

STROBE 2L

Broad Spectrum Fungicide for control of plant diseases

ACTIVE INGREDIENT:

*IUPAC
Contains 2.04 lbs. of Azoxystrobin per gallon
Suspension Concentrate



Manufactured for:

Control Solutions, Inc. 5903 Genoa Red Bluff Pasadena, TX 77507 EPA Reg. No: 53883-393 EPA Est. No: 53883-TX-002 Net Contents: ONE GALLON



KEEP OUT OF REACH OF CHILDREN CAUTION

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.)

See additional precautionary statements and directions for use in booklet.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® International for emergency medical treatment at (866) 897-8050.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemically resistant to this product are listed below.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber
- Shoes plus socks

USER SAFETY REQUIREMENTS

Follow the 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.

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.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS

Users should:

- 1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Wash thoroughly with soap and water after handling.
- 2. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 3. 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Do not apply directly to water except as specified on this label. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Ground Water Advisory

Azoxystrobin and a degradate of azoxystrobin are known to leach through soil to ground water under certain conditions as a result of label use. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of azoxystrobin and a degradate of azoxystrobin from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or

irrigation is expected to occur within 48 hours. Notify State and/or Federal authorities and Control Solutions, Inc. immediately if you observe any adverse environmental effects due to use of this product.

PHYSICAL AND CHEMICAL HAZARDS

Do not mix or allow coming into contact with oxidizing agent. 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.

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

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), notification to workers, 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 4 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 of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber
- 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. The area being treated must be vacated by unprotected persons.

Do not treat areas while unprotected humans or domestic animals are present in the treatment areas. Because certain states may require more restrictive reentry intervals, consult your State Department of Agriculture for further information.

Do not allow entry into treatment area until area that was treated with this product is dry.

PRODUCT INFORMATION

Strobe 2L is a broad spectrum, preventative fungicide with systemic and curative properties recommended for the control of many important plant diseases. These additional benefits are due to positive effects on plant physiology. The effects may vary according to factors such as the crop, crop hybrid, or environment. **Strobe 2L** may be applied as a foliar spray in alternating spray programs or in tank mixes with other registered crop protection products. All applications must be made according to the use directions that follow.

USE RESTRICTIONS

- DO NOT spray Strobe 2L where spray drift may reach apple trees.
- DO NOT use spray equipment which has been previously used to apply **Strobe 2L** to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity to certain apple and crabapple varieties.
- DO NOT graze or feed clippings from treated turf areas to animals.
- DO NOT spray when conditions favor drift beyond area intended for application. Conditions which may contribute to drift include thermal inversion, wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size, etc. Contact your State extension agent for spray drift prevention guidelines in your area.

USE PRECAUTIONS

- Strobe 2L is extremely phytotoxic to certain apple varieties.
- AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees (and apple fruit).
- AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.
- Strobe 2L may demonstrate some phytotoxic effects when mixed with products that are formulated as ECs. These effects are enhanced if applications are made under cool, cloudy conditions and these conditions remain for several days following application. In addition, adjuvants that contain some form of silicone have also contributed to phytotoxicity.

PRODUCT USE INSTRUCTIONS

Application: Thorough coverage is necessary to provide good disease control. Make no more spray solution than is needed for application. Avoid spray overlap, as crop injury may occur.

Adjuvants: When an adjuvant is to be used with this product, the use of an adjuvant that meets the standards of the Council of Producers and Distributors of Agrotechnology (CPDA) adjuvant certification is recommended.

Efficacy: Under certain conditions conducive to extended infection periods, use another registered fungicide for additional applications if maximum amount of **Strobe 2L** has been used. If resistant isolates to Group 11 fungicides are present, efficacy can be reduced for certain diseases. The higher rates in the rate range and/or shorter spray intervals may be required under conditions of heavy infection pressure, with highly susceptible varieties, or when environmental conditions are conducive to disease.

INTEGRATED PEST (DISEASE) MANAGEMENT

Strobe 2L should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. This should include selection of varieties with disease tolerance, removal of plant

debris in which inoculum overwinters, and proper timing and placement of irrigation. Consult your local agricultural authorities for additional IPM strategies established for your area. **Strobe 2L** may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

Crop Tolerance: Plant tolerance has been found to be acceptable for all crops on the 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 the crop to ensure that a phytotoxic response will not occur as a result of application. See Product Use Precautions for apple phytotoxicity information.

RESISTANCE MANAGEMENT

Strobe 2L (azoxystrobin) is a Group 11 fungicide. The mode of action for **Strobe 2L** is the inhibition of the QoI (quinone outside) site within the electron transport system [Group 11]. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for the crop and use area. Consult your local or State agricultural authorities for resistance management strategies that are complementary to those in this label.

Resistance management strategies may include alternating and/or tank-mixing with products having different modes of action or limiting the total number of applications per season. Control Solutions, Inc. encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label.

Follow the crop specific resistance management recommendations in the directions for use.

If no resistance recommendation on number of applications is specified in the directions for use, follow the recommendations in the table below.

If planned total number of fungicide applications per crop is:	1	2	3	4	5	6	7	8	9	10	11	12
Recommended Solo Qol fungicide sprays	1	1	2	2	2	2	2	3	3	3	3	4
Recommended Qol fungicide sprays in mixture (tank-mix or formulated)	1	2	2	2	2	3	3	4	4	5	5	6

In situations requiring multiple sprays, develop season long spray programs for Group 11 (Qol) fungicides. In crops where two sequential Group 11 fungicide applications are made, they should be alternated with two or more applications of a fungicide that is not in Group 11. If more than 12 applications are made, observe the following guidelines:

- When using a Qol fungicide as a solo product, the number of applications must be no more than 1/3 (33%) of the total number of fungicide applications per season.
- For Qol mixes in programs in which tank mixes or pre mixes of Qol with mixing partners of a
 different mode of action are utilized, the number of Qol containing applications must be no
 more than 1/2 (50%) of the total number of fungicide applications per season.
- In programs in which applications of Qol are made with both solo products and mixtures, the number of Qol containing applications must be no more than 1/2 (50%) of the total number of fungicide applications per season.
- If a Group 11 fungicide is applied to the seed or soil, do not make another application with a Group 11 fungicide for at least 3 weeks.

