



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

October 21, 2016

Ms. Carrie Tackema  
Regulatory Manager  
Nufarm Americas Inc.  
4020 Aerial Center Parkway, Suite 101  
Morrisville, NC 27560

Subject: Label Amendment – addition of additional vegetable greenhouse production uses  
Product Name: NUP-09092A  
EPA Registration Number: 228-723  
Application Date: March 24, 2016  
Decision Number: 515792

Dear Ms. Tackema:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact me by phone at 703-305-5410, or via email at johnson.hope@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to be 'HJ', written in a cursive style.

Hope Johnson, Product Manager 21  
Fungicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

# NUP-09092A Fungicide

[ABN: EMBLEM Fungicide]

For control of certain foliar, stem, and root diseases in ornamentals grown in interiorscapes field nursery plantings, container nurseries, forest nurseries, residential and commercial landscapes, greenhouses, lath and shade houses, hoop houses or other enclosed structures.

\*For control of certain diseases on listed vegetables [Brassica (Cole), Cucurbits, Tomatoes and Fruiting, Herbs, and Leafy Vegetable groups] including seedlings and transplants grown in greenhouses, lath and shade houses, hoop houses or other enclosed structures only. Not for field vegetable production.

\*Not for Use in California

<b>Active Ingredient:</b>	
Fludioxonil.....	40.3%
<b>Other Ingredients:</b> .....	59.7%
<b>Total:</b> .....	100.0%

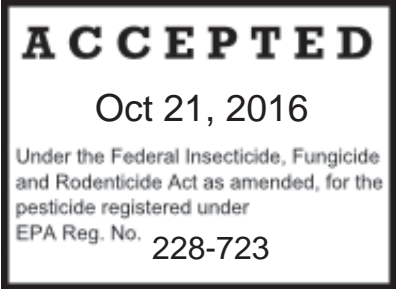
Contains 4 pounds active ingredient per gallon (480 grams per liter).

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

SEE [NEXT PAGE] [BELOW] FOR ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300  
 For Medical Emergencies Only, Call (877) 325-1840



EPA REG. NO. 228-723  
 EPA EST. NO. \_\_\_\_\_

NUFARM AMERICAS INC.  
 11901 S. Austin Avenue  
 Alsip, IL 60803



NET CONTENTS \_\_\_\_\_ GAL. ( \_\_\_\_\_ Liters)  
 [Designation as "NONREFILLABLE" or "REFILLABLE" for containers > 5 GAL]  
 [Nufarm: Grow a better tomorrow]  
 [Grow a better tomorrow]  
 000228-00723.20161010.draft

<b>FIRST AID</b>	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</li> <li>•</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.</p>	

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

**CAUTION:** Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves (barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC or Viton).
- Shoes plus socks

### **USER SAFETY REQUIREMENTS**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

<b>USER SAFETY RECOMMENDATIONS</b>
<p><b>Users Should:</b></p> <ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.</li> <li>• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li> <li>• Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.</li> </ul>

## Engineering Controls

When handlers use closed systems in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

## Environmental Hazards

This product is toxic to fish, aquatic invertebrates, and oysters and shrimp. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. **Groundwater Advisory:** This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow. **Surface Water Advisory:** This chemical may contaminate water through drift or spray in wind. This chemical has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this chemical. A level, well maintained vegetative buffer strip between areas to which this chemical is applied and surface water features such as ponds, streams, and springs, will reduce the potential for contamination of water from rainfall runoff. Runoff of such as when soils are saturated and/or significant rainfall is forecast in the next 48 hours. Sound erosion control practices will reduce this chemical's contribution to surface water contamination.

## Physical or Chemical Hazards

Do not use or store near heat or open flame. Do not use with or store near any oxidizing agents, hazardous chemical reaction may occur.

## DIRECTIONS FOR USE

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

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 State or Tribal agency 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), restricted-entry interval, and notification to workers. 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**

**Exception:** If the product is applied by drenching, the Worker Protection Standard, under certain circumstances allows workers to enter the treated area if there will be no contact with anything that has been treated.

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 made 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.

