



# Sixteen 90



**IMPROVES WATER PENETRATION**



**PROVEN LONG-TERM PROTECTION AGAINST WATER REPELLENCY**

**NET CONTENTS: 2.5 GALLONS (9.46L)**

8.637 lbs/gal

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

Read entire label for additional precautionary statements.  
FOR PROFESSIONAL OR INDUSTRIAL USE ONLY.

For chemical emergency spill, leak, fire, exposure or accident, call CHEMTEL day or night. Domestic North America 800-255-3924. International call 813-248-0585 (collect calls accepted).

**CONTAINS NON-PLANT FOOD INGREDIENTS:**

Guaranteed Analysis:

Active Ingredient 99.5% ..... Propoxylated Polyethylene Glycols

Inert Ingredient 0.5% ..... Water

**NOT RECOMMENDED FOR USE AS A FERTILIZER SUBSTITUTE**

*All ingredients are exempt from the requirements of a tolerance as specified in 40 CFR 180.1001(c)* NOT A PLANT FOOD INGREDIENT.



Aquatrols® Sixteen90 is an economical soil surfactant that improves water penetration and reduces hydrophobicity. It can be used at various rates, depending on the duration of effect required by the applicator. Sixteen90 is easily applied with conventional spray equipment.

## General Use Guidelines

### INITIAL APPLICATION:

**IMPORTANT:** Begin applications at least one month prior to the onset of stress conditions. Under high stress situations, such as presence of localized dry spot (LDS), above average growing degree days (GDD), and/or low rainfall, an application of **Aqueduct®** should be applied 7 days prior to the first application of Sixteen90.

## Directions for Use

**WHAT IT DOES:** Sixteen90 improves water penetration and provides long-term protection against water repellency issues.

**WHERE AND WHEN TO USE:** Sixteen90 is recommended for use on turfgrasses such as those found on golf courses, athletic fields and in lawn and landscape situations to enhance turf quality and the efficient use of water, labor and other inputs. Sixteen90 may be safely applied at any time during the growing season.

**TANK MIXING:** Sixteen90 can be safely applied in a tank mix with a range of commonly used turf chemicals and fertilizers at rates not exceeding 6 fl oz/1000 ft<sup>2</sup>. When turf managers are selecting a new tank mix combination with Sixteen90, Aquatrols® recommends a jar test be conducted to determine compatibility prior to large volume tank mixing.

## Application Rates

Rate	Application Frequency			
	90 Day *	90 Day Split * Repeat application in two weeks	30 Day **	14 Day **
Per 1000 ft <sup>2</sup>	16 oz	8 oz	4-6 oz	2-4 oz
Per 100 m <sup>2</sup>	480 mL	240 mL	120-180 mL	60-120 mL
Per Acre (approx)	5.8 gal	2.9 gal	1.45-2.2 gal	0.73-1.45 gal
Water Vol. Per 1000 ft <sup>2</sup>	5 gal	2.5 gal	2 gal	2 gal

Variables which impact performance and program application can be: soil type, presence of localized dry spot, quality of irrigation water, growing degree days, and rainfall levels.

\* **For best results**, apply at least ½ inch (7.5 mm) of irrigation after application. If runoff or puddling occurs, water in using cycle/soak runs until ½ inch (7.5 mm) is achieved. Irrigate before next mowing. Sixteen90 is exceptionally safe when applied as directed and does not produce any initial decline in turf quality. **For control beyond 3 months**, a subsequent application of 8 fl oz/1000 ft<sup>2</sup> (240 mL/100 m<sup>2</sup>) in 2 gallons (8 L) of water may be required for extended performance through the fall period.

\*\***For best results**, apply syringe irrigation after application. Irrigate before next mowing.

## Additional Uses of Sixteen90

### LEACHING SALTS:

To leach salts out of the rootzone, a necessary component is thorough and uniform water movement through the rootzone and down to the drain lines. Sixteen90 can aid in this quick penetration and wetting of the rootzone to ensure that water penetrates and wets the soil thoroughly to carry salts away. Sixteen90 is also safe to use with salt management products, and when coupled with applying a proper leaching fraction, ensures a successful program for salt removal. Use Sixteen90 at 2 fl oz/1000 ft<sup>2</sup> along with other products you may be using to manage salts, and then the leaching fraction should be applied.

