

**SPECIMEN LABEL**

**Agri Star**<sup>®</sup>  
By Albaugh Inc.

# SONOMA<sup>™</sup>

# 40WSP

## Fungicide

Manufactured for:

**ALBAUGH, INC.**

Ankeny, Iowa 50021

**FOR CHEMICAL SPILL, LEAK,  
FIRE, OR EXPOSURE, CALL  
CHEMTREC (800) 424-9300**

**ACTIVE INGREDIENT:**

Myclobutanil: a-butyl-a-(4-chlorophenyl)-  
1H-1,2,4-triazole-1-propanenitrile ..... 40%

**OTHER INGREDIENTS:** ..... 60%

**TOTAL:** ..... 100%

EPA Reg. No. 42750-141

EPA Est. No. 65387-AR-002

## **KEEP OUT OF REACH OF CHILDREN WARNING – AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

### **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.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further 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 CHEMTREC toll free at 1-800-424-9300 day or night, for emergency treatment information.

**See inside booklet for additional PRECAUTIONARY STATEMENTS.**

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

Causes substantial but temporary eye injury. Harmful if inhaled, swallowed or absorbed through skin. Do not get in eyes or on clothing. Wear goggles, face shield, or safety glasses. 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:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves made of any waterproof material
3. Shoes plus socks
4. Goggles, face shield, or safety glasses

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

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:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove PPE immediately after handling this product.
3. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## **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. Do not apply when weather conditions favor drift or runoff from areas treated.

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

## **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 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.

*(continued)*

### **AGRICULTURAL USE REQUIREMENTS (cont.)**

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:

1. Coveralls
2. Chemical-resistant gloves made of any waterproof material
3. Shoes plus socks
4. Goggles, face shield, or safety glasses

## **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 may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Completely empty container into application equipment. 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.

**Steps to be Taken in Case Material is Released or Spilled:** Wear eye protection. Wear protective clothing. Spray water on powder and dust. Scoop or shovel solid material into a suitable container for recovery or disposal. Keep dust to a minimum. Flush contaminated area with a large amount of water to a chemical or sanitary sewer containing a settling pit. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Thoroughly launder clothing before reuse. Refer to Precautionary Statements.

## **GENERAL USE INFORMATION**

Read all Directions for Use carefully before applying.

SONOMA™ 40WSP fungicide is a systemic, protectant and curative fungicide recommended for the control of specific diseases mentioned on this label. Optimum disease control is achieved when the fungicide is applied in a regularly scheduled preventative spray program.

### **Handling**

SONOMA™ 40WSP is packaged in water-soluble pouches. Do not allow pouches to become wet prior to adding to the spray tank. Do not handle the pouches with wet hands or wet gloves. Always reseal overwrap bag to protect remaining unused pouches. Do not remove water-soluble pouches from overwrap except to add directly to the spray tank.

### **Use Rate Determination**

Carefully read, understand and follow label use rates and restrictions. Under low disease conditions, minimum label use rates per application can be used while maximum label rates and shortened spray schedules are recommended for severe or threatening disease conditions. For proper application, determine the number of acres to be treated, the recommended label use rate and the gallonage 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.

### **Rotation Crops**

Crops on this label may be planted immediately after the last treatment. Do not plant other crops within 30 days after the last application.

### **Application**

#### **Ground:**

Thorough coverage sprays generally result in optimum disease control. To achieve good coverage use proper spray pressure, gallonage per acre, nozzles, nozzle spacing and tractor speed. Consult spray nozzle and accessory catalogues for specific information on proper equipment calibration.

**Aerial:**

Apply in a minimum of 10 gallons of water per acre. Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur.

## CHEMIGATION USE DIRECTIONS

**Sprinkler Irrigation**

SONOMA™ 40WSP must be applied on a regular protectant fungicide schedule, not an irrigation schedule. If irrigation cycles are less frequent than the recommended application intervals for SONOMA™ 40WSP, ground or aerial applications must supplement chemigation applications to achieve adequate disease control.

