

62719-432

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Raymond S. Brinkmeyer, Ph.D.  
Regulatory Leader  
Dow AgroSciences, LLC  
9330 Zionsville Road  
Indianapolis, IN 46268-1054

AUG 24 2009

Dear Dr. Brinkmeyer:

SUBJECT: Systhane 40WP  
EPA Registration Number 62719-432  
Your submission dated April 3, 2009  
Signal word change  
OPPIN Decision Number 408349

The amendment referred to above, submitted in connection with registration under section (3) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) is acceptable provided you make the following changes.

**Page 1 and page 6 – Precautionary Statements:**

- Reorder the precautionary statements to read as follows: Harmful if swallowed. Causes Moderate Eye Irritation. Harmful if Absorbed Through Skin. Avoid contact with skin eyes or clothing.
- Remove the vertical space above the sentence beginning "Avoid contact with . . ."
- Change the second sentence from: "Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco." to: "Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, tobacco or using the toilet."

**Page 1 and page 6 – First Aid Statements:**

Move the entire First Aid section so that it goes between the end of the Precautionary Statements and the beginning of the Personal Protective Equipment section:

**Page 1 and page 6 – User Safety Requirements:**

- Place the text "Follow manufacturer's instructions . . . separately from other laundry" into a box and title the box "User Safety Requirements."
- Change the sentence: "If no such instructions for washables, use detergent and

hot water.” to: “If no such instructions for washables exist, use detergent and hot water.”

**Page 1 and page 6 – Engineering Controls:**

Move the “Engineering Controls” section so that it follows the “User Safety Recommendations” box.

**Page 15 – Warranty Disclaimer:**

Change the sentence: “Dow Agrosciences makes no other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty.” to: “To the extent permitted by law, Dow Agrosciences makes no other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty.”

**Page 16 – Inherent Risks of Use:**

Change the sentence: “All such risks shall be assumed by buyer.” to: “To the extent permitted by law, all such risks shall be assumed by buyer.”

**Page 16 – Limitation of Remedies:**

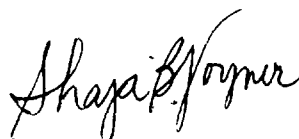
- Change the sentence: “Dow AgroSciences shall not be liable....” to: To the extent permitted by law, Dow AgroSciences shall not be liable . . .”.

In the future, please format label text so that when tables extend from one page to the next the table headings appear on both pages.

You must submit one (1) copy of the final printed label before you release the product for shipment. Products shipped after 12 months from the date of this letter or the next printing of the label whichever occurs first, must bear the new revised label.

A stamped copy of the label is enclosed for your records. If you have any questions, please contact Lisa Jones of my team at (703) 308-9424 or at [jones.lisa@epa.gov](mailto:jones.lisa@epa.gov).

Sincerely yours,



Shaja B. Joyner  
Product Manager (20)  
Fungicide Branch  
Registration Division (7505P)

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Enclosure: Stamped I label  
Acute Toxicity review dated July 29, 2009

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(Base label):

# Systhane<sup>®</sup> WSP

Specialty Fungicide

Not for Use in Nassau or Suffolk Counties, New York.

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:**

**AUG 24 2009**

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.**

<b>Group</b>	<b>3</b>	<b>FUNGICIDE</b>
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62719-432

Active Ingredient:

- myclobutanil: a-butyl-a-(chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile ..... 40%
- Other Ingredients ..... 60%
- Total ..... 100%

**Keep Out of Reach of Children**

## CAUTION

### Precautionary Statements

#### Hazards to Humans and Domestic Animals

**Causes Moderate Eye Irritation • Harmful If Swallowed Or Absorbed Through Skin**

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

#### Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

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

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

#### Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft 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.

#### User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

#### First Aid

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

**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have 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 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

### Environmental Hazards

Do not apply directly to water or 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 washwaters or rinsate. Do not apply when weather conditions favor drift or runoff from areas treated.

### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

#### (Storage and Disposal for rigid containers 5 gal or less)

##### Storage and Disposal

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

**Pesticide Storage:** Store in a cool, dry area above freezing. The water soluble pouch may become brittle at storage temperatures below 32°F, but the fungicide is not affected. Do not remove the water-soluble pouches from the container except for immediate use.