SPRAY DRIFT MANAGEMENT

To avoid spray drift, do not apply when conditions favor drift beyond the target area. The interaction of many equipment and weather related factors determine the potential for spray drift. AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR AND THE GROWER.

ATTENTION

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

Strobe 2L is extremely phytotoxic to certain apple varieties. AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees (and apple fruit). DO NOT spray **Strobe 2L** where spray drift may reach apple trees.

DO NOT spray when conditions favor drift beyond area intended for application. Conditions which may contribute to drift include thermal inversion, wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size, etc. Contact your State extension agent for spray drift prevention guidelines in your area.

DO NOT use spray equipment which has been previously used to apply **Strobe 2L** to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity to certain apple and crabapple varieties.

Do not apply when weather conditions favor drift from treated areas to non-target aquatic habitat.

MIXING AND APPLICATION METHODS

Spray Equipment

Strobe 2L may be applied with all types of spray equipment commonly used for making ground and aerial applications. Proper adjustments and calibration of spraying equipment to give good canopy penetration and coverage is essential for good disease control.

Nozzles

- Equip sprayers with nozzles that provide accurate and uniform application.
- Nozzles should be the same size and uniformly spaced across the boom.
- Calibrate sprayer before use.
- It is suggested that screens be used to protect the pump and to prevent nozzles from clogging.
- Screens placed on the suction side of the pump should be 16-mesh or coarser.
- Do not place a screen in the recirculation line.
- Use 50-mesh or coarser screens between the pump and boom, and where required, at the nozzles.
- Check nozzle manufacturer's recommendations.

Pump

- Use a pump with capacity to:
 - 1. Maintain 35-40 psi at nozzles.
 - 2. Provide sufficient agitation in tank to keep mixture in suspension this requires recirculation of 10% of tank volume per minute.
 - 3. Use a jet agitator or liquid sparge tube for agitation.
 - 4. Do not air sparge.

For more information on spray equipment and calibration, consult sprayer manufacturers and state recommendations. For specific local directions and spray schedules, consult the current state agricultural recommendations.

Mixing Instructions

- Strobe 2L is a suspension concentrate (SC) formulation.
- Prepare no more spray mixture than is required for the immediate operation.
- Thoroughly clean spray equipment before using this product.
- Agitate the spray solution before and during application.
- Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area.

Strobe 2L Alone (No Tank Mix)

- Add 1/2 2/3 of the required amount of water to the spray or mixing tank.
- With the agitator running, add **Strobe 2L** to the tank.
- Continue agitation while adding the remainder of the water.
- Begin application of the spray solution after **Strobe 2L** has completely dispersed into the mix water.
- Maintain agitation until all of the mixture has been sprayed.

Strobe 2L + Tank Mixtures: **Strobe 2L** is usually compatible with all tank-mix partners listed on this label. To determine the physical compatibility of **Strobe 2L** with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

Strobe 2L has demonstrated some phytotoxic effects when mixed with products that are formulated as emulsifiable concentrates (EC). These effects are enhanced if applications are made under cool, cloudy conditions and these conditions remain for several days following application. In addition, adjuvants that contain some form of silicone have also contributed to phytotoxicity.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the application restrictions, limitations and directions for use and precautionary statements of each product in the tank mixture.

Mixing in the Spray Tank

- Add 1/2 to 2/3 of the required amount of water to the spray or mixing tank.
- With the agitator running, add the tank-mix partner(s) into the tank in the same order as described above.
- Allow the material to completely dissolve and disperse into the mix water. Continue agitation while adding the remainder of the water and **Strobe 2L** to the spray tank.
- Allow Strobe 2L to completely disperse.
- Spray the mixture with the agitator running.

- Use only on crops for which chemigation is specified on this label.
- Apply this product only through center pivot, solid set, hand move, or moving wheel irrigation systems. Do not apply this product through any other type of irrigation system.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- Apply in 0.1-0.25 inches/acre. Excessive water may reduce efficacy.
- 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 forpesticide 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.

Spray Preparation: Chemical tank and injector system should be thoroughly cleaned. Flush system with clean water.

Drip irrigation

Strobe 2L may be applied through drip irrigation systems for soil borne disease control. The soil should have adequate moisture capacity prior to drip application.

Terminate drip irrigation at fungicide depletion from the main feed supply tank or after 6 hours from start, whichever is shorter. For maximum efficacy, subsequent irrigation (water only) should be delayed for at least 24 hours following drip application.

Sprinkler Irrigation:

- Apply this product through sprinkler irrigation systems including center pivot, lateral move, end tow, side [wheel] roll, traveler, big gun, solid set, or hand move irrigation systems.
- Do not apply this product through any other type of irrigation system except as specified on this label.
- Apply with center pivot or continuous-move equipment distributing ½ acre-inch or less during treatment.
- In general, use the least amount of water required for proper distribution and coverage.
- If stationary systems (solid set, handlines or wheel lines other than continuous-move) are used, this product should be injected into no more than the last 20-30 minutes of the set.
- Do not apply when winds are greater than 10-15 mph to avoid drift or wind skips.
- Do not apply when wind speed favors drift beyond the area intended for treatment.
- Plant injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform treated water.
- Thorough coverage of foliage is required for good control.
- Good agitation should be maintained during the entire application period.

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

Operating Instructions

- 1. Do not apply when wind speed favors drift beyond the area intended for treatment.
- 2. 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.