- Apply SONOMA™ 40WSP only through sprinkler irrigation systems including center-pivot, lateral move, end tow, side (wheel) roll, traveler, solid set, or hand move irrigation systems. Do not apply product through any other type of irrigation system.
- Lack of fungicidal effectiveness or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialist, 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 system 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 SONOMA™ 40WSP 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 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 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.
- Systems not connected to a public water supply must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located in 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 that 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.

Center-pivot, Lateral Move, End Tow, and Traveler Irrigation Equipment (use only with electric or oil hydraulic drive systems, which provide a uniform water distribution):

- Determine size of area to be treated.
- Determine the time required to apply no more than 1/4 inch water (6,750 gallons water per acre) over the area to be treated when the system and injection equipment are operated at normal pressures recommended by the equipment manufacturer. Run system at 80 to 95% of manufacturer's rated capacity.
- Using only water, determine the injection pump output when operated at normal line pressure.
- Determine the amount of SONOMA™ 40WSP required for treatment area.
- Add the required amount of SONOMA™ 40WSP and sufficient water to meet the injection time requirements of the solution tank.
- Maintain constant solution tank agitation during the injection period.
- Stop injection equipment after treatment is completed. Continue to operate the system until SONOMA™ 40WSP solution has cleared the sprinkler head.

Solid-set, Side (wheel) Roll, and Hand Move Irrigation Equipment:

- Determine acreage covered by sprinkler.
- Fill injector solution tank with water and adjust flow rate to use contents over a 10-to-30-minute interval.
- Determine the amount of SONOMA™ 40WSP required for treatment area.
- Add the required amount of SONOMA™ 40WSP 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 SONOMA™ 40WSP at the end of the irrigation cycle or as a separate application to maximize foliar fungicide retention.
- Stop injection equipment after treatment is completed. Continue to operate the system until SONOMA™ 40WSP solution has cleared the last sprinkler head.

### **Mixing**

Always place SONOMA™ 40WSP into solution prior to adding co-applied agricultural chemicals registered for use on specific crop or crops being treated. Add the required number of unopened pouches as determined by the dosage recommendations into the spray tank with agitation. Depending on the water temperature and the degree of agitation, the pouches should dissolve completely within approximately ten minutes from the time they are added to the water.

### **Compatibility**

SONOMA™ 40WSP is compatible with most commonly used agricultural fungicides, insecticides, growth regulators, micronutrients and spray adjuvants. When preparing tank mixes, user should consult spray compatibility charts or State Cooperative Extension Service Specialists prior to actual use.

**Note:** SONOMA™ 40WSP 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.

## GENERAL USE DIRECTIONS FOR TREE FRUITS

Best control of labeled diseases is achieved when SONOMA™ 40WSP is applied on a 7-to-10-day application schedule.

SONOMA™ 40WSP is a systemic fungicide and does not redistribute with rainfall after application. Application equipment spray nozzles should be adjusted to apply a uniform spray throughout the entire tree canopy.

The following use recommendations are to be used as guidance in determining the amount of SONOMA™ 40WSP to be used per 100 gallons spray or per acre. Refer to specific tree fruit use directions to determine actual use rates for the control of labeled diseases.

### Determination of Use Rates on an Acre Basis

The amount of SONOMA™ 40WSP required per acre varies with tree size and the volume of fruit and foliage to be treated. The following summary table may be used as additional guidance for the determination of appropriate per acre use rates for SONOMA™ 40WSP:

TREE HEIGHT (ft)	SONOMA™ 40WSP (oz/acre)	
	Apples and Mayhaws	Stone Fruits
10 (or less)	2.5 to 5.0	2.5 to 4.0
15	3.75 to 6.0	4.0 to 6.0
20 (or more)	5.0 to 10.0	6.0

**Concentrate Spray Applications:** SONOMA™ 40WSP should be used at the recommended use rate per acre in either dilute or concentrate sprays. The following formula should be used to determine the equivalent amount of product per acre in 2X, 3X, etc. spray solutions:

$$\frac{\text{Ounces SONOMA™ 40WSP per acre} \times 100}{\text{Gallons of spray applied per acre}} = \text{Ounces of SONOMA™ 40WSP per 100 gallons}$$

Example: An apple orchard consisting of apple trees 18 feet in height will require 5 ounces SONOMA™ 40WSP for adequate apple scab control. Application equipment has been calibrated to apply 80 gallons spray per acre, therefore:

$$\frac{5 \text{ ounces SONOMA™ 40WSP per acre} \times 100}{80 \text{ gallons spray applied per acre}} = 6.25 \text{ ounces per 100 gallons}$$

**Dilute, Thorough Coverage Applications:** Dilute thorough coverage applications are based on the amount of spray solution required to thoroughly wet trees until spray run-off. The following specific use directions for apples and mayhaws utilizes a 400 gallon per acre dilute basis and the specific use directions for stone fruits utilize a 250 gallon per acre dilute basis.