**Do not enter treated areas without protective clothing until sprays have dried.**

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL OR PLANT INJURY**

### **USE RESTRICTIONS**

- **Hawaii Use is limited to ornamentals grown in interiorscapes, greenhouses, lath and shade houses, containers, or other enclosed structures.**
- **Nassau and Suffolk Counties, New York Use is limited to ornamentals grown in interiorscapes, greenhouses, lath and shade houses, hoop houses, containers, or other enclosed structures.**
- **Do not apply NUP-09092A™ Fungicide with any type of aircraft.**

**OBSERVE THE FOLLOWING RESTRICTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, ESTUARIES, AND COMMERCIAL FISH FARM PONDS.**

- Do not apply within 75 ft of bodies of water such as lakes reservoirs rivers, permanent streams natural ponds, marshes or estuaries.
- For all plantings within 150 ft of bodies of water as described above, spray crops from outside the planting away from the bodies of water.
- Shut off the sprayer when at row ends.
- Spray the last three rows windward of aquatic areas using nozzles on one side only, with spray directed away from aquatic areas.
- Do not cultivate within 10 ft of aquatic areas as to allow a vegetative filter strip.
- Do not apply when weather conditions favor drift to aquatic areas. Do not apply when gusts or sustained winds exceed 10 mph.
- Do not apply during a temperature inversion. Mist or fog may indicate the presence of an inversion in humid areas.

### **RESISTANCE MANAGEMENT**

NUP-09092A Fungicide contains fludioxonil which is in the phenylpyrrole class of chemistry and has a unique mode of action which prevents fungal respiration (Fungicide Action Group 12). Fungal isolates with acquired resistance to Group 12 may eventually dominate the fungal population if Group 12 fungicides are used repeatedly or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by fludioxonil or other Group 12 fungicides. A disease management program that includes alternation or tank mixes between NUP-09092A Fungicide and other labeled fungicides that have a different mode of action may prevent pathogen populations from developing resistance. Sanitation and other cultural practices to minimize disease are also recommended to aid in control as well as to assist in preventing/delaying resistance development.

## MIXING PROCEDURES

1. Prepare no more spray mixture than is needed for the immediate operation.
2. Thoroughly clean spray equipment before using this product.
3. Vigorous agitation is necessary to maintain uniformity of the spray mixture.
4. Maintain maximum agitation throughout the spraying operation.
5. Do not let the spray mixture stand overnight in the spray tank.
6. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

To determine the physical compatibility of NUP-09092A Fungicide with other products, use a jar test as described below.

### Jar Compatibility Test

1. Using a quart Jar, add the proportionate amounts of the products to 1 qt of water.
2. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last.
3. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily it is physically compatible.
4. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.
5. If using NUP-09092A Fungicide in a tank mixture, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank-mix product label.
6. Do not exceed the dosage rates on any label.
7. Follow the most restrictive label restrictions.
8. Do not mix this product with any other product whose label prohibits such mixing.
9. Tank mixtures are permitted only in those states where the tank mix partner is registered.

### Note: Use with oils or adjuvants may cause plant damage

Plant tolerance has been found acceptable for ornamentals listed in the **ORNAMENTALS** section of this label. However, not all possible tank-mix combinations have been tested under all conditions. When possible, it is recommended to test the combinations on a small portion of target plants to ensure a phytotoxic response will not occur as a result of application.

### NUP-09092A Fungicide Alone:

1. Add 2/3 of the required amount of water to the spray or mixing tank.
2. With the agitator running, add the labeled amount of NUP-09092A Fungicide into the spray tank all at once.
3. Continue agitation while adding the remainder of the water.
4. Begin application of the spray solution after the material has completely dispersed into the mix water.
5. Maintain agitation until all of the mixture has been applied.

### NUP-09092A Fungicide+ Tank Mixtures:

NUP-09092A Fungicide is usually compatible with Strider<sup>®</sup>, Torque<sup>®</sup>, Tourney, Adorn, Stellar, Spectro 90<sup>™</sup>, 3336<sup>®</sup>, Alude<sup>™</sup>, and other commonly used fungicides, insecticides and foliar nutrient products. However, the physical and biological compatibility of NUP-09092A Fungicide with tank-mix partners should be tested before use. If in doubt, run a jar compatibility test or consult with Nufarm company representatives, other users, university or extension personnel before proceeding.

1. Add 2/3 of the required amount of water to the spray or mixing tank.
2. With the agitator running add the labeled amount of NUP-09092A Fungicide into the tank all at once.

