

H-45™

Surfactant

Principle Functioning Agents

Polyoxyethylene-polyoxypropylene copolymer, heptamethyltrisiloxane ethoxylated (8 EO), dimethylsiloxane polymer	40.25%
Constituents Ineffective as Spray Adjuvants	59.75%
Total	100.00%

**Non-plant Food Ingredient
Not For Aquatic Use**

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS

Read label before use. Keep container tightly closed. Keep only in original container. Avoid breathing dust, fume, gas, mist, vapors or spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective eye wear, gloves and long-sleeved shirts and pants.

FIRST AID

Call a poison control center or doctor immediately for treatment advice. Have the product container with you when calling a poison control center or doctor, or going for treatment.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing for several minutes.

IF ON SKIN OR CLOTHING: Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water for several minutes.

IF SWALLOWED: Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person.

IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911.

GENERAL INFORMATION

H-45™ improves the infiltration and percolation of irrigation water into the root zone of agricultural soils.

H-45 soil surfactant dramatically lowers the surface tension of water and enables precipitation/irrigation to penetrate through water-resistant surfaces almost immediately.

Recommended for use on all agricultural crops.

DIRECTIONS FOR USE

H-45 may be applied by conventional spray rig equipment and through most irrigation systems.

If applying with nutrients or active ingredients, perform a jar test using the order and amounts in the mixture and conduct a phytotoxicity test to ensure both tank mix compatibility and crop safety.

MIXING INSTRUCTIONS

Fill mixing tank half full with carrier.

Add H-45 without agitation. A defoamer may be added if foaming occurs.

APPLICATION RATES

This product is a soil surfactant and is NOT effective on foliage.

For best results treatment must be immediately followed with a ¼ inch of irrigation or precipitation to ensure soil contact.

Irrigation systems (back-flow/check valve recommended):

The 1st application of the season: 1 to 6 quarts/acre. Second application two weeks later: 1 to 6 pints/acre. Every 4 to 6 weeks for the rest of the season: 1 to 6 pints/acre.

DO NOT APPLY MORE THAN 2 quarts of H-45 per acre in the state of Washington.

Ground sprayers: 1 to 8 pints/acre. 2 gallons H-45 per 100 gallons water (2% v/v)

Aerial Sprayers: 6-16 oz/acre. Minimum 1% v/v

With nutrients & active ingredients: 1 to 4 quarts H-45 per 100 gallons tank mix. 0.25%v/v to 1.00% v/v

Transplant application: 1 to 2 pints per 100 gallons of transplant water.

STORAGE AND DISPOSAL

Storage: Store in a cool well-ventilated place. Material is hygroscopic and should not be exposed to moisture in order to maintain product integrity. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F.

Disposal: Do not contaminate water, food or feed by disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations. Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at www.acrcycle.org.

Conditions of Sale and Warranty Limitation: The directions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of CHS or the seller. All such risks shall be assumed by the buyer. CHS warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. CHS makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall CHS or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. CHS and the seller offer this product, and the Buyer and the User accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of CHS.

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**NET CONTENTS:
275 Gallons (1041 L)**