Thorough spray coverage is essential for good disease control. SONOMA™ 40WSP should be applied in sufficient water to insure adequate coverage.

**USE DIRECTIONS FOR ALMONDS**  
**(For Use in California, Arizona and Hawaii Only)**

DISEASES	RATE OF SONOMA™ 40WSP		USE RECOMMENDATIONS++	RESTRICTIONS
	(oz/100 gal)+	(oz/acre)		
Blossom Blight ( <i>Monilinia spp.</i> )	1.25 to 2.0 (0.5 to 0.8 oz. active)	5.0 to 8.0 (2.0 to 3.2 oz. active)	Begin applications at pink bud stage (about 5% bloom). If conditions are favorable for disease development, apply again at full bloom and at petal fall.	Do not apply within 90 days of harvest.  Do not make more than three applications or apply more than 1.5 lbs. (0.6 lb. active) SONOMA™ 40WSP fungicide per acre per season.
Shothole ( <i>Stigmina spp.</i> )				
Rust ( <i>Tranzschelia spp.</i> )			Apply 6 oz. (2.4 oz. active) per acre. Begin application approximately 8 weeks after flowering if environmental conditions are favorable for disease development. For optimum disease control, do not apply on an application schedule exceeding 21 days.	
Anthracnose ( <i>Colletotrichum spp.</i> )			The application of SONOMA™ 40WSP fungicide for control of blossom blight and shothole will suppress anthracnose.	

+Based on a standard of 400 gallons of dilute spray per acre, or the equivalent amount of product per acre.  
 ++Best disease control is achieved in thorough coverage sprays applied on a protectant schedule, which does not exceed 10 days.

### USE DIRECTIONS FOR GRAPES

DISEASES	RATE OF SONOMA™ 40WSP (OZ/ACRE)	USE RECOMMENDATIONS	RESTRICTIONS
Anthracnose ( <i>Elsinoe spp.</i> )	3 to 5 (1.2 to 2.0 oz. active)	Begin application when new shoots are 1 to 3 inches in length and continue on an application schedule, which does not exceed 14 days.	Do not apply within 14 days of harvest.  Do not apply more than 1.5 lbs. of SONOMA™ 40WSP (0.6 lb. active) per acre per year.
Black Rot ( <i>Guignardia spp.</i> )		Preventative Schedule: Begin application when new shoots are 1 to 3 inches in length and continue applications on an application schedule which does not exceed 14 days. Use higher rate under heavy disease pressure.  Post-Infection Schedule: Apply within 72 hours after the beginning of an infection period.	
Powdery Mildew ( <i>Uncinula spp.</i> )		Begin application at prebloom (12- to 18-inch shoots) and do not extend applications beyond a 21-day interval.  Use higher rate or shorter spray interval on susceptible varieties or under heavy disease pressure.	

### USE DIRECTIONS FOR PEPPERMINT AND SPEARMINT

DISEASES	RATE OF SONOMA™ 40WSP (OZ/ACRE)	USE RECOMMENDATIONS	RESTRICTIONS
Powdery Mildew ( <i>Erysiphe spp.</i> )  Rust ( <i>Puccinia spp.</i> )	4 to 5 (1.6 to 2.0 oz. active)	Begin application in early spring when plants break dormancy. Continue applications on a 14- to 21-day application schedule.	Do not apply more than 15 oz. of SONOMA™ 40WSP (0.375 lb. active) per acre per growing season.  Do not apply within 30 days of harvest.