3. Continue agitation while adding the remainder of the water.
4. Allow NUP-09092A Fungicide to dissolve and the product to completely disperse into the mix water. Then add the desired amount of other products recommended for tank mixture and allow them to become completely dispersed.
5. Continue agitation to maintain a uniform suspension until all of the spray solution has been applied.
6. Other wettable powders or water dispersible granules should be added to the water in the tank next, followed by flowable products, and emulsifiable concentrates added last.
7. Provide sufficient mechanical or bypass agitation during mixing and application.

## **APPLICATION:**

### **Directions for Use Through Microjet or Drip Chemigation Systems**

1. For applications of NUP-09092A Fungicide as soil drench applications only.
2. Do not use in overhead irrigation systems
3. 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.
4. NUP-09092A Fungicide alone or in tank mixture with other pesticides which are registered for microjet or drip application may be applied in irrigation water at rates specified in this label.
5. Applications to the soil may be made through microjets or drip irrigation. With microjet systems, apply additional water after application is complete to remove residues from the foliage. Apply enough supplemental water to wet the root zones of the plants.
6. Do not apply this product through any other type of irrigation system.
7. 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.
8. Thorough coverage is necessary to provide good disease control. Where distribution patterns do not overlap sufficiently, unacceptable control may result. Where distribution patterns overlap excessively, injury to desirable plants may result.

### **Spray Preparation**

1. Chemical tank and injector system should be thoroughly cleaned.
2. Flush system with clean water.
3. Fill the mix (supply) tank with the required amount of water.
4. Start agitation in the tank.
5. Agitate the solution until the NUP-09092A has completely dispersed into the solution. Then add desired amount of tank-mix partners.
6. Maintain agitation in the tank and inject this mixture into the irrigation system.
7. Injecting a larger volume of a more dilute mixture per hour will usually provide more accurate calibration of metering equipment.
8. Maintain sufficient agitation to keep the fungicide in suspension.
9. Meter into irrigation water during the beginning of the irrigation cycle.

### **Operation Instructions**

1. 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.
2. The pesticide injection pipeline must contain a functional automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.



3. 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.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. 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.
6. 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.
7. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.
8. 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.

### **Specific Instructions for Public Water Systems**

1. 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.
2. Chemigation systems connected to public water systems must contain a functional reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction.
3. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.
4. 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.
5. The pesticide injection pipeline must contain a functional automatic quick-closing check valve to prevent the flow of fluid back toward the injection pump
6. The pesticide injection pipeline must 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.
7. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or in cases where there is no water pump when the water pressure decreases to the point where pesticide distribution is adversely affected.
8. 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.
9. Do not apply when wind speed favors drift beyond the area intended for treatment.

## **ORNAMENTALS**

NUP-09092A Fungicide is a protectant fungicide for control of certain foliar, stem, and root diseases in ornamentals grown in interiorscapes, field nursery plantings, container nurseries, forest nurseries, residential and commercial landscapes greenhouses, lath, shade houses, and hoop houses, or other enclosed structures. NUP-09092A Fungicide may also be used on indicated vegetables grown in greenhouses, lath, shade houses, and hoop houses, or other enclosed structures.

**Restrictions:**

HAWAII ONLY: For use only on ornamentals grown in containers, greenhouses or other enclosed structures.

NEW YORK ONLY: Use in Nassau and Suffolk Counties is limited to ornamentals grown in interiorscapes, greenhouses, lath and shade houses, hoop houses, containers, or other enclosed structures.

NUP-09092A Fungicide controls foliar diseases of ornamentals caused by *Rhizoctonia* spp., *Botrytis* spp., *Cercospora* spp., *Cylindrocladium* spp., *Alternaria* spp., *Septoria* spp., and *Myrothecium* spp. when applied on a regular schedule as a full coverage spray.

NUP-09092A Fungicide also will provide control of stem and root diseases caused by *Rhizoctonia* spp., *Fusarium* spp. (e.g., *F. oxysporum*), *Cylindrocladium* spp., *Sclerotium* spp., and *Thielaviopsis* spp., when mixed with the potting media or as a drench to the root zone of plants.

For control of stem and root diseases caused by *Pythium* spp. and *Phytophthora* spp., tank mix NUP-09092A Fungicide with labeled rates of Adorn and/or Alude. See mixing instructions for these tank mixes.