### IMPROVING PENETRATION OF AQUATROLS REVOLUTION®:

In situations where adequate irrigation cannot be applied, Sixteen90 can be added at 2 fl oz/1000 ft<sup>2</sup> to the tank mix of Aquatrols Revolution® in order to improve penetration of Revolution. This combination is used where turf managers are unable to provide adequate irrigation to drive Revolution into the soil profile due to ponding or puddling.

## Precautionary Statements/First Aid Measures in Case of Contact

### PRECAUTIONARY STATEMENTS

- Avoid breathing vapors or mists.
- Avoid using product in a manner as to directly, or through drift, expose workers or other persons.
- Always consult the safety data sheet for specific instructions.
- Applicators and other handlers must wear goggles or a facial splash shield; chemical resistant gloves, such as nitrile rubber ≥ 14 mils or neoprene rubber ≥ 14 mils; coveralls or long sleeved shirt and trousers; shoes plus socks.
- Keep out of reach of children.

### FIRST AID MEASURES IN CASE OF CONTACT

- **EYE:** DO NOT RUB EYES. Immediately flush eyes with large amounts of water for 15 minutes lifting the lower and upper lids. Seek medical attention if necessary.
- **SKIN:** Remove contaminated clothing and immediately wash affected area with large amounts of water for at least 5 minutes. If irritation or redness persists, seek medical attention as needed.
- **INGESTION:** Give large amounts of water to drink. Seek medical attention if necessary. Induce vomiting only upon advice from a physician.

## Precautionary Statements/First Aid Measures in Case of Contact (continued)

- **INHALATION:** Move individual to fresh air and check to ensure adequate respiration. Seek medical attention if necessary.

Applicators and other handlers should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove protective clothing and equipment after handling. Wash the outside of gloves before removing. Wash thoroughly and change into clean clothing.

For technical information and Safety Data Sheet (SDS), contact Aquatrols at 1-800-257-7797 or visit our website at [www.aquatrols.com](http://www.aquatrols.com).

For more detailed information call 1-800-257-7797.

## Storage and Disposal

- Keep container tightly closed. Store in original container only. Keep in a secure and locked storage area. Do not add water to the contents of this container.
- Triple rinse container and empty rinse water into spray or stock tank. Dispose of empty containers in accordance with federal, state and local law.

## Condition of Sale

### Limited Warranty and Limitations of Liability and Remedies

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If the terms are not acceptable, do not use the product and instead, return the unopened product container immediately. By using this product, you accept the following Conditions, Disclaimer of Warranties and Limitation of Liability.

For technical information, contact Aquatrols Corporation at 800-257-7797. Information regarding the contents and levels of metals in this product is available on the internet at [www.aapfco.org/metals.html](http://www.aapfco.org/metals.html)

**CONDITIONS:** The directions for use on this label are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Insufficient performance or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions or good application practices, all of which are beyond the control of Aquatrols Corporation. In addition, failure to follow label directions may cause poor performance, injury to crop, animals, human, or the environment. You assumed all such risks by using this product.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, AQUATROLS CORPORATION MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT, INCLUDING NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL AND NO SUCH WARRANTY SHALL BE IMPLIED BY LAW. No agent of Aquatrols Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, Aquatrols Corporation disclaims any and all claims are waived any liability whatsoever for special, incidental or consequential damages or expense of any nature, including, but not limited to, loss of profit or income, resulting from the use or handling of this product.

**LIMITATION OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, the remedy for any losses or cause of action relating to injuries, damages or the handling or use of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or, at Aquatrols Corporation's election, the replacement of the product. Aquatrols shall not be liable and any and all claims against Aquatrols are waived for special, indirect, incidental or consequential damages or expense of any nature, including, but not limited to, loss of profit or income.



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