- 3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 4. 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.
- 5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 6. 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.
- 7. 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.
- 8. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. 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.
- 9. 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.

Center Pivot Irrigation Equipment

Notes: (1) Use only with drive systems which provide uniform water distribution. (2) Do not use end guns when chemigating **Strobe 2L** through center pivot systems because of non-uniform application.

- Determine the size of the area to be treated.
- Determine the time required to apply 1/8 to 1/2 inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as specified by the equipment manufacturer.
- When applying **Strobe 2L** through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution. Run the system at 80-95% of the manufacturer's rated capacity.
- Using water, determine the injection pump output when operated at normal line pressure.
- Determine the amount of **Strobe 2L** required to treat the area covered by the irrigation system.
- Add the required amount of **Strobe 2L** and sufficient water to meet the injection time requirements to the solution tank.
- Make sure the system is fully charged with water before starting injection of the Strobe 2L solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
- Maintain constant solution tank agitation during the injection period.
- Continue to operate the system until the **Strobe 2L** solution has cleared the sprinkler head.

Solid Set, Hand Move, and Moving Wheel Irrigation Equipment

- Determine the acreage covered by the sprinklers.
- Fill injector solution tank with water and adjust flow rate to use the contents over a 20 to 30-minute interval. When applying **Strobe 2L** through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution.

- Determine the amount of **Strobe 2L** required to treat the area covered by the irrigation system.
- Add the required amount of **Strobe 2L** into the same quantity of water used to calibrate the injection period.
- Operate the system at the same pressure and time interval established during the calibration.
- Stop injection equipment after treatment is completed. Continue to operate the system until the **Strobe 2L** solution has cleared the last sprinkler head.

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, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- 3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 4. 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.
- 5. 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.
- 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. Do not apply when wind speed favors drift beyond the area intended for treatment.

SPECIFIC CROP USE DIRECTIONS

Strobe 2L Rate Conversion Chart

Fl. oz.	Lb. a.i./A	Treated Acres/ Gal.
Product/A		Product
4.0	0.07	32.0
5.0	0.08	25.6
5.5	0.09	23.2
6.0	0.10	21.3
6.2	0.10	21.3
7.0	0.11	18.3
8.5	0.14	15.4

9.0	0.15	14.2
9.2	0.15	14.2
10.0	0.16	13.0
11.0	0.18	11.6
12.0	0.20	10.4
12.3	0.20	10.4
13.0	0.21	9.8
14.0	0.23	9.1
15.4	0.25	8.3
15.5	0.25	8.3
18.3	0.30	6.9
18.5	0.30	6.9
20.0	0.33	6.4
20.3	0.33	6.4
24.5	0.40	5.2

TURF

(Including golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields)

Golf course turf (not for use in California). Commercial turf farms (not for use in California).

Strobe 2L is recommended for control of anthracnose, brown patch, cool weather brown patch (yellow patch), Fusarium patch, gray leaf spot, gray snow mold (Typhula blight), leafspot, melting out, necrotic ring spot, pink patch, pink snow mold, Pythium blight, Pythium root rot, red thread, Rhizoctonia large patch, southern blight, spring dead spot, summer patch, take-all patch, and Zoysia patch on golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

INTEGRATED PEST (DISEASE) MANAGEMENT: Sound turf management resulting in healthy, vigorous turf is the foundation of a good IPM program. Cultural practices such as proper choice of turf variety, nutrient management, proper cutting height, thatch management, and proper watering, drainage, and moisture stress management should be integrated with the use of fungicides to increase turf vigor and reduce the susceptibility to disease, Immunoassay detection kits and extension service diagnostic services can assist in the early and accurate identification of causal organisms and corresponding selection of the proper fungicide when required.

RESISTANCE MANAGEMENT: Some turf disease pathogens are known to have developed resistance to products used repeatedly for their control. **Strobe 2L** should be applied in a tank mix or alternation program with other registered fungicides that have a different mode of action and to which pathogen resistance has not developed.

APPLICATION DIRECTIONS: **Strobe 2L** should be applied prior to disease development. Mix **Strobe 2L** with the required amount of water and apply as a dilute spray application in 2-4 gallons of water per 1000 square feet (87-174 gallons per acre). Repeat applications at specified intervals for as long as required. For spot treatments, use 0.4 fl. oz. **Strobe 2L** per 1 to 2 gallons of water. Apply by ground only.

Specific Use Restrictions

- Do not apply more than two sequential **Strobe 2L** applications for *Pythium* spp. Control
- For all other diseases when *Pythium* spp. is not present, do not apply more than three sequential applications of **Strobe 2L**.
- Do not apply more than 9.6 quarts' product/acre/year (7.1 fl. oz. product/1000 square feet/year)

RATE RANGES: Use the shortest specified application interval and/or use the higher specified rate when prolonged favorable disease conditions exist.

Dollar Spot:

Strobe 2L does not control dollar spot. **Strobe 2L** is compatible in tank mixes with many other fungicides that control dollar spot. Always tank mix **Strobe 2L** with another fungicide that controls dollar spot when this disease is present.

Follow directions under TANK MIXES/COMPATIBILITY above.