**Plant Species**

NUP-09092A Fungicide has been tested and found to be safe on the ornamentals listed in Table 1 at specified rates. For plants not listed in the table, see the **NOTICE TO USER** box at the bottom of the Table Numbers in parentheses refer to diseases controlled See Table2.

**TABLE 1 – LIST OF ORNAMENTALS**

African Violets (1-13)	Coreopsis* (1-13)	Petunia (1-13)
Ageratum (1-11)	Cyclamen (1-13)	Pittosporium (9-13)
Alyssum (1-13)	Daffodil (4 10 11)	Poinsettia (1,4, 10-13)
Aster (1-13)	Dahlia* (1-13)	Portulaca* (1-13)
Azalea (4, 12, 13)	Daisy* (1-13)	Pothos (1-13)
Begonia (1-13)	Fern** (1-13)	Rose (1, 4, 10)
Bleeding Heart* (1-13)	Fuchsia* (1-4)	Salvia (1-13)
Boxwood (1-13)	Gerbera Daisy (1-13)	Snapdragon (1-13)
Bridal Veil* (1-13)	Gomphrena (1-13)	Spathiphyllum (1-13)
Caladium (1-13)	Iris (4 10 11)	Sunflower* (1-13)
Calendula (1-13)	Lantana* (1-13)	Tobacco, Flowering* (1-13)
Carnation (1-13)	Lily (4 10 11)	Tulip (4 10 11)
Celosia (1-13)	Lysianthus (9-13)	Verbena (1-13)
Centrosa* (1-13)	Marigold (1-13)	Vinca (1-13)
Chenille* (1-13)	Mexican Heather* (1-8)	Wandering Jew* (1-13)
Christmas Cactus (1-13)	Nephthytis* (1-13)	Zinnia (1-13)
Chrysanthemums (1-13)	Pansy (1-13)	
Coleus (1-13)		

**Note**

\*Indicates that only foliar applications have been tested for plant safety

\*\*Do not apply NUP-09092A Fungicide to leather leaf fern

1. Drench or at seedling applications to Impatiens or New Guinea Impatiens may cause stunting and/or chlorosis.
2. Foliar or drench applications to Geranium can cause stunting or chlorosis. Responses may vary depending on environmental conditions. NUP-09092A Fungicide should be tested on a limited area to evaluate for any possible damage before proceeding with treatment of the entire crop.

**NOTICE TO USER:** Plant tolerance to NUP-09092A Fungicide has been found to be acceptable for 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 NUP-09092A Fungicide. Neither the Manufacturer nor the Seller has determined whether or not NUP-09092A Fungicide can be used safely on ornamental plants not specified on this label. The user should determine if NUP-09092A Fungicide can be used safely prior to use. In a small area, test the required rates on a small number of plants for phytotoxicity prior to widespread use.

**Table2: Diseases Controlled by NUP-09092A Fungicide**

<b>Foliar Diseases</b>	
1	Aerial Blight ( <i>Rhizoctonia</i> spp )
2	Alternaria Leaf Blight ( <i>Alternaria</i> spp )
3	Alternaria Leaf Spot ( <i>Alternaria</i> spp )
4	Botrytis Blight ( <i>Botrytis</i> spp )
5	Cercospora Leaf Spot ( <i>Cercospora</i> spp )
6	Cylindrocladium leaf spots and blights ( <i>Cylindrocladium</i> spp.)
7	Myrothecium Leaf Spot and Blight ( <i>Myrothecium</i> spp )
8	Septoria Leaf Spot ( <i>Septoria</i> spp )
<b>Stem, Crown, and Root Rots</b>	
9	Cylindrocladium Stem and Root Rot ( <i>Cylindrocladium</i> spp )
10	Fusarium Stem and Root Rot ( <i>Fusarium</i> spp )
11	Rhizoctonia Stem and Root Rot ( <i>Rhizoctonia</i> spp )
12	Southern Blight ( <i>Sclerotium rolfsii</i> )
13	Black Root Rot ( <i>Thielaviopsis</i> spp )

**Foliar Spray**

For control of *Rhizoctonia* spp., *Alternaria* spp., *Septoria* spp., *Myrothecium* spp., and *Cercospora* spp., use 1-2 fluid ounces /100 gal of water and spray to runoff at 7 to 14 day intervals while conditions are favorable for disease development.