## USE DIRECTIONS FOR APPLES AND MAYHAWES

DISEASES	RATE OF SONOMA™ 40WSP (OZ/100 GAL)+	USE RECOMMENDATIONS RESTRICTIONS	
Powdery Mildew ( <i>Podosphaera spp.</i> )	1.25 to 2.5 (0.5 to 1.0 oz. active)	Begin application at tight cluster and continue through the second cover spray. Additional sprays beyond second cover may be needed on susceptible varieties or under heavy disease pressure. Use high label rate if powdery mildew was present in previous years.	Do not apply within 14 days of harvest.  Do not apply more than 5 lbs. of SONOMA™ 40WSP (2 lbs. active) per acre per season.
Rusts ( <i>Gymnosporangium spp.</i> )	1.25 to 2.0 (0.5 to 0.8 oz. active)	Begin applications at pink stage and continue through the second cover spray.	
Scab ( <i>Venturia spp.</i> )  Prebloom	1.25 to 2.0 (0.5 to 0.8 oz. active)	Begin application at green tip or when environmental conditions become favorable for primary scab development. Apply SONOMA™ 40WSP alone or tank mixed with a protectant fungicide on a 7- to 10-day schedule.	
Bloom, Postbloom	1.25 to 2.0 (0.5 to 0.8 oz. active)	Use SONOMA™ 40WSP in a tank mixture with the recommended rate of a protectant fungicide, registered for use on apples, for improved fruit scab and summer disease control.	
Post-Infection	2.0 (0.8 oz. active)	SONOMA™ 40WSP provides 96-hour post-infection control or curative activity. Apply as soon as possible after infection period. Follow with a standard preventative spray schedule.	

+Based on dilute sprays with a 400-gallon per acre basis.

**USE DIRECTIONS FOR SMALL FRUITS**

<b>DISEASES</b>	<b>SONOMA™ 40WSP (OZ/ACRE)</b>	<b>USE RECOMMENDATIONS</b>	<b>RESTRICTIONS</b>
<b>BLACKBERRY+</b>			
Cane and Leaf Rust <i>(Kuehneola spp.)</i>  Orange Rust <i>(Arthuriomyces spp.)</i>  Powdery Mildew <i>(Sphaerotheca spp.)</i>  Yellow Rust <i>(Phragmidium spp.)</i>	1.25 to 2.5 (0.5 to 1.0 oz. active)	Applications should be initiated as early as bud break and should continue at 10- to 14-day intervals, depending on the disease(s) to be controlled.  Use the shorter spray interval under heavy disease pressure.	Applications may be made up to the day of harvest.  Do not apply more than 10 ounces of SONOMA™ 40WSP (0.25 lb. active) per acre per growing season.
<b>CURRANT</b>			
Powdery Mildew <i>(Sphaerotheca spp.)</i>	5.0 (2.0 oz. active)	Make applications at pre-bloom, full bloom and 2 weeks later.	Applications may be made up to the day of harvest.  Do not apply more than 40 ounces of SONOMA™ 40WSP (1.0 lb. active) per acre per growing season.
<b>GOOSEBERRY</b>			
Anthracnose <i>(Drepanopeziza spp.)</i>	5.0 (2.0 oz. active)	Begin applications when the first leaf has completely unfolded, then at 10- to 14-day intervals as long as environmental conditions favor continued disease development.	Applications may be made up to the day of harvest.  Do not apply more than 40 ounces of SONOMA™ 40WSP (1.0 lb. active) per acre per growing season.
Powdery Mildew <i>(Sphaerotheca spp.)</i>		Make applications at pre-bloom, full bloom and 2 weeks later.	
<b>RASPBERRY</b>			
Cane and Leaf Rust <i>(Kuehneola spp.)</i>  Leaf Spot <i>(Sphaeruiina spp.)</i>  Orange Rust <i>(Arthuriomyces spp.)</i>  Powdery Mildew <i>(Sphaerotheca spp.)</i>  Yellow Rust <i>(Phragmidium spp.)</i>	1.25 to 2.5 (0.5 to 1.0 oz. active)	Applications should be initiated as early as bud break and should continue at 10- to 14-day intervals, depending on the disease(s) to be controlled.  Use the shorter spray interval under heavy disease pressure.	Applications may be made up to the day of harvest.  Do not apply more than 10 ounces of SONOMA™ 40WSP (0.25 lb. active) per acre per growing season.

