

Water-Rite FC™

Water-Rite FC™ Nonionic Surfactant



Principal Functioning Agents

Alkylglucoside, 1,2,3-tri-hydroxypropane, polydimethylsiloxane.....	45.15%
Constituents ineffective as a spray adjuvant.....	54.85%
Total.....	100.0%

Surfactant Content.....34.8%

All ingredients are exempt from the requirements of a tolerance as specified in 40 CFR 180.



KEEP OUT OF REACH OF CHILDREN
DANGER

Hazard Statements

- Causes serious eye damage.
- Causes mild skin irritation.

Precautionary Statements

- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Wash thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves and eye/face protection.
- IF IN EYES: Rinse continuously with water for several minutes.
- Remove contact lenses if present and easy to do; continue rinsing.
- Immediately call a poison center or doctor/physician.
- IF ON SKIN: Wash with plenty of soap and water.

Environmental Hazards

Not for aquatic use. Do not contaminate water sources by cleaning of equipment or disposal of wastewaters.

First Aid

If in Eyes: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing. Immediately call a doctor/physician. Call a poison control center or doctor for treatment advice.

If on Skin: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. Call a poison control center or doctor for treatment advice.

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

General Information

Water-Rite FC is a unique, plant derived, nonionic surfactant, formulated to enhance the infiltration and uniform distribution of irrigation water and rainfall in a variety of soil types. Water-Rite FC will improve irrigation efficiency and increase soil moisture content.

Apply Water-Rite FC through irrigation injection systems or through the use of conventional spray equipment.



This Product Has Been Reviewed and Approved By the CPDA
(Council of Producers and Distributors of Agrotechnology)

California State Reg. No. 45989-50028-AA

Directions For Use

For Soil Moisture Management

Use 1 quart per acre of Water-Rite FC through any type of irrigation system. First application should be made at initial irrigation cycle. A follow-up application of 1 pint per acre is recommended two weeks after initial application. Continue with 1 pint per acre every 4 to 6 weeks. Schedule the last application of the season with the final full irrigation cycle.

***IMPORTANT: Additional Operating Instructions for Chemigation.** Review your state and local regulatory requirements before applying any adjuvant of agricultural chemical through an irrigation system. Refer to the **SUPPLEMENTAL LABELING FOR CHEMIGATION APPLICATIONS** for additional use requirements and restrictions. (See next page.)

Conventional Tank Mix Sprayers: Apply Water-Rite FC at 2% v/v (2 gallons per 100 gallons) of spray solution and apply at a rate of 1 to 4 pints per acre.

As A Tank Mix Adjuvant: Use Water-Rite FC at a rate of 0.25% v/v to 0.50% v/v (1 to 2 quarts per 100 gallons). Water-Rite FC can be used with a range of liquid fertilizers and crop control products. Always read and follow label directions of the accompanying tank mix product pertaining to the use of an adjuvant.

Jar Test: Conduct a jar test in advance to confirm tank mix compatibility. Fill tank mix 1/2 full with water, then add Water-Rite FC without agitation. Add remaining ingredients, fill with remaining water, then agitate. The addition of an antifoam agent will minimize foam.

Storage, Disposal & Spill

Do not contaminate water, food, or feed by storage or disposal.

Storage: Do not store below 32°F or above 120°F. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Do not contaminate water, food or feed by storage or disposal of this product.

Disposal: Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit www.acrecycle.org. Decontaminated containers may also be disposed of in a sanitary landfill. Dispose of contents/container in accordance with local/national regulations.

Spill: In the event of a major spill, fire or other emergency, call CHEMTREC at (800) 424-9300.