**Pesticide Disposal:** Wastes resulting in the use of this product must be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

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 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. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank. 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, or by other procedures allowed by state and local authorities. Dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

#### (Storage and Disposal for nonrigid containers any size)

##### Storage and Disposal

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

**Pesticide Storage:** Store in a cool, dry area above freezing. The water soluble pouch may become brittle at storage temperatures below 32°F, but the fungicide is not affected. Do not remove the water-soluble pouches from the container except for immediate use.

**Pesticide Disposal:** Wastes resulting in the use of this product must be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of in a sanitary landfill, or

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by incineration, or by other procedures allowed by state and local authorities. Dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

**(Storage and Disposal for refillable rigid containers greater than 5 gal)**

**Storage and Disposal**

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

**Pesticide Storage:** Store in a cool, dry area above freezing. The water soluble pouch may become brittle at storage temperatures below 32°F, but the fungicide is not affected. Do not remove the water-soluble pouches from the container except for immediate use.

**Pesticide Disposal:** Wastes resulting in the use of this product must be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities. Dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

**(Storage and Disposal for nonrefillable rigid containers larger than 5 gal)**

**Storage and Disposal**

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

**Pesticide Storage:** Store in a cool, dry area above freezing. The water soluble pouch may become brittle at storage temperatures below 32°F, but the fungicide is not affected. Do not remove the water-soluble pouches from the container except for immediate use.

**Pesticide Disposal:** Wastes resulting in the use of this product must be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

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. **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 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, or by other procedures allowed by state and local authorities. Dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

Refer to label booklet for Directions for Use.

**Notice:** Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

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Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-432

EPA Est. \_\_\_\_\_

®Trademark of Dow AgroSciences LLC

**Produced for  
Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268**

**Net Weight \_\_\_\_\_**

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(Label booklet cover):

# Systhane<sup>®</sup> WSP

## Specialty Fungicide

Not for Use in Nassau or Suffolk Counties, New York.

<b>Group</b>	<b>3</b>	<b>FUNGICIDE</b>
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**Active Ingredient:**

myclobutanil: a-butyl-a-(chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile .....	40%
Other Ingredients .....	60%
Total .....	100%

**Keep Out of Reach of Children**

### CAUTION

**Agricultural Use Requirements**  
 Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

**Refer to inside of label booklet for additional precautionary information including Directions for Use.**

**Notice:** Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-432

EPA Est. \_\_\_\_\_

®Trademark of Dow AgroSciences LLC

**Produced for  
Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268**

**Net Weight** \_\_\_\_\_



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(Page 1 through end):

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**Precautionary Statements**

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**Hazards to Humans and Domestic Animals****CAUTION****Causes Moderate Eye Irritation • Harmful If Swallowed Or Absorbed Through Skin**

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

**Personal Protective Equipment (PPE)**

Applicators and other handlers must wear:

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

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

**Engineering Controls**

When handlers use closed systems, enclosed cabs, or aircraft 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.

**User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

**First Aid**

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

**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have 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 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

**Environmental Hazards**

Do not apply directly to water or 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 washwaters or rinsate. Do not apply when weather conditions favor drift or runoff from areas treated.

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### Directions for Use

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It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

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 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 24 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 made from 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 treated area until sprays have dried.

#### Storage and Disposal

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

**Pesticide Storage:** Store in a cool, dry area above freezing. The water soluble pouch may become brittle at storage temperatures below 32°F but the fungicide is not affected. Do not remove the water soluble pouches from the container except for immediate use

**Pesticide Disposal:** Wastes resulting in the use of this product must be disposed of on site or at an approved waste disposal facility.

#### Nonrefillable rigid containers 5 gallons or less:

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

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 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. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank. 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, or by other procedures allowed by state and local authorities. Dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

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**Nonrefillable nonrigid containers:**

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities. Dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

**Refillable rigid containers larger than 5 gal:**

**Container Handling:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities. Dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

**Nonrefillable rigid containers larger than 5 gal:**

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

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. **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 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, or by other procedures allowed by state and local authorities. Dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

**General Information**

Sythane<sup>®</sup> WSP specialty fungicide is a systemic, protectant and curative fungicide for the control of specific diseases mentioned on this label. Optimum disease control is achieved when this product is applied in a regularly scheduled preventative program.