DIRECTIONS FOR APPLICATION FOR TURF DISEASES

Target Diseases	Use Rate (fl. oz. product per 1000 sq. ft.)	Application Interval (days)	Remarks*
Anthracnose (Colletotrichum graminicola)	0.38 - 0.77	14-28	Apply when conditions are favorable for disease development.
Brown Patch (Rhizoctonia solani)	0.38 – 0.77	14-28	Apply when conditions are favorable for disease development.
Cool weather brown patch Yellow patch (Rhizoctonia cerealis)	0.77	28	Make one or two applications in fall or when conditions are favorable for disease development.
Fairy Ring (Lycoperdon spp., Agrocybe pediades, and Bovistra plumbea)	0.77	28	Apply as soon as possible after fairy ring symptoms develop. Apply only in 4 gallons water per 1000 square feet (174 gallons/acre). Add the recommended rate of a wetting agent to the final spray. Severely damaged or thin turf may require reseeding. Fairy ring symptoms may take 2 to 3 weeks to disappear following application. Reapplication after 28 days may be required in some cases.
Fusarium patch (Microdochium nivale)	0.38 – 0.77	14-28	Apply when conditions are favorable for disease development.
Gray Leaf Spot	0.38 – 0.77	14-28	Begin applications before

(Pyricularia grisea)			disease is present and continue
(i yiicalana giisea)			applications while conditions
			are favorable for disease
			development.
Gray snow mold			Make a single application of
1		Single	<u> </u>
Typhula blight	1.35	application	1.35 fl. oz. or two applications of
(Typhula incarnata, T.		аррпсацоп	0.77 fl. oz. spaced 14 days apart
ishikariensis)			in late fall just before snow
			cover. Tank mixing with another
	0.77	10-28	snow mold fungicide may
			enhance control under severe
			disease pressure.
Leaf Rust			Begin applications when
Stem Rust	0.38 – 0.77	14-28	conditions are favorable for
Stripe Rust	0.00 0.77	20	disease infection, prior to
(Puccinia spp.)			disease symptom development.
Leafspot	0.38 – 0.77	14-21	Apply when conditions are
(Bipolaris sorokiniana)	0.30 - 0.77	14-21	favorable for disease development.
Melting out			Apply when conditions are
(Drechslera poae)	0.38 – 0.77	14-21	favorable for disease
			development.
Necrotic ring spot			Apply when conditions are
(Leptosphaeria korrae)	0.77	14-28	favorable for disease
			development.
Pink patch			Apply when conditions are
(Limonomyses roseipellis)	0.38 – 0.77	14-28	favorable for disease
(=, =,		.,	development.
Pink snow mold			Make a single application of
(Microdochium nivale)	1.75	Single	1.35 fl. oz. or two applications of
(i ilei dadei ilai ili ilii die)	1.35	application	0.77 fl. oz. spaced 14 days apart
			in late fall just before snow
			cover. Tank mixing with another
	0.77	4.4	snow mold fungicide may
	0.77	14	enhance control under severe
			disease pressure.
Powdery Mildew			Begin applications when
(Erysiphe graminis)			conditions are favorable for
(Liysiphe giulillis)	0.38 – 0.77	14-28	disease infection, prior to
			•
Disthirum hiimht			disease symptom development.
Pythium blight			Begin applications before
Pythium root rot			disease is present. During
(Pythium aphanidermatum,	0.77	10 14	periods of prolonged favorable
Pythium spp.)	0.77	10-14	conditions, treat on the 10 day
			application interval. For use on
			newly seeded as well as
			established turf.
Red thread			Apply when conditions are
(Laetisaria fuciformis)	0.38 – 0.77	14-28	favorable for disease
			development.
Rhizoctonia large patch	0.38 – 0.77	14-28	Make one or two applications in

(Rhizoctonia solani)			fall or when conditions are favorable for disease development.
Southern blight (Sclerotium rolfsii)	0.38 – 0.77	14-28	Apply when conditions are favorable for disease development.
Spring dead spot (Leptosphaeria korrae) or (Gaeumannomyces graminis var. graminis) or (Ophiosphaerella herpotricha)	0.77	28	Make one or two applications in fall or when conditions are favorable for disease development.
Summer patch (Magnaporthe poae)	0.38 – 0.77	14-28	Apply when conditions are favorable for disease development.
Take-all patch (Gaeumannomyces graminis var. avenae)	0.77	28	Make two applications 28 days apart in the spring and two applications 28 days apart in the fall.
Zoysia patch (Rhizoctonia solani and/or Gaeumannomyces incrustana)	0.38 – 0.77	14-28	Make one or two applications in late fall before snow cover or when conditions are favorable for disease development. Do not apply on top of snow.

Strobe 2L Rate Conversion Chart for Turf

Fluid Ounces Product Per 1000 Sq. Ft.	Ounces A.I. Per 1000 Sq. Ft.	Fluid Ounces Product Per Acre	Pints of Product Per Acre
0.4	0.104	17.4	1.1
0.5	0.130	21.8	1.4
0.6	0.156	26.1	1.6
0.7	0.182	30.5	1.9
0.77	0.200	33.5	2.1
1.35	0.350	58.8	3.7

Amount of Strobe 2L to Mix 100 Gallons for Turf Applications

Spray Volume (gallons/1000 square feet)							
Strobe 2L Use Rate	Strobe 2L Use Rate 2.0 gals. 3.0 gals. 4.0 gals.						
(fl. oz.)	(fl. oz.)	(fl. oz.)	(fl. oz.)				
0.4	20	13	10				
0.5	25	17	13				
0.6	30	20	15				
0.7	35	23	18				
0.77	38.5	25.7	19.3				
1.35	67.5	45	33.75				

ORNAMENTALS

(Including container, bench, flat, plug, bed or field-grown ornamentals in greenhouses, shade-houses, outdoor nurseries, retail nurseries, and other landscape areas)

Not for use in California

Strobe 2L is recommended for control of certain pathogens causing foliar, aerial, and root diseases, including leaf, tip, and flower blights, leaf spots, downy mildew, powdery mildew, anthracnose, and rusts of ornamental plants. **Strobe 2L** may be used to control certain diseases of container, bench, flat, plug, bed or field-grown ornamentals in greenhouses, shade-houses, outdoor nurseries, retail nurseries, and other landscape areas.