For control of *Botrytis* spp., and *Cylindrocladium* spp. use 2-4 fluid ounces/100 gal of water and spray to runoff at 7 to 14 day intervals while conditions are favorable for disease development. For management of the potential development of resistance in the *Botrytis* population, use no more than two consecutive applications of NUP-09092A Fungicide before rotating to another effective product registered for *Botrytis* control on ornamentals with a different mode of action.

**Notes**

- (1) Under severe conditions, use the highest specified rate and/or the shortest application interval.
- (2) Use sufficient spray volume to wet the plants to the point of drip.

**Restriction**

For a single foliar application, apply up to a maximum of 4 fluid ounces /100 gal (1fl oz /25 gal) (0.188 lbs ai/A).

### **Pre-Potting Growing Media Mix**

NUP-09092A Fungicide can be mixed with the potting media before seeding or transplanting by uniformly mixing 1-2 fluid ounces per cu yd of potting media. Mix the specified amount of NUP-09092A Fungicide with 5 - 10 gallons of water and applied to 1 (one) cu yd of potting media. Adjust water volume depending upon characteristic of media and equipment. Uniform mixing can be accomplished by placing the potting mix in a rotating drum or other mixing device, and spraying the NUP-09092A Fungicide solution onto the mix while the equipment is mixing the media. Media should be uniformly damp to insure proper application. NUP-09092A Fungicide treatment should be made just before the plants are seeded or potted up.

### **Growing Medium Drench At Seeding**

For the control of damping-off, root, and stem diseases, mix 1 fluid ounce per 100 gallons of water. When using NUP-09092A Fungicide for control of *Rhizoctonia* spp., apply sufficient mix to wet the upper one-half of the growing medium. For control of other root and stem diseases, completely drench the growing medium.

### **Restriction**

Make only one application to the seeding crop prior to transplanting or transfer to larger containers.

### **Growing Medium Drench for Transplants and Cuttings**

For the control of root and stem diseases, mix 1-2 fluid ounces per 100 gallons of water. When using NUP-09092A Fungicide for control of *Rhizoctonia* spp., apply sufficient mix to wet the upper one-half of the growing medium. For control of other root and stem diseases, completely drench the growing medium. If needed, retreat transplants and cuttings with NUP-09092A Fungicide as described above at 21 to 28 day intervals. Two applications per year during conditions favorable for disease development are usually adequate to control diseases of ornamentals.

### **Notes**

- (1) Under severe conditions, use the highest specified rate and/or the shortest application interval.
- (2) For control of *Pythium* and *Phytophthora* diseases in addition to *Rhizoctonia* spp., *Cylindrocladium* spp., *Thielaviopsis* spp., *Fusarium* spp., and *Sclerotium* spp., tank mix NUP-09092A Fungicide with labeled rates of Adorn and/or Alude.

### **Restriction**

Drench applications can be made at up to a maximum of 2 pt /sq ft to wet the root zone of plants (1.6 lb ai/A).

### **Restrictions: Maximum Use Rates**

For indoor drench applications, use up to 30 fluid ounces of NUP-09092A Fungicide per 1000 sq ft/year (10 gallons [40 lbs AI] per acre). Applications to pre-potting mix can be made up to 4 fluid ounces of NUP-09092A Fungicide per cu yd.

The high use rates specified for container nurseries, greenhouses, or other enclosed structures are due to the high organic matter soil mixes used in these systems and the high binding affinity of NUP-09092A Fungicide for organic matter.

For field grown and landscape ornamentals, apply up to a maximum of 1.5 fluid ounces/1000 sq ft /year (0.51 gallons [2.04 lbs AI] per acre) and the single maximum application rate is 0.68 lb Fludioxonil/A/application. For outdoor container grown ornamentals, apply up to a maximum of 3 fluid ounces/1000 sq ft /year (1 gallon [4 lbs AI]/A/year).

**CROP USE  
DIRECTIONS**

**Vegetables including Seedlings and Transplants (Not For Use in California or Hawaii)**

Not for field vegetable production use.

NUP-09092A Fungicide may be used for management of foliar, stem and root diseases on indicated vegetables grown in greenhouses, lath, shade houses, and hoop houses, or other enclosed structures only.

When a range of rates is provided, use the higher rates if weather conditions are conducive for higher disease pressure.