**General Use Precautions****Fungicide Resistance Management**

Sythane WSP belongs to the sterol demethylation inhibitor (DMI) class of fungicides and is classified as a Group 3 Fungicide by EPA. Since certain fungi can develop resistance to this class of products, the use of Sythane WSP should be part of a resistance management strategy that includes alternation and/or tank mixing with fungicides of different modes of action. Consult your local or state agricultural authorities for resistance management strategies that are appropriate for your disease management program.

**Handling Precautions for Water Soluble Packets:** Sythane WSP is packaged in water soluble pouches. Do not remove water soluble packet from the overpack except for immediate use. Do not allow water soluble pouches to come into contact with water prior to use. Do not handle water soluble pouches with wet hands or wet gloves. Do not open water soluble packets. Do not remove packets from

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overwrap except to add the intact packet directly into the spray tank. Do not split packets. Carefully reseal package containing unopened water soluble packets and protect package from moisture.

### Mixing Directions

Determine the number of acres to be treated, the label use rate and the gallons to be applied per acre. Prepare only the amount of spray solution required to treat the measured acreage. Careful calibration of spray equipment is recommended prior to use.

Be sure sprayer is clean and not contaminated with other materials prior to use. Fill the spray tank with 1/4 to 1/2 of the total amount of water required for the load. Start agitation and maintain agitation throughout mixing and application. Add the required number of unopened pouches (as determined by the dosage recommendations) directly into the spray tank. Water soluble packets will float on the surface until the water soluble film dissolves and releases the product. Handling packets with hands should be minimized. Always place Systhane WSP into solution prior to adding co-applied agricultural chemicals registered for use on specific crop or crops being treated. Complete filling the tank. Before spraying, make sure packets have completely disintegrated and product is thoroughly and uniformly mixed. Depending upon the water temperature and degree of agitation, the pouches and product should dissolve completely within approximately 10 minutes from the time they were added to the water.

### Compatibility

Systhane WSP is compatible with most commonly used fungicides, insecticides, growth regulators, micronutrients and spray adjuvants. When preparing tank mixes, spray compatibility charts or State Cooperative Extension Service Specialists should be consulted prior to use. When an adjuvant is to be used with this product, Dow AgroSciences recommends the use of an appropriate Chemical Producers and Distributors Association certified adjuvant.

**Note:** Systhane WSP is compatible with boron and spray oils. However, the water soluble pouches must be completely dissolved before adding spray oils or products containing boron to spray mixtures.

### Application Guidelines

Carefully read, understand and follow label use rates and restrictions. Under low disease conditions, minimum label use rates per application can be used. Maximum label rates and shortened spray schedules are recommended for severe or threatening disease conditions.

### Ground Application

Thorough coverage sprays generally result in optimum disease control. Application equipment must be properly calibrated and provide a uniform spray coverage throughout the plant canopy.

### Handgun or Pressurized Sprayers

For best results when applying this product on a protectant schedule, ensure thorough coverage of all plant parts.

### Chemigation Application

Systhane WSP must be applied on a regular protectant fungicide schedule, **not an irrigation schedule**. If irrigation cycles are less frequent than the application intervals for Systhane WSP, ground or handgun applications must supplement chemigation applications to achieve adequate disease control.

### Special Use Precautions for Sprinkler Irrigation:

- Apply this product only through solid set or hand move sprinkler irrigation systems. Do not apply this product through any other type of irrigation system.
- Crop injury, lack of fungicidal effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. Greatest efficacy is achieved when the application of treated water does not exceed 1/4 inch per acre per application.

- If you have questions about calibration, you should contact State Extension Service 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.

Before applying Systhane WSP through sprinkler irrigation equipment, the chemigation system must meet the following specifications:

- Public water system means a system for the provision to the public of piped water for human consumption if such system that 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), backflow preventer 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 flow outlet end of the pipe fill and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- Systems not connected to a public water supply 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 back flow.
- 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, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 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.

**Specific Instructions for Solid-Set and Hand Move Irrigation Equipment:**

- Determine area covered by sprinkler.
- Fill injector solution tank with water and adjust flow rate to use the contents over a 10- to 30-minute interval.
- Determine the amount of Systhane WSP required for treatment area.
- Add the required amount of Systhane WSP into the same quantity of water used to calibrate the injection equipment.
- Maintain constant solution tank agitation during the injection period.
- Operate system at normal pressures recommended by the manufacturer of the injection equipment and used for the time interval established during calibration.
- Inject Systhane WSP at the end of an irrigation cycle or as a separate application to maximize foliar absorption and retention.
- Stop injection equipment after treatment is completed. Continue to operate the system until the solution has cleared the last sprinkler head.