INTEGRATED PEST (DISEASE) MANAGEMENT: **Strobe 2L** should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, winter and/or spring pruning, plant residue management and proper timing and placement of irrigation. Immunoassay detection kits and diagnostic services can assist in the early and accurate identification of causal organisms and corresponding selection of the proper fungicide when required.

RESISTANCE MANAGEMENT: Some ornamental disease pathogens are known to have developed resistance to fungicides used repeatedly for their control. **Strobe 2L** should be applied in an alternation or tank mix program with other registered fungicides that have a different mode of action and to which pathogen resistance has not developed. A sound resistance management program would include blocks of three **Strobe 2L** applications separated by blocks of two alternate fungicide applications. Do not alternate **Strobe 2L** with other strobilurin fungicides.

APPLICATION DIRECTIONS: Apply **Strobe 2L** as a broadcast or banded spray targeted at the foliage or crown of the plant. Apply to runoff in sufficient water to ensure complete coverage of the target plant. Good coverage and wetting of foliage is necessary for best control. Refer to the label for specific use directions for control of certain diseases. Repeat applications at specified intervals (plus alternations for resistance management) for as long as required. Applications may be made by ground only.

Strobe 2L applications should begin prior to disease development and continue throughout the season at specified intervals following resistance management guidelines. **Strobe 2L** works best when used as part of a preventative disease management program.

Use only surfactants approved for ornamental plants in combination with **Strobe 2L**. Do not use silicone based products with **Strobe 2L** due to possible phytotoxicity. Always test tank mixes on a small group of representative plants prior to broad scale use.

Apply **Strobe 2L** at use rates of 1.9 - 7.7 fl. oz./100 gallons (0.95 - 3.85 fl. oz./50 gallons) and every 7-28 days (or as otherwise specified for a specific plant or disease). The addition of a non-silicone based wetter-sticker at the recommended use rate may enhance coverage on hard-to-wet plant foliage.

Under most conditions and for most diseases, apply 3.85 - 7.7 fl. oz./100 gallons (1.9 - 3.85 fl. oz./50 gallons) on a 7-14-day interval.

Under light to moderate disease pressure, use the lower rates (1.9 - 3.85 fl. oz./100 gallons, or

0.95 - 1.9 fl. oz./50 gallons) on a 7-14-day interval or the higher rates (5.75 - 7.7 fl. oz./100 or 2.85 - 3.85 fl. oz./50 gallons) on a 14-28-day interval.

Under environmental conditions which promote severe disease development, use the higher rates (5.75 - 7.7 oz./100 gallons or 2.85 - 3.85 fl. oz./50 gallons) on a 7-14-day interval.

Use of **Strobe 2L** as a "rescue" (late curative or eradicant) treatment may not always result in satisfactory disease control.

Specific Use Restrictions

- Do not make more than three (3) sequential applications of **Strobe 2L** before alternating with a fungicide of a different mode of action.
- Do not exceed 2.4 gallons of product/crop acre/year or 8 applications/crop/year.
- Do not exceed 600 gallons spray volume per acre for foliar applications. For drench and crown applications, do not exceed 2 pints' volume per square foot.

In addition, do not tank mix **Strobe 2L** with other fungicides, insecticides, herbicides, fertilizers, adjuvants, etc. unless local experience indicates that the tank mix is safe to ornamental plants.

DRENCH APPLICATION: **Strobe 2L** may be applied to control soilborne, seedling, and crown diseases of production ornamentals (greenhouses, shadehouse, and container grown) as a preventative, drench treatment prior to infection. Good coverage of the pre-infection area (root zone, root ball, crown, etc.) is necessary for satisfactory control. **Strobe 2L** may be drench applied to container grown ornamentals using 0.38 - 1.75 fl. oz./100 gallons of water. Apply 1-2 pints of the solution per square foot surface area on a 7-28 day interval. Apply drench prior to infection as healthy roots are necessary to optimize product uptake, systemic translocation and disease protection.

Caution should be taken before making application of **Strobe 2L** as a drench to small bedding plants in the seedling/plug stage due to possible phytotoxicity. A limited quantity of plants should be tested prior to full-scale application.

DRIP IRRIGATION: **Strobe 2L** may be applied through drip irrigation systems to potted ornamentals or to bedded, field grown ornamentals for soil-borne disease control. Apply 3.85 - 30.75 fl. oz. **Strobe 2L** per acre as a preventative disease application. The soil or potting media should have adequate moisture capacity prior to drip application.

Terminate drip irrigation at fungicide depletion from the main feed supply tank or after 6 hours from start, whichever is shorter. For maximum efficacy, subsequent irrigation (water only) should be delayed for at least for 24 hours following drip application.

GENERAL ORNAMENTAL USE PRECAUTIONS

Do not apply **Strobe 2L** to apple, crabapple or cherry trees (Flowering, Yoshina variety) due to possible phytotoxicity. Further, do not use spray equipment that has applied **Strobe 2L** for use in these sensitive crops due to possible phytotoxicity from residue remaining in the sprayer.

Strobe 2L may be applied to certain varieties of crabapple for control of apple scab. **Strobe 2L** has been shown to be safer when applied to the species and varieties listed in Table 4. However,

due to the large number of genera, species, and varieties of crabapple, it is impossible to test every one for tolerance to **Strobe 2L**. The professional user should conduct small scale testing to insure plant safety prior to broad scale commercial use on plant genera and species not listed on this label.

