..... Variable

**Seller Warranty**

Applies to all products sold by CH<sub>2</sub>O, Inc., and is hereby communicated to all of its customers as a condition of sale.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Jurisdiction for any issues arising from or relating to this product shall be in the courts of the State of Washington and the venue shall be Thurston County. Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the rules and procedures as stated in RCW 7.06 and shall be binding upon both parties without right to appeal, and judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

January 24, 2006 (Rev 07-28-08)