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## Uses

### Ornamentals

Systhane WSP is a locally systematic fungicide having protectant and curative properties that will translocate to new growth. For best control of labeled diseases, achieve thorough coverage of all plant parts on a protectant application schedule. For dilute application sprays applied to ornamentals plants in greenhouse or field grown plantings, apply Systhane WSP at the rate of 2 oz (1 pouch) per 50 gallons of spray volume on a 10- to 14-day protectant schedule unless otherwise directed.

For concentrate sprays (<100 gallons of spray volume per acre), apply 4 oz (2 pouches) per acre on a 10- to 14-day protectant schedule.

The addition of a non-phytotoxic spray adjuvant will improve spray coverage and fungicidal performance. Treated plants should be maintained in a vigorous growing condition. Plants under nutritional or water stress will not respond as well to treatment as well-maintained plants. Overdosage of Systhane WSP can result in observable foliar greening, thickened leaves, and/or shortened internodes. If this condition is observed, reduce the fungicide use rate but do not extend the application schedule.

### Crop Tolerance

Plant tolerances are acceptable in the specific plants listed on this label. It is not possible to evaluate all ornamental plant species or varieties for tolerance to Systhane WSP. The user should test for possible phytotoxic responses by treating a limited number of plants, at specified use rates, prior to initiating large scale use.

The effects of spraying Systhane WSP in combination with plant growth regulators are not fully understood at this time. If the use of a plant growth regulator is planned in an area being treated, the user should test for possible enhanced growth regulatory effects by treating a small number of plants, at the specified use rates of all products, prior to initiating large scale use. Since the effectiveness of such products depends not just upon plant species or cultivar but also weather and seasonable differences (e.g., daylight hours), it is recommended that tests be repeated on previously tested varieties as environmental factors change and observations for growth regulator responses be made at regular intervals.

### Specific Use Directions for Chrysanthemum

**Foliar Sprays:** Best control is achieved by thorough coverage sprays, applied to runoff on a protectant application schedule. Apply Systhane WSP at a rate of 2 oz per 50 gallons of spray mixture. Do not apply more than 6 oz of Systhane WSP per acre per application or more than 5 lb per acre per year. Apply on a 10- to 14-day protectant schedule (not to exceed 21 days).

**Prestick Dip Treatment:** Chrysanthemum cuttings may be treated by a dip procedure prior to planting. Prepare a dip suspension at a concentration equivalent to 2 oz of Systhane WSP per 50 gallons of water. Cuttings must be fully submerged in the dip suspension until wet throughout. Do not submerge longer than 2 minutes. If cuttings are dipped, this procedure will represent the first spray under the quarantine program. Dispose of used dip suspension if it becomes contaminated with soil, plant debris or other foreign matter. Dispose of used dip suspension by spraying it onto registered crops (but not onto previously dipped cuttings) after filtering, or in a manner consistent with local, state, and federal guidelines.

**Note:** All infected plant material must be destroyed if your state is under quarantine directive.

### Specific Use Restrictions:

- Do not apply more than 6 oz of Systhane WSP (2.4 oz myclobutanil) per acre per application.
- Do not apply more than 5 lb of Systhane WSP (2 lb myclobutanil) per acre per year.
- Do not use treated plant materials for food or feed.

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Crops	Diseases	Use Directions	Restrictions
abelia	cercospora leaf spot		
acalypha (copper-leaf)	powdery mildew		
achillea (yarrow)	powdery mildew rust		
African violet	powdery mildew		
ageratum	powdery mildew		
alder	rust		
almond, flowering	blossom blight ( <i>Monilinia</i> spp.)	Apply at prebloom, 50% bloom and at petal fall	
amelanchier (juneberry, shadbush)	fabraea leaf spot powdery mildew rust		
amorpha (false indigo)	cercospora leaf spot powdery mildew rust		
anemone	rust		
angelica	cercospora leaf spot rust		
ash	rust		
aster	powdery mildew rust		
Australian pine	diplodia tip blight		
azalea	petal blight ( <i>Ovulinia</i> spp.) powdery mildew	Begin applications when flowers start to exhibit color.	
barberry	powdery mildew rust		May cause temporary damage to crimson pigmy and other atropurposis varieties.
begonia	powdery mildew		
bellflower	cercospora leaf spot powdery mildew rust		
birch	rust		
bittersweet	powdery mildew		
buckeye			
buttonbush	cercospora leaf spot powdery mildew rust		
calendula	cercospora leaf spot		
California poppy	powdery mildew		
canna lilly	rust		
carnation	powdery mildew rust		
catalpa	cercospora leaf spot powdery mildew		
cherry, flowering	leaf spot powdery mildew		
chestnut, horse	powdery mildew		
China aster	rust		