<b>USE DIRECTIONS FOR SMALL FRUITS</b>			
<b>DISEASES</b>	<b>SONOMA™ 40WSP (OZ/ACRE)</b>	<b>USE RECOMMENDATIONS</b>	<b>RESTRICTIONS</b>
<b>STRAWBERRY</b>			
Powdery Mildew <i>(Sphaerotheca spp.)</i>  Leaf Spot <i>(Mycosphaerella spp.)</i>  Leaf Blight <i>(Phomopsis spp.)</i>	2.5 to 5.0 (1.0 to 2.0 oz. active)	Begin applications when disease first appears or when conditions favor disease development. Repeat applications at 14- to 21-day intervals.	Applications may be made up to the day of harvest.  Do not apply more than 30 ounces of SONOMA™ 40WSP (0.75 lb. active) per acre per year.  Observe a 30-day plant-back interval between the last application and planting new crops at the treatment site.

+Includes use on the following members of the berries group including varieties and/or hybrids:

bingleberry	Dirksen thornless berry	olallieberry
black satin berry	Himalayaberry	Oregon evergreen berry
boysenberry	hullberry	phenomenalberry
Cherokee blackberry	Lavacaberry	rangeberry
Chesterberry	lowberry	ravenberry
Cheyenne blackberry	Lucretiaberry	rossberry
Coryberry	mammoth blackberry	Shawnee blackberry
Darrowberry	marionberry	youngberry
dewberry	Nectarberry	

**USE DIRECTIONS FOR STONE FRUIT**  
**(Applications may be made up to the day of harvest)**

**Stone Fruits – Apricots**

<b>DISEASES</b>	<b>RATE OF SONOMA™ 40WSP</b>		<b>USE RECOMMENDATIONS</b>	<b>RESTRICTIONS</b>
	<b>(oz/100 gal)+</b>	<b>(oz/acre)</b>		
Brown Rot Blossom Blight <i>(Monilinia spp.)</i>	1.25 to 2.0 (0.5 to 0.8 oz. active)	2.5 to 6.0 (1.0 to 2.4 oz. active)	Begin application at early red bud stage before infection occurs. If conditions are favorable for disease development, apply again at full bloom and petal fall.	Do not apply more than 2.75 lbs. of SONOMA™ 40WSP (1.1 lbs. active) per acre per season.
Brown Rot <i>(Monilinia spp.)</i>			Apply 6 ounces (2.4 oz. active) per acre on a 7- to 14-day schedule. Applications should be made whenever environmental conditions favor disease development during the month prior to harvest.	
Powdery Mildew <i>(Podosphaera spp.)</i>			Follow brown rot blossom blight schedule making additional applications at 10- to 14-day intervals until terminal growth ceases.	
Shothole <i>(Stigmina spp.)</i>			Follow brown rot blossom blight schedule making additional applications at 7- to 10-day intervals as long as needed.	

### Stone Fruits – Cherries

DISEASES	RATE OF SONOMA™ 40WSP		USE RECOMMENDATIONS	RESTRICTIONS
	(oz/100 gal)+	(oz/acre)		
Brown Rot Blossom Blight ( <i>Monilinia spp.</i> )	1.25 to 2.0 (0.5 to 0.8 oz. active)	2.5 to 6.0 (1.0 to 2.4 oz. active)	Begin application at early popcorn stage, before infection occurs. If conditions are favorable for disease development, apply again at full bloom and petal fall.	Do not apply more than 3.25 lbs. of SONOMA™ 40WSP (1.3 lbs. active) per acre per season.
Brown Rot ( <i>Monilinia spp.</i> )			Refer to Apricots	
Powdery Mildew ( <i>Podosphaera</i> and <i>Sphaerotheca spp.</i> )			Refer to Apricots	
Leaf Spot ( <i>Blumeriella spp.</i> )			Follow brown rot blossom blight schedule and continue applications at 7- to 10-day intervals. Make additional applications after harvest.	