WATER-RITE FC IS NOT FOR AQUATIC USE

For Use On All Agricultural Crops
NOT A PLANT FOOD INGREDIENT

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(If you don't understand the label, find someone to explain it to you in detail.)*



KALO

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CONDITIONS OF SALE, LIMITED WARRANTY, AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale – Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded. The directions of this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of KALO, Inc., the manufacturer or seller. In addition, failure to follow label directions may cause injury to crops, animals, workers or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind express or implied concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law. The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at KALO, Inc.'s election, one of the following:

1. Refund of the purchase price paid by buyer or user for product purchased, or,
2. Replacement of the product used.

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company, the manufacturer and seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.



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13200 Metcalf Ave., Suite 250, Overland Park, KS 66213
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Washington State Reg. No. 45989-11002

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Use 1 quart per acre of Water-Rite FC through any type of irrigation system. First application should be made at initial irrigation cycle. A follow-up application of 1 pint per acre is recommended two weeks after initial application. Continue with 1 pint per acre every 4 to 6 weeks. Schedule the last application of the season with the final full irrigation cycle.

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IMPORTANT: Additional Operating Instructions for Chemigation. Review your state and local regulatory requirements before applying any adjuvant of agricultural chemical through an irrigation system. Refer to the **SUPPLEMENTAL LABELING FOR CHEMIGATION APPLICATIONS** below for additional use requirements and restrictions.

SUPPLEMENTAL LABELING FOR CHEMIGATION APPLICATIONS

General Directions For Chemigation

- Calibrate the irrigation and injection system before applying Water-Rite FC. Calibrate the injection pump with the irrigation system fully charged at the desired operating pressure. If you have questions about calibration, you should contact state extension specialists, equipment manufacturers, or other experts.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall start up, operate, or shut down the system and make necessary adjustments should the need arise.
- Check the irrigation system to insure uniform application of water. The chemigation system, which is inclusive of the irrigation equipment and chemigation apparatus, must be properly maintained.
- Do not apply when system connections or fittings leak or when emitters or sprinkler heads are not properly functioning.
- The injection unit and supply tank should be equipped with an in-line strainer with a 100-mesh or larger screen positioned between the supply tank and the injection pump. Dispose of any residue in accordance with Federal or State laws.
- The irrigation system must contain a functional check valve, vacuum relief valve, inspection port, and low-pressure drain that are appropriately sized and located on the irrigation mainline to prevent water source contamination from back-flow. The adjuvant (pesticide) injection line must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The adjuvant (pesticide) injection line must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown. The system must contain functional interlocking controls to automatically shut off the adjuvant (pesticide) injection pump when the water pump motor stops. The irrigation mainline or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm or piston pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Add specified amount of Water-Rite FC to the water in the supply tank. Application should be in sufficient water and of sufficient duration to apply the recommended rate evenly.
- Start the water pump and irrigation system, allowing the desired pressure to be achieved throughout the irrigation system before starting the injection process.

- Apply continuously for the duration of the application period.
- Do not allow irrigation water to collect or run-off during chemigation and pose a hazard to workers, bystanders, livestock, wells, or adjoining crops.
- Once the application is completed, thoroughly flush the entire irrigation and injection system with untreated water before turning off the irrigation system. To ensure the lines are flushed and free of this product, a dye indicator may be injected into the lines to mark the end of the application period.
- Wear required Personal Protective Equipment when making adjustments or repairs on the chemigation system when Water-Rite FC is in the irrigation water or residue may be present.
- Do not apply when wind-speed favors drift beyond the area intended for treatment. Do not apply when wind speed favors drift, when system connection or fittings leak, when sprinkler heads or emitters do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Using Water From Public Water Systems

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ), back-flow preventer or the functional equivalent in the water supply line upstream from the point of adjuvant (pesticide) introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to adjuvant (pesticide) introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

- Do not connect an irrigation system (including greenhouse systems) used for adjuvant (pesticide) application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

Additional Operating Instructions for Chemigation

- Any alternatives to the above required safety devices must conform to the "List of EPA-approved Alternative Devices."
- Refer to the American Society of Agricultural Engineer's Engineering Practice 409.1 for more information about back-flow safety devices.

Washington State Reg. No. 45989-11002



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