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chokeberry	rust twig and fruit blight		Fruit may not be used for food or feed
Christmas trees	rust		
chrysanthemum	ascochyta blight rust white rust		
columbine	rust		
cornflower			
cosmos	powdery mildew		
cottonwood			
crabapple, flowering	powdery mildew rust scab		
crepe-myrtle	powdery mildew		
daffodil	rust		
dahlia	powdery mildew		
daylilly	rust		
delphinium	powdery mildew rust		
dogwood	anthracnose powdery mildew septoria leafspot		
Douglas fir (nursery)	needle rust	Apply 6 to 10 oz per acre starting in early spring. Reapply at 2- to 3-week intervals until the threat of infection has passed. Spray adjuvants must be added to spray solutions to obtain good spray coverage and disease control.	
dianthus	rust		
elm	powdery mildew		
euonymus			
fern	rhizoctonia aerial blight		
fleabane	cercospora leaf spot powdery mildew rust		
four o'clock	rust		
fuchsia			
gaillardia	powdery mildew		
gardenia	rust		
geranium			
gerbera daisy	powdery mildew		
gourd, ornamental			
grape leaf ivy			
hackberry	cercospora leaf spot powdery mildew		
hawthorn	fabraea leaf spot powdery mildew rust scab		



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hibiscus	powdery mildew		
holly	powdery mildew		
hollyhock	powdery mildew rust		
honeysuckle	cercospora leaf spot		
hydrangea	powdery mildew		
iris	didymellina leaf spot rust	Apply 4 oz per 50 gallons of spray solution.	
juniper	rust		
leyland cypress	cercospora leaf spot		
leucothoe	cercospora leaf spot		
lilac	powdery mildew		
loblolly pine (nursery)	fusiform rust	Refer to Douglas fir	
locust	powdery mildew		
maple			Treated trees may not be for syrup production. Do not apply to abutilon (flowering maple).
marigold	cercospora leaf spot rust		
mock-orange	powdery mildew rust		
moonflower	rust		
mountain laurel	cercospora leaf spot ovulinia petal blight powdery mildew	Refer to azalea	
nephthytis	cephalosporium leaf spot		
ninebark	rust		
oak	powdery mildew		
pansy	powdery mildew rust		
pear, flowering	powdery mildew rust scab		
petunia	powdery mildew rust		
phlox	cercospora leaf spot powdery mildew rust		
photinia	entomosporium leaf spot powdery mildew rust		
poinsettia	poinsettia scab powdery mildew		
poplar	rust		
potentilla			
privet	cercospora leaf spot powdery mildew		
pyracantha (firethorn)	fusicladium scab		

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quince, flowering	blossom and twig blight cercospora leaf spot fabraea leaf spot rust		
rhododendron	cercospora leaf spot ovulinia petal blight powdery mildew	Refer to azalea	
rose	black spot powdery mildew rust	Apply on a 7- to 10-day protectant schedule. In areas where black spot is not a problem, spray intervals may be increased to a maximum of 14 days.	
Russian olive	cercospora leaf spot rust		
salvia	powdery mildew rust		
sedum	powdery mildew		
slash pine (nursery)	fusiform rust	Refer to Douglas fir	
smoke-tree (cotinus)	cercospora leaf spot rust		
snapdragon	powdery mildew rust		
spirea	powdery mildew		
sunflower	cercospora leaf spot powdery mildew rust		Seeds from treated plants may not be used for food or feed.
sycamore	powdery mildew		
trumpet-creeper	cercospora leaf blight powdery mildew		
viburnum	powdery mildew rust		
walnut	powdery mildew		Nuts from treated trees may not be used for food purposes.
willow			
zinnia	cercospora leaf spot powdery mildew		

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### Inherent Risks of Use

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**Limitation of Remedies**

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