TABLE 1: DISEASES CONTROLLED: When used in accordance with the label directions, **Strobe 2L** will provide control of the following diseases of ornamental plants:

	Use Rates and Application Instructions					
		8 oz and larger containers	4 oz containers			
	DISEASE (Pathogen)	(fl. oz. product per 100	(fl. oz. product per 50			
		gallons)	gallons)			
1	CONIFER BLIGHTS	ganena	ganona,			
	Phomopsis Blight	Apply 1.9 - 7.7 fl. oz	Apply 0.95 - 3.85 fl. oz.			
1a	(Phomopsis juniperovora)	every 7-28 days	every 7-28 days			
1b	Tip Blight (Sirococcus	Apply 1.9 - 7.7 fl. oz	Apply 0.95 - 3.85 fl. oz.			
ID	strobiiinus)	every 7-28 days	every 7-28 days			
2	LEAF BLIGHTS/LEAF SPOTS					
2a	Aiternaria Leaf Spot	Apply 1.9 – 7.7 fl. oz	Apply 0.95 – 3.85 fl. oz.			
Zu	(Alternaria spp.)	every 7-28 days	every 7-28 days			
	Anthracnose	Apply 1.9 – 7.7 fl. oz	Apply 0.95 – 3.85 fl. oz.			
2b	(Coiletotnchum	every 7-28 days	every 7-28 days			
	spp., Eisinoe spp.)					
		Apply 3.85 – 7.7 fl. oz. every	Apply 1.9 – 3.85 fl. oz. every			
_	Downy Mildew of Rose (Peronospora sparsa)	7-21 days during periods of	7-21 days during periods of			
2c		active plant growth and	active plant growth and			
		prior to dormancy or severe infection.	prior to dormancy or severe infection.			
	Entomosporium Leaf Spot	Apply 1.9 - 7.7 fl. oz	Apply 0.95 - 3.85 fl. oz.			
2d	(Entomosporium mespili)	every 7-28 days	every 7-28 days			
	Iris Leaf Spot	every 7-20 ddys	every 7-20 days			
2e	(Mycosphaerella	Apply 3.85 – 7.7 fl. oz.	Apply 1.9 – 3.85 fl. oz.			
20	macrospora)	every 7-21 days	every 7-21 days			
2f	Leaf spot (Cladosporium	Apply 1.9 - 7.7 fl. oz	Apply 0.95 - 3.85 fl. oz.			
21	echinulatum)	every 7-28 days	every 7-28 days			
		Apply 7.7 – 15.4 fl. oz. every	Apply 3.85 – 7.7 fl. oz. every			
		7-14 days	7-14 days			
		Apply Strobe 2L on a 7 day	Apply Strobe 2L on a 7 day			
		interval unless disease	interval unless disease			
	Rose Blackspot	pressure is light. Under	pressure is light. Under			
2g	(Diplocarpon	severe disease conditions or	severe disease conditions or			
_3	rosea)	if disease is already present,	if disease is already			
		Strobe 2L may be tank	present, Strobe 2L may be			
		mixed with another rose	tank mixed with another			
		Blackspot fungicide. Do not	rose blackspot fungicide.			
		exceed 46 fl. oz./acre	Do not exceed 46 fl.			
	Manatha airma I ant an at	application.	oz./acre/application			
2h	Myrothecium leaf spot	Apply 3.85 - 7.7 fl. oz.	Apply 1.9 - 3.85 fl. oz.			
2:	(Myrothecium spp.)	every 7-21 days	every 7-21 days			
2i	Downy Mildew of bedding	Apply 1.9 – 7.7 fl. oz	Apply 0.95 – 3.85 fl. oz.			

	plants (Peronospora spp.)	every 7-28 days	every 7-28 days
	piante (i erenespera spp.)	Apply 1.9 – 7.7 fl. oz. every	Apply 0.95 – 3.85 fl. oz.
		10-28 days. Do not apply to	every 10-28 days. Do not
2j	Scab (Venturia inaequaiis)	apple trees. For crabapples	apply to apple trees. For
,	, , , , , , , , , , , , , , , , , , , ,	only, see Table 4 for	crabapples only, see Table
		tolerant species.	4 for tolerant species.
21	Marrsonina Leaf Spot	Apply 1.9 – 7.7 fl. oz./100 gal	Apply 0.95 – 3.85 fl. oz.
2k	(Marsonina spp.)	every 14-28 days.	every 14-28 days.
21	Cercospora Leaf Spot	Apply 1.9 - 7.7 fl. oz./100 gal	Apply 0.95 - 3.85 fl. oz.
Z1		every 7-28 days	every 7-28 days.
		Preventative applications	Preventative applications
		only. Do not make more	only. Do not make more
3	POWDERY MILDEW	than 2 sequential	than 2 sequential
		applications before rotating	applications before
		to another class of	rotating to another class of
		fungicide.	fungicide.
3a	Erysiphe pannosa. E spp.	Apply 1.9 - 7.7 fl. oz	Apply 0.95 - 3.85 fl. oz.
		every 7-28 days Apply 1.9 - 7.7 fl. oz	every 7-28 days Apply 0.95 - 3.85 fl. oz.
3b	Microspbaera azaleae	every 7-28 days	every 7-28 days
		Apply 1.9 - 7.7 fl. oz	Apply 0.95 - 3.85 fl. oz.
3с	Sphaerotheca pannosa	every 7-28 days	every 7-28 days
4	RUSTS	creiy / 20 days	21317 22 3373
	Needle Rust (Melampsora	Apply 1.9 - 7.7 fl. oz	Apply 0.95 - 3.85 fl. oz.
4 a	occidentalis)	every 7-28 days	every 7-28 days
41.	·	Apply 1.9 - 7.7 fl. oz	Apply 0.95 - 3.85 fl. oz.
4b	Phragrnidium spp.	every 7-28 days	every 7-28 days
4c	Propries and	Apply 1.9 - 7.7 fl. oz	Apply 0.95 - 3.85 fl. oz.
40	Puccinia spp.	every 7-28 days	every 7-28 days
4d	Gymnosporagium spp.	Apply 1.9 - 7.7 fl. oz	Apply 0.95 - 3.85 fl. oz.
	,	every 7-28 days	every 7-28 days
5	FLOWER BLIGHTS		
_	Anthracnose	Apply 1.9 - 7.7 fl. oz	Apply 0.95 - 3.85 fl. oz.
5a	(Collectotmhum spp.	every 7-28 days	every 7-28 days
	Elsinoe spp.)	, ,	
	Botrytis Blight (Botrytis	Apply 7.7 - 15.4 fl. oz. every 7-21 days	Apply 3.85 - 7.7 fl. oz. every 7-21 days
5b	cinerea)	For suppression only. Do not	For suppression only. Do
	56.7	exceed 46 fl. oz./acre	not exceed 46 fl. oz./acre
6	SHOOT/STEM DISEASES		
	Aerial/Shoot Blight	Apply 1.9 - 3.85 fl. oz.	Apply 0.95 - 1.9 fl. oz.
6a	(Phytophthora spp.)	every 7-28 days	every 7-28 days
	SOILBORNE DISEASES	For directed spray	For directed spray
7	(Directed	applications utilize the	applications utilize the
	Spray)	following rates below.	following rates below.
7a	Rhizoctonia soiani	Apply 1.9 - 7.7 fl. oz	Apply 0.95 - 3.85 fl. oz.
	zotoma soram	every 7-21 days	every 7-21 days
7b	Scierotium rolfsil	Apply 1.9 - 7.7 fl. oz	Apply 0.95 - 3.85 fl. oz.
		every 7-21 days	every 7-21 days