### Stone Fruits – Nectarines

DISEASES	RATE OF SONOMA™ 40WSP		USE RECOMMENDATIONS	RESTRICTIONS
	(oz/100 gal)+	(oz/acre)		
Brown Rot Blossom Blight ( <i>Monilinia spp.</i> )	1.25 to 2.0 (0.5 to 0.8 oz. active)	2.5 to 6.0 (1.0 to 2.4 oz. active)	Begin application at early pink bud stage before infection occurs. If conditions are favorable for disease development, apply again at full bloom and petal fall.	Do not apply more than 3.25 lbs. of SONOMA™ 40WSP (1.3 lbs. active) per acre per season.
Brown Rot ( <i>Monilinia spp.</i> )			Refer to Apricots	
Powdery Mildew ( <i>Podosphaera</i> and <i>Sphaerotheca spp.</i> )			Refer to Apricots	Do not apply more than 3.25 lbs. of SONOMA™ 40WSP (1.3 lbs. active) per acre per season.
Shothole ( <i>Stigmina spp.</i> )			Follow brown rot blossom blight schedule making additional applications at 7- to 10-day intervals as long as needed.	

### Stone Fruits – Peaches

DISEASES	RATE OF SONOMA™ 40WSP		USE RECOMMENDATIONS	RESTRICTIONS
	(oz/100 gal)+	(oz/acre)		
Brown Rot Blossom Blight ( <i>Monilinia spp.</i> )	1.25 to 2.0 (0.5 to 0.8 oz. active)	2.5 to 6.0 (1.0 to 2.4 oz. active)	Begin application at early pink bud stage before infection occurs. If conditions are favorable for disease development, apply again at full bloom and petal fall.	Do not apply more than 3.25 lbs. of SONOMA™ 40WSP (1.3 lbs. active) per acre per season.
Brown Rot ( <i>Monilinia spp.</i> )			Refer to Apricots	
Powdery Mildew ( <i>Podosphaera spp.</i> )			Refer to Apricots	
Rust ( <i>Tranzschelia spp.</i> )			Apply 6 ounces (2.4 oz. active) per acre. Begin application approximately 8 weeks after flowering if environmental conditions are favorable for disease development. For optimum disease control, do not apply on an application schedule exceeding 21 days.	

### Stone Fruits – Plums, Prunes

DISEASES	RATE OF SONOMA™ 40WSP		USE RECOMMENDATIONS	RESTRICTIONS
	(oz/100 gal)+	(oz/acre)		
Brown Rot Blossom Blight ( <i>Monilinia spp.</i> )	1.25 to 2.0 (0.5 to 0.8 oz. active)	2.5 to 6.0 (1.0 to 2.4 oz. active)	Begin application at green tip, before infection occurs. If conditions are favorable for disease development, apply again at full bloom and petal fall.	Do not apply more than 2.75 lbs. of SONOMA™ 40WSP (1.1 lbs. active) per acre per season.
Brown Rot ( <i>Monilinia spp.</i> )			Refer to Apricots	
Rust ( <i>Tranzschelia spp.</i> )			Refer to Peaches	

+250 gallon dilute spray per acre basis.

## USE DIRECTIONS FOR VEGETABLES

DISEASES	SONOMA™ 40WSP (OZ/ACRE)	USE RECOMMENDATIONS	RESTRICTIONS
<b>ASPARAGUS</b>			
Rust ( <i>Puccinia spp.</i> )	5.0 (2.0 oz. active)	Begin applications to the developing ferns after harvest has taken place. Repeat applications on a schedule not to exceed 14 days. Apply with a spray adjuvant, such as Latron® B-1956 or Latron® CS-7.	<p>Do not apply to harvestable spears. Do not apply within 180 days of harvest in all states except California.</p> <p>When a 180-day treatment to harvest interval is used, do not make more than 6 applications of 5 oz. of (0.125 lb. active) per growing season. This is equivalent to 30 ounces product (0.75 lb. active) per acre per year.</p> <p>When a 30-day treatment to harvest interval is used, do not make more than 4 applications of 5 oz. (0.125 lb. active) or 20 oz. of product (0.5 lb. active) per acre per year.</p> <p>In California, either a 30- or 180-day treatment to harvest interval may be used.</p>
<b>CUCURBITS</b>			
Including: balsam apple, bitter melon, cantaloupe, casaba, Chinese cucumber, Chinese waxgourd, citron melon, crenshaw melon, cucumber, golden pershaw melon, edible gourd, ornamental gourd, honey balls, honeydew melon, mango melon, Persian melon, pineapple melon, pumpkin, Santa Claus melon, snake melon, summer squash, winter squash, and watermelon.			
Powdery Mildew ( <i>Erysiphe</i> and <i>Sphaerotheca</i> <i>spp.</i> )	2.5 to 5 (1.0 to 2.0 oz. active)	<p>Begin application at first sign of disease development and continue on a 7- to 10-day application schedule.</p> <p>For the control of other foliar cucurbit diseases, co-applications of registered protectant fungicides should be made according to label use directions.</p>	<p>Do not apply more than 1.5 lbs. of SONOMA™ 40WSP (0.6 lb. active) per acre per crop.</p> <p>Applications may be made up to, and including the day of harvest.</p> <p>Observe a 30-day plant-back interval between the last application and planting new crops at the treatment site.</p>