Crop	Disease	Rate fl oz/Acre	Notes
<b>Brassica (Cole) Leafy Vegetables (Head and Stem Subgroup 5A and Leafy Greens 5B)</b> (Including all cultivars and/or hybrids of these) Broccoli Broccoli, Chinese Broccoli raab Brussels sprouts Cabbage Cabbage, Chinese Cauliflower Cavalo broccolo Collards Kale Kohlrabi Mizuna Mustard greens Mustard spinach Rape greens Turnip greens	Alternaria leaf blight ( <i>Alternaria</i> spp.)  Suppression: Cercospora leaf spot ( <i>Cercospora brassicola</i> )	5.5-7 (0.17-0.22 lbs ai/A)	Begin applications prior to or at the onset of disease and repeat applications on a 7-10 day interval if conditions remain favorable for disease development.  Resistance Management: After 2 applications of NUP-09092A, alternate with another fungicide with a different mode of action for 2 applications.

Application Instructions: Application may be made by hand held, mechanical, or chemigation. Good coverage is essential for good disease control. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.

**Specific Use Restrictions**

- Apply by hand held, mechanical, or chemigation equipment only.
- Do not use roots of treated turnips for food or feed. Only turnip varieties harvested for their leaves may be treated.
- Do not apply more than 28 fl. oz./A of NUP-09092A (0.9 lb. of fludioxonil/A) per year.
- Do not apply within 7 days of harvest (7 day PHI).

Crop	Disease	Rate fl oz/Acre	Notes
<b>Cucurbits (Crop Group 9)*</b>  Cantaloupe Cucumber  Honeydew  Muskmelon  Watermelon Pumpkin Squash Zucchini  Including cultivars and/or hybrids of these	Alternaria leaf blight (Alternaria spp.)  Alternaria Leaf Spot [A. alternate]  Gummy Stem blight [Didymella bryoniae]  Powdery Mildew [Sphaerotheca fuliginea, Erysiphe cichoracearum]	5.5-7 (0.17-0.22 lbs ai/A)	Begin applications prior to or at the onset of disease and repeat applications on a 7- 10 day interval if conditions remain favorable for disease development.  Resistance Management: After 2 applications of NUP-09092A, alternate with another fungicide with a different mode of action for 2 applications.
*Additional List of Cucurbits: Cantaloupe; Chayote; Chinese waxgourd; Cucumber; Gourds; Honeydew; Momordica spp. (Bitter melon, Balsam apple); Muskmelon; Pumpkin; Squash; Watermelon; Zucchini			
Application Instructions: Application may be made by hand held, mechanical, or chemigation. Good coverage is essential for good disease control. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy			
Specific Use Restrictions: • Apply by hand held, mechanical, or chemigation equipment only. • Do not apply more than 28 fl. oz./A of NUP-09092A (0.9 lb. of fludioxonil/A) per year. • May be applied up to 1 day before harvest (1 day PHI).			

Crop	Disease	Rate fl oz/Acre	Notes
<b>Tomatoes and Fruiting Vegetable Crop Group 8-10*</b>  Eggplant Groundcherry Pepino Pepper (bell, chili, cooking, pimento, sweet) Tomatillo Tomato	Early Blight (Alternaria solani)  Gray mold (Botrytis cinerea)  Powdery Mildew [Leveillula taurica]	5.5-7 (0.17-0.22 lbs ai/A)	Begin applications prior to or at the onset of disease and repeat applications on a 7- 10 day interval if conditions remain favorable for disease development.  Resistance Management: After 2 applications of NUP-09092A, alternate with another fungicide with a different mode of action for 2 applications.
<p>*Complete List of Fruiting Vegetable Crop Group 8-10: African eggplant; Bush tomato; Cocona; Currant tomato; Eggplant; Garden huckleberry; Goji berry; Groundcherry; Martynia; Naranjilla; Okra; Pea eggplant; Pepino; Pepper, bell; Pepper, nonbell; Roselle; Scarlet eggplant; Sunberry; Tomatillos; Tomato; Tree tomato and cultivars and/or hybrids of these.</p>			
<p>Application Instructions: Application may be made by hand held, mechanical, or chemigation. Good coverage is essential for good disease control. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.</p>			
<p>Specific Use Restrictions:</p> <ul style="list-style-type: none"> <li>• Apply by hand held, mechanical, or chemigation equipment only.</li> <li>• Do not apply more than 28 fl. oz./A of NUP-09092A (0.9 lb. of fludioxonil/A) per year.</li> <li>• May be applied on the day of harvest (0 day PHI).</li> <li>• Do not apply more than a maximum total of 4 applications [hand held, mechanical, plus chemigation] per year.</li> </ul>			