7c	Rosarium spp.	Apply 1.9 - 7.7 fl. oz every 7-21 days	Apply 0.95 - 3.85 fl. oz. every 7-21 days		
8	SOILBORNE DISEASES (Drench)	See Ornamentals Section for additional drench directions.	See Ornamentals Section for additional drench directions.		
8a	Rhizoctonia soiani	Apply 0.35 - 1.75 fl. oz., 1 -2 pints of the solution per square foot surface area, every 7-28 days.	Apply 0.19 - 0.95 fl. oz., 1-2 pints of the solution per square foot surface area, every 7-28 days.		
8b	Scierotium rolfsil	Apply 0.35 - 1.75 fl. oz., 1 -2 pints of the solution per square foot surface area, every 7-28 days.	Apply 0.19 - 0.95 fl. oz., 1-2 pints of the solution per square foot surface area, every 7-28 days.		
8c	Fusarium spp.	Apply 0.35 - 1.75 fl. oz., 1 -2 pints of the solution per square foot surface area, every 7-28 days.	Apply 0.19 - 0.95 fl. oz., 1-2 pints of the solution per square foot surface area, every 7-28 days.		

Strobe 2L can be used safely on genera, species, or varieties of ornamental and nursery plants not specified on this label. The professional user should conduct small scale testing to insure plant safety prior to broad scale commercial use on plant genera and species not listed in this label.

Tolerant Ornamental Plants: **Strobe 2L** has been found to be safe when applied to the plants listed in Tables 2, 3 and 4 when applied according to recommended application methods, rates, and timings.

TABLE 2: Tolerant Plants Listed by Botanical Name:

BOTANICAL NAME	COMMON NAME	DISEASES
Abelia spp.	Abelia	2
Ahiesiraseri	Fraser fir	1, 4
Abiesprocera	Noble Fir	1, 4
Acer palmatum	Japanese maple	2
Acer saccharum	Sugar maple	2
Ageratum spp.	Floss-Flower	3, 4
Ageratum spp.	Pussy's-Foot	3, 4
Aglaonema spp.	Chinese-evergreen	2, 4
Ajuga reptans	Bugle, Bugleweed	3
Antirrhinum spp.	Snap-Dragon	2i, 3, 4
Apheiandra spp.	Zebra-Plant	2
Artemisia spp.	Mugwort-Sagebrush	2
Artemisia spp.	Wormwood	2
Aster spp.	Aster, Starwort	4
Aucuba japonica	Japanese aucuba, Japanese laurel	7
Begonia spp. (except Rieger begonia)	Begonia	2, 3

Berberis thunbergii	Barberry	3, 4
Betula nigra	River birch	3, 4
Bougainvillea spp.	Bougainvillea	2
Brassaia actinophylia	Rubber-tree, Umbrella-tree	2, 7
Buddieia davidii	Buddleia, Butterfly-bush	2
Buxus sempervirens	Boxwood	2, 7a
Caladium spp.	Caladium	7
Camelia japonica	Camelia	2
Caryota urens	Sago Palm	2, 7
Catharanthus roseus	Vinca	2
Ceanothus sanguineus	Wild lilac	3
Ceanothus spp.	Ceanothus, California lilac, Snowball	3
Cedrus atlantica	Atlas cedar	2, 4
Cecirus spp.	White cedar	2, 4
Cercis occidentaiis	Western redbud	2
Chamaecyparis spp.	Cypress, Leyland cypress	1
Chamaecypahspisifera spp.	Sawara cypress	1
Chamaedora eipgans	Parlor palm	7
Chrysanthemum spp.	Chrysanthemums	2, 7c
Clethra alnifolia	Clethra, White alder	2
Cornus spp.	Dogwood, Pink Dogwood, Flowering	2b, 3
	Dogwood	
Cornus florida	Dogwood	2b, 3
Cortaderia selloana	Pampas grass	3
Cotoneaster adpressus	Creeping cotoneaster	7
Cotoneaster horizontalis	Cotoneaster- variegated rockspray	7
Cyclamen spp.	Cyclamen	7c
Cyperus spp.	Cyperus	1
Delphinium spp.	Larkspur	2
Dianthus caryophyllus	Carnation	3, 4
Dianthus spp.	Pink	3, 4
Dieffenbachia spp.	Dumb Cane	2
Dietes iridiodes	African iris, Butterfly iris	4c, 4j
Digitalis spp.	Foxglove	2, 3
Epipremnum spp.	Pothos	2
Erica dareyensis	Heather	2
Euonymus alata	Dwarf winged euonymus	2
Euonymus alatus	Burning bush	2
Euonymus japonicus	Evergreen euonymus	2
Euphorbia spp.	Poinsettia	2a
Fatsia japonica	Japanese fatsia, Paper-plant	2
Ficus spp.	Fig	2
Forsythia viridissima	Forsythia	2
Gaillardia spp.	Blanket-Flower	
Gardenia jasminoides	Gardenia 3	
Geranium spp.	Cranesbill 5b	
Gerbera jamesonii	Gerber daisy, Transvaal daisy	
Hedera algeriensis	Algerian ivy	

