



# Contrast<sup>®</sup>

## 70 WSP



**A Systemic Fungicide In Water Soluble Packets for Management of Foliar, Soilborne, Cutting and Bulb Diseases Caused by Basidiomycete Fungi in Greenhouses, Saran and Shade Houses, Outdoor Container and Field-Grown Ornamental Nursery Stock**

- For control of Rhizoctonia, Sclerotium rolfsii and various rust diseases.
- Preventive and curative activity.
- Systemic fungicide.
- Ideal chemistry for IPM and rotational programs.
- Can be tank mixed with other products, such as Truban and Fungo, to broaden the spectrum of diseases controlled.
- Chemigation instructions for ease of use in seedling and transplant production.
- Long residual disease control.

**PACKAGING**

**Unit Size:**

pouch

8 x 1 oz. packets

**Units Per Case:**

10 x (8 x 1 oz. packets)

**STOCK #95216**

(See next page  
for label information)

Distributed by:

Scotts-Sierra Crop Protection Company

14111 Scottslawn Road • Marysville, OH 43041

**For Product Information, call TOLL FREE 1-800-492-8255**



**A Systemic Fungicide In Water Soluble Packets  
for Management of Foliar, Soilborne, Cutting  
and Bulb Diseases Caused by Basidiomycete  
Fungi in Greenhouses, Saran and Shade  
Houses, Outdoor Container and Field Grown  
Ornamental Nursery Stock**

**ACTIVE INGREDIENT:**

Flutolanil: N-[3-(1-methylethoxy)phenyl]-2-(trifluoromethyl) benzamide . . . . .	70%
OTHER INGREDIENTS . . . . .	30%
<b>TOTAL</b>	<b>100%</b>

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**FIRST AID**

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes then continue rinsing eye. Call a poison control center or doctor for treatment advice.

EPA Reg. No. 432-1223-58185      EPA Est. No. 67545-AZ-01

**NET CONTENTS: 8 oz. (226.4 g)  
(each pouch contains eight - 1 oz. (28.3g) water soluble bags)**

Manufactured under license from Nihon Nohyaku Co., Ltd., Tokyo, Japan.

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Contrast™ is a registered trademark of Scotts-Sierra Crop Protection Company for its brand of plant protection products.



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**IN CASE OF MEDICAL, ENVIRONMENTAL, OR  
TRANSPORTATION EMERGENCIES OR INQUIRIES,  
CALL 1-800-543-8873 (24 HOURS A DAY).**

**FOR PRODUCT INFORMATION,  
CALL TOLL-FREE: 1-800-492-8255**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
AND DOMESTIC ANIMALS  
CAUTION**

Causes moderate eye irritation. Harmful if absorbed through the skin. AVOID contact with eyes, skin or clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves of any waterproof material
- Shoes plus socks

**USER SAFETY RECOMMENDATIONS**

Do not eat, drink, smoke, or chew gum or tobacco while handling this product and until hands and face are thoroughly washed with soap and water. Do not use the toilet before thoroughly washing hands.

If this product penetrated through your clothing or personal protective equipment, stop handling this product immediately, remove the clothing and equipment, wash your body thoroughly, and put on clean clothing and equipment before resuming the handling activity.

After handling this product, remove personal protective equipment immediately. Wash the outside of gloves before taking them off. Shower or wash thoroughly and change into clean clothing as soon as possible.

Discard clothing and personal protective equipment that cannot be reused, including clothing and other absorbent materials that have been drenched or thoroughly contaminated with this product's concentrate. Otherwise, wash clothing and personal protective equipment (including both the inside and outside of gloves) before each day of reuse according to manufacturer's directions or, if no such directions, in detergent and hot water. Keep and wash them separately from other laundry.

**ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic invertebrates. For terrestrial uses, do not apply to water, areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read entire label before using this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency in your State responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval.

The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical resistant gloves of any waterproof material
- Shoes plus socks

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep unprotected persons out of the treated areas until sprays have dried.

This labeling MUST be in possession of the user at the time of pesticide application.

### STORAGE AND DISPOSAL

**STORAGE:** Store in a cool, dry place.

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Completely empty pouches of contents into application equipment, then dispose of empty pouches in sanitary landfill or by incineration; or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**DO NOT REUSE THIS CONTAINER  
DESTROY WHEN EMPTY**

## FOR USE IN GREENHOUSES, SARAN AND SHADE HOUSES, OUTDOOR CONTAINER AND FIELD GROWN ORNAMENTAL NURSERY STOCK GENERAL INFORMATION

CONTRAST 70 WSP is a systemic fungicide, packaged in water soluble bags, that when mixed with the appropriate volume of water, will provide systemic, preventive, and curative activity in the management of foliar, soilborne, and propagative diseases caused by rusts, species of *Rhizoctonia*, and *Sclerotium rolfsii*.

