

## IRRIGATION SYSTEM CLEANER

### Key Benefits

- The concentrate and the treated solution are very stable, so the treatment travels further at low dosing rates.
- The treated water is safe for intermittent irrigation line cleaning in areas of actively growing crop.
- Reduces the clogging in irrigation lines which results in more consistent delivery.
- Due to the surfactant chemistry, treated water can prevent particles in irrigation water from sticking to irrigation lines which over time can cause a build-up that will restrict water flow.
- Due to the stable benefit of the AqWat PLUS chemistry, low rate of 2-5 ppm as an intermittent treatment are recommended.
- Use in micro irrigation systems including drip, spray stakes, micro emitters, and small-nozzle center pivot systems.
- Use as shock treatment to water storage tanks and water silos.

AqWAT PLUS is available through a select distribution and dealer network. Contact Marion Ag Service or your Pace 49 representative to source information or product. AqWAT PLUS is conveniently packaged in 2.5, 55 and 275 gallon sizes.

*Read the label for further information and always follow label directions when using agricultural chemicals.*



### CLEAN DELIVERY

A safe, reliable, broad spectrum delivery system that can withstand the test of time and provide farmers a superior crop.

Irrigation systems are often used for the delivery of nutrients and as an easy, automated way to deliver nutrients and chemicals to crops. To optimize the uniformity of applied inputs, the individual emitter uniformity needs to be maintained as well.

Water sources and delivery systems vary and can become clogged with minerals and biology that compromise system function resulting in inferior crops due to inadequate hydration and dirty water.

Injecting AqWat PLUS into your irrigation system is an effective way to improve the effectiveness of watering.





Quaternary ammonium –Didecyl Dimethyl Ammonium Chloride

The quaternary ammonium chemistry falls into the cationic surfactant category and is also known as a cleaner. AqWAT PLUS is an irrigation system cleaner.

Not known to be related to compromised crop market value due to elevated tissue chlorate levels.

Intermittent or continuous treatment.

- Single concentrate
- Not prone to offgassing

In all high-efficiency irrigation delivery methods except organic.

Skin and eye irritant.

Biodegradable

High organic tolerance

**High mineral** tolerance in hard water up to 2000 ppm

A **very stable** chemical with no limitation to storage bottle color. The stability contributes to the **effectiveness of intermittent** injection at **low rates**.

**Class 8 Corrosive only**

UN1903 Disinfectant, Liquid, corrosive, N.O.S. (Contains Isopropanol and Quaternary Ammonium compounds), 8, PG III

## ACTIVE INGREDIENT

Chlorine or peroxide

## FUNCTION

The hydrogen peroxide and chlorine chemistries fall into the oxidizer category and can be used as irrigation system cleaner.

Can be related to reduced crop market value due to elevated chlorate levels found in crop tissue.

## FEATURES

Continuous treatment is recommended.

- May be multiple concentrates
- Often prone to offgassing

## USES

May be available to use in organic and conventional agriculture systems.

## HEALTH HAZARD

Skin and eye irritant.

## ENVIRONMENT

Biodegradable

**No organic** tolerance

Low mineral tolerance in hard water

**Extremely unstable** under heat and light, best to store in opaque bottle. The instability contributes to the **need to continuously** inject at **high rates**.

## SHIPPING AND WAREHOUSING

**Class 5.1 Oxidizer** and **Class 8 Corrosive**