(continued)

**USE DIRECTIONS FOR VEGETABLES (cont.)**

<b>DISEASES</b>	<b>SONOMA™ 40WSP (OZ/ACRE)</b>	<b>USE RECOMMENDATIONS</b>	<b>RESTRICTIONS</b>
<b>SNAP BEANS</b>			
Rust <i>(Uromyces spp.)</i>  Pod Tip Rot <i>(Rhizoctonia spp.)</i>	4 to 5 (1.6 to 2.0 oz. active)	Begin applications when rust is first observed. For pod tip rot, begin applications when pods begin to develop. Continue applications on a 7- to 10-day schedule if conditions remain favorable for disease development.	Applications may be made up to, and including the day of harvest.  Do not apply more than 1.25 lbs. of SONOMA™ 40WSP (0.5 lb. active) per acre per crop.  Observe a 30-day plant-back interval between the last application and planting new crops at the treatment site.
<b>TOMATOES</b>			
Powdery Mildew <i>(Leveillua spp.)</i>	2.5 to 4.0 (1.0 to 1.6 oz. active)	Begin applications at the first sign of disease or when environmental conditions are favorable for disease development.  Do not exceed 21 days between application intervals.  Apply using a minimum of 20 gallons of water per acre by ground or a minimum of 10 gallons of water by air.	Do not apply more than 1.25 lbs. of SONOMA™ 40WSP (0.5 lb. active) per acre per crop.  Applications may be made up to, and including the day of harvest.  Observe a 30-day plant-back interval between the last application and planting new crops at the treatment site.



<b>USE DIRECTIONS FOR NON-FOOD USE</b>			
<b>DISEASES</b>	<b>SONOMA™ 40WSP (OZ/ACRE)</b>	<b>USE RECOMMENDATIONS</b>	<b>RESTRICTIONS</b>
<b>HYBRID POPLAR (For use in nurseries or forested areas used for wood pulp production)</b>			
Rust ( <i>Melampsora spp.</i> )	4 to 6 (1.6 to 2.4 oz. active)	Begin applications at the first sign of disease and repeat applications at 10- to 14-day intervals.	Do not apply more than 1.5 lbs. of SONOMA™ 40WSP (0.6 lb. active) per acre per year.
<b>DOUGLAS FIR (Nursery Use Only)</b>			
Needle Rust ( <i>Melampsora spp.</i> )	5 to 10 (2 to 4 oz. active)	Begin applications in early spring. Continue applications at 2- to 3-week intervals until the threat of infection is past.  A spray adjuvant such as Latron® CS-7 or Latron® B-1956 should be added to obtain good spray coverage and disease control.	Do not apply more than 1.5 lbs. of SONOMA™ 40WSP (0.6 lb. active) per acre per year.
<b>LOBLOLLY PINE (Nursery Use Only)</b>			
Fusiform Rust ( <i>Cronartium queruum</i> )	5 to 10 (2 to 4 oz. active)	Begin applications in early spring. Continue applications at 2- to 3-week intervals until the threat of infection is past. A spray adjuvant such as Latron® CS-7 or Latron® B-1956 should be added to obtain good spray coverage and disease control.	Do not apply more than 1.5 lbs. of SONOMA™ 40WSP (0.6 lb. active) per acre per year.

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