Although CONTRAST 70 WSP can be curative, application is suggested on a preventive basis at all sites of use where applicable when conditions are optimum for disease development or past history indicates disease development is imminent. When used as a curative treatment, apply CONTRAST 70 WSP at the highest recommended concentration or rate allowed according to label directions.

Add the appropriate number of CONTRAST 70 WSP water soluble packets to a partially filled spray or drench tank. The bags may float, but do not disturb them. Allow the bags to dissolve for 5 minutes prior to agitation and filling the tank to final volume. Maintain continuous agitation throughout application and apply with properly calibrated spray equipment using 50-mesh or larger screens.

If CONTRAST 70 WSP fungicide is tank mixed with other labeled plant protection products, add CONTRAST 70 WSP first. After the CONTRAST 70 WSP bags are completely dissolved, add the mixture partners.

Failure to follow the directions for use and precautions on this label may result in poor disease control or plant injury.

For foliar applications, apply the spray mixture to obtain optimum coverage of the plant foliage.

**Make no more than 4 applications of CONTRAST 70 WSP per year to ornamental plantings.**

### FOR THE STATE OF NEW YORK USE THE FOLLOWING DIRECTIONS:

**NAUSSAU AND SUFFOLK COUNTIES: USE IS LIMITED TO DRENCH APPLICATION TO CONTAINER GROWN ORNAMENTALS IN GREENHOUSES ONLY**

- **FOLIAR APPLICATIONS TO FIELD GROWN OR OUTDOOR CONTAINER GROWN ORNAMENTALS (Not for use in Nassau and Suffolk counties of New York):** Do not make more than 2 applications of Contrast 70 WSP per acre per year or no more than 4.2 pounds active ingredient per acre per year. See Foliar Spray Application Section for more details.
- **CONTAINER GROWN ORNAMENTALS (DRENCH APPLICATION):** Do not make more than 4 applications of Contrast per year to ornamental plantings. Mix 3-6 ounces Contrast per 100 gallons of water and use 1-3 pints of this spray solution per square foot of container surface area. A single application of Contrast 70 WSP should not exceed 43 pounds active ingredient per acre of container surface area.
- **Do not apply Contrast 70 WSP as a drench to Field grown or outdoor container grown ornamentals in Nassau and Suffolk counties of New York.**
- If using chemigation to apply Contrast 70 WSP, use drip or trickle type irrigation systems. When using fertilizer injectors or a hand held sprayer, use a beaker type nozzle on the end of the spray hose or spray wand. In all cases, make sure the drench water is deposited within the plant container and remains there without runoff. Before applying the fungicide, be sure the potting soil in each container is pre-wetted. See Chemigation and Drench Application Sections for more details.

## CHEMIGATION INFORMATION

Apply this product only through pressurized drench (flood), sprinkler, or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation systems.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts.

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

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Pesticide supply tanks are recommended for the application of this product. See label instructions for dilution use rates and timing of application. Agitate continuously during application.

## OVERHEAD, MICROJET, OR DRIP IRRIGATION APPLICATION

CONTRAST 70 WSP alone or in tank mixture with other pesticides which are registered for overhead, microjet, or drip application may be applied in irrigation water at rates recommended on this label. Follow the label directions for the most restrictive of label limitations and precautions. This product cannot be mixed with any product containing a label prohibition against such mixing.

Apply this product only through an overhead, microjet, or drip irrigation system. Do not apply this product through any other type of irrigation system. Plant injury or lack of effectiveness can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension specialists, equipment manufacturers, or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. 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 for at least 60 days out of the year.

## OPERATION INSTRUCTIONS

- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the 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.

- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline 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 shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which 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 pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.
- Prepare a mixture with a minimum of 1 gallon of water per 1 ounce water soluble packet of CONTRAST 70 WSP and inject this mixture into the system. Injecting a larger volume of a more dilute mixture per hour will usually provide more accurate calibration of metering equipment. Maintain sufficient agitation to keep the fungicide in suspension.
- Meter into irrigation water during the beginning of the irrigation cycle.
- With overhead or microjet systems, apply enough water to thoroughly wet the potting media.

**Precaution for irrigation applications:** *Where distribution patterns do not overlap sufficiently, unacceptable control may result. Where distribution patterns overlap excessively, injury to desirable plants may result.*

## USE PRECAUTIONS

NOTICE: Do not use water-soluble PVA packets in a tank mix with products that contain boron or release-free chlorine. The resultant reaction of PVA and boron or free chlorine is a plastic which is not soluble in water or solvents such as oils, kerosene, gasoline, or alcohol.