Crop	Disease	Rate fl oz/Acre	Notes
<b>Herbs</b> (Dried and fresh) Angelica Balm Basil Borage Burnet Chamomile Catnip Chervil, dried leaves Chive Clary Coriander, leaves (cilantro) Costmary Cilantro, leaves Curry, leaves Dillweed Horehound Hyssop Lavender Lemongrass Lovage, leaves Marigold Marjoram Nasturtium Parsley, dried leaves Pennyroyal Rosemary Rue Sage Savory, summer and winter Sweet bay Tansy Tarragon Thyme Wintergreen Woodruff Wormwood	Alternaria leaf spot (Alternaria spp.)  Botrytis leaf blight (Botrytis spp.)  Fusarium blight (Fusarium spp.)	5.5-7 (0.17-0.22 lbs ai/A)	Begin applications prior to or at the onset of disease and repeat applications on a 7-10 day interval if conditions remain favorable for disease development. Apply in a minimum spray volume of 30 gals./A to obtain thorough coverage.  Resistance Management: After 2 applications of NUP-09092A, alternate with another fungicide with a different mode of action for 2 applications.

Application Instructions: Application may be made by hand held, mechanical, or chemigation. Good coverage is essential for good disease control. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.

**Specific Use Restrictions:**

- Apply by hand held, mechanical, or chemigation equipment only.
- Do not apply more than 28 fl. oz./A of NUP-09092A (0.9 lb. of fludioxonil/A) per year.
- Do not apply within 7 days of harvest (7 day PHI).



Crop	Disease	Rate fl oz/Acre	Notes
<p><b>Leafy Greens Subgroup 4A (except Brassica) and Leaf Petioles Subgroup 4B</b></p> <p>(Including cultivars and/or hybrids of these)</p> <p>Amaranth Arugula Cardoon Celery Celtuce Chervil Chrysanthemum, edible Corn salad Cress Dandelion Dock Endive (escarole) Fennel Lettuce, head and leaf Orach Parsley Purslane Radicchio Rhubarb Spinach Swiss Chard</p>	<p>Alternaria leaf spot (Alternaria spp.)</p> <p>Septoria leaf spot (Septorialactuceae)</p> <p>Gray mold (Botrytis cinerea)</p> <p>Sclerotinia rot (Sclerotinia spp.)</p> <p>Basal rot (Phoma exigua)</p> <p>Suppression: Powdery Mildew: (Erysiphe cichoracearum)</p>	<p>5.5-7 (0.17-0.22 lbs ai/A)</p>	<p>Begin applications prior to or at the onset of disease and repeat applications on a 7- 10 day interval if conditions remain favorable for disease development.</p> <p>For control of Sclerotinia, make the first application at thinning and again two weeks later.</p> <p>Resistance Management: After 2 applications of NUP-09092A, alternate with another fungicide with a different mode of action for 2 applications.</p>
<p>Specific Use Restrictions:</p> <ul style="list-style-type: none"> <li>• Apply by hand held, mechanical, or chemigation equipment only.</li> <li>• Do not apply more than 28 fl. oz./A of NUP-09092A (0.9 lb. of fludioxonil/A) per year.</li> <li>• May be applied on the day of harvest (0 day PHI).</li> </ul>			

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a cool place. **DO NOT** store in direct sunlight. Protect from freezing temperatures.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER HANDLING:

**[Note to Reviewer:** The following statement will be included on all Final Printed Labels bearing multiple Container Disposal (Container Handling) statements] **“NOTE:** This product is available in multiple containers. Refer to the Net Contents section of this products labeling for the applicable “Nonrefillable” or “Refillable” designation. Follow the container disposal [handling] instructions below that apply to your container type / size.”

#### **[Nonrefillable Containers 5 Gallons or Less]**

**Nonrefillable container. DO NOT** reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

#### **[Nonrefillable containers larger than 5 gallons]**

**Nonrefillable container. DO NOT** reuse or refill this container. Offer for recycling if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

**Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

### **WARRANTY DISCLAIMER**

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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**If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.**

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