**NOTICE TO USER:** CONTRAST 70 WSP fungicide has shown acceptable plant tolerance to the specific genera and species listed on this label. Due to the large number of species and varieties of ornamentals and nursery plants, it is impossible to test every one for tolerance to CONTRAST 70 WSP. Neither the Manufacturer nor the Seller has determined whether or not CONTRAST 70 WSP can be used safely on ornamental plants not specified on this label. For plants not specified on the label, trial applications should be at the highest labeled concentrations to at least 25 plants. Apply 3 times at 14 day intervals (foliar) and twice at a 28 day interval (drench). Observe for phytotoxicity prior to each application and 2 weeks after final application.

PLANT TYPE	Such as, but not limited to
Herbaceous Bedding	Geranium, Petunia, Snapdragon
Flowering	Chrysanthemum, Hollyhock, Iris, Lily, Poinsettia
Tropical Foliage	English Ivy, Pothos, Fern
Woody Ornamentals	Azalea, Holly, Pittosporum, Rose
Evergreen Trees	Douglas Fir, Cedar
Flowering Trees	Crabapple, Hawthorne
Non-Bearing Fruit Trees	Pear, Apple

## FOLIAR SPRAY APPLICATION

### Mixing and Application Instructions:

Add the appropriate amount of CONTRAST 70 WSP fungicide to a partially filled tank and follow previous instructions.

### Adjuvant Addition:

Use of a compatible surfactant may improve coverage and uptake. Often, the addition of surfactants (wetting agents) will aid in the performance of plant protection products under certain conditions. Generally, surfactants (wetting agents) are not required with CONTRAST 70 WSP fungicide where adequate spray coverage is achieved. Should inadequate spreading of the CONTRAST 70 WSP spray occur, the addition of a surfactant (wetting agent) may be considered. If addition is warranted, trial applications must be followed, using the instructions in the section above, *Notice to User*, as phytotoxicity can result from such additions.

Disease Controlled	Ounces of CONTRAST 70 WSP per 100 gallons	Spray Interval In Days
Rusts	3 to 6	14 to 21
Foliar Rhizoctonia	3 to 12	14 to 21

## SOIL DRENCH APPLICATIONS

### Mixing and Application Instructions:

Add the appropriate amount of CONTRAST 70 WSP fungicide to a partially filled tank and follow previous instructions. Maintain continuous agitation throughout application.

### Disease(s) Controlled and Application Concentration/Rates:

CONTRAST 70 WSP fungicide will prevent and provide curative activity against species of *Rhizoctonia* and *Sclerotium rolfsii*. If needed, retreat with CONTRAST 70 WSP 21 to 28 days after the initial application. Apply CONTRAST 70 WSP at 3 to 6 oz. per 100 gallons. Applications to ground and raised beds should be delivered at 1 pint per square foot (4 inch depth or less) and 2 pints per square foot for depths greater than 4 inches.

To containers, use the following recommended volumes per container size listed:

Container Size (Type)	Application Volume Per Square Foot or Container Size
seedling trays	1 pt./sq. ft.
< 4 inch	1 pt./sq. ft.
4 inch	2 fl. oz.
5 inch	2½ fl. oz.
6 inch	6½ fl. oz.
7 inch	8½ fl. oz.
8 inch	11 fl. oz.
9 inch	14 fl. oz.
10 inch	17½ fl. oz.

**NOTE:** Above 10 inches in nursery container production, a drench volume of 2½ to 3 pints per square foot of surface area may be required.

## CUTTING & BULB DIP

### Mixing & Application Instructions:

Add the appropriate amount of CONTRAST 70 WSP fungicide to a partially filled tank and follow previous instructions. During dipping period, keep CONTRAST 70 WSP suspension under constant agitation.

### Cutting and Bulb Disease(s) Controlled and Application Concentrations:

CONTRAST 70 WSP fungicide will prevent and provide curative activity against species of *Rhizoctonia* and *Sclerotium rolfsii*. Use at 3 to 6 oz. per 100 gal.

Immerse cuttings for 5 minutes, remove and allow to drain and preferably dry prior to planting. Wear clothing outlined in PPE Requirements for applicators and other handlers.

With bulbs, corms, and rhizomes, dip cleaned units for 5 minutes and allow to dry prior to planting, as well as following previously stated PPE Requirements.

## IMPORTANT NOTICE: DISCLAIMER AND LIMITATION OF LIABILITY

This product has been researched to provide necessary data to support its use on the ornamentals listed on the label. The user should always follow the label directions and exercise judgment and caution when using this product on a given variety until familiar with the results under their growing conditions. NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS OR IMPLIED, CONCERNING THE RESULTS OBTAINED FROM THE USE OF THIS PRODUCT. The exclusive remedy of the user or Buyer, and the liability of The Scotts Company or its affiliates, for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or Buyer for the quantity of this product involved. The Buyer and all users are deemed to have accepted the terms of this Notice, which may be varied only by agreement in writing, signed by a duly authorized representative of The Scotts Company.



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