Hedera helix	English ivy	2
Hibiscus moscheutos	Hibiscus	2, 3
Hibiscus rosa-sinensis	Hibiscus	2, 3
Hibiscus syriacus	Rose of Sharon	2, 3
Hosta spp.	Hosta	2
Hydrangea macrophyila	French hydrangea	2, 3
Hydrangea spp.	Hydrangea	2, 3
llex spp.	Holly, Winterberry, Yaupon	3
Impatiens spp.*	Balsam, Impatiens*	2a, 7a
Iris xiphium	Iris (bulbous, Spanish, Dutch)	2e
Itea virginica	Virginia willow	3, 4
Juniperus procumbens	Juniper	1a, 4
Juniperus scopulorum	Juniper	1a, 4
Juniperus spp.	Juniper	1a, 4
Juniperus virginiana	Red cedar	1a, 4
Lagerstroemia indica	Crapemyrtle	2, 3
Lauras nobilis	Laurel	3
Lilium spp.	Asiatic Lily	2
Liriope muscari	Lily-turf	2
Lobularia maritima	Sweet alyssum	7
Magnolia grandiflora	Southern magnolia	2
Magnolia soulangiana	Saucer magnolia	2
Magnolia spp.	Magnolia	2
Malus spp.	Crabapple (See Table 4 for variety list)	2i
Nandina domestica	Nandina	2
Nerium oleander	Oleander, Rose-bay 2	
Pelargonium spp.	Geranium 3, 4, 5	
Permisetum alopecuroides	Grass 2	
Peperomia spp.	Baby rubber-plant 2,	
Petunia spp.	Petunia 6	
Phelans spp.	Dwarf pampas grass	
Philodendron spp.	Philodendron	2j
Phlox spp.	Phlox	3
Phoenix daciylifera	Date palm	2, 7
Phoenix roebelenii	Roebelin's palm	2, 7
Photinia glabra	Red tip photinia	2, 3, 4
Picea abies	Norway spruce	1
Picea glauca	White spruce	1
Picea purtgens	Blue spruce	1
Pieris japonica	Japanese andromeda	2, 7
Pinus muhgo	Muhgo pine	1b, 4
Pinus nigra	Black pine 1b, 4	
Pinus silvestris	Scotch pine 1, 4	
Pinus spp.	Pine 1b, 4	
Pinus strobus	Eastern white pine 1b, 4	
Pittosporum spp.	Australian laurel 3, 4	
Philadelphus spp.	Mock-orange 3, 4	
Plectranthus spp.	Swedish ivy, Coleus	2

D 1 1 1 1	D I	1 4
Populus trichocarpa	Poplar	4
Populus spp.	Aspen Trees	2
Potentilla spp.	Cinquefoil	2
Primula spp.	Primrose	2
Prunus pumila	Cherry	2, 5
Prunus spp.	Flowering plum, Purple-leaf plum	2, 5
Pseudotsuga spp.	Douglas Fir	1, 4
Pyrus calleryana	Bradford's Pear	3
Quercus falcata	Red Oak	2, 3
Quercus palustris	Pin Oak	2, 3
Rhaphiolepis indica	Indian Hawthorn	2, 3, 4
Rhododendron spp.	Azaleas, Rhododendron	2b, 3, 6, 7
Rhododendron spp.	Glacier Azalea	2b, 3, 6, 7
Rosa spp.	Rose	2a, 2c, 3c,
		4b
Rosmarinus spp.	Rosemary (prostrate)	2
Rudbeckia hirta	Black-Eyed-Susan	2j
Salvia spp.	Sage	3
Schlumbergera	Holiday Cactus	2, 7
Sedum spp.	Orpine, Stonecrop	2
Sempervivum spp.	Live-forever, House-Leek	2
Setaria spp.	Ribbon Grass	2, 3
Spathiphyllum floribundium	Peace Lily	2, 7
Spirea bumalda	Spirea	3
Spirea japonica	Spirea	3
Syagnis romanzoffianum	Queen Palm	2
Tagetes spp.	Marigold	2a
Taxus baccata	Spreading Yew	7
Thuja plicata	Western Red Cedar	4
Thujopsis spp.	Arborvitae	2
Thymus serpyllum	Creeping Thyme	2
Tsuga heiarophylia	Western Hemlock	4
Tsuga spp.	Hemlock	4
Verbenas spp.	Verbena, Vervain	3
Vibumum spp.	Viburnum	2, 3, 4
Vinca spp.	Periwinkle	2, 6a
Viola spp.*	Viola, Pansy*	2
Weigela florida	Pink Weigela	2
Yucca spp.	Yucca	7
Zinnia spp.	Zinnia	2a, 3
a 5pp.		,

^{*}Do not exceed 3.85 fl. oz./100 gallons on these species.

TABLE 3: Tolerant Plants Listed by Common Name:

COMMON NAME BOTANICAL NAME	
Abelia	Abelia spp.
Andromeda, Japanese	Pieris japonica
Arborvitae	Thujopsis spp.

Aspen Trees	Populus spp.	
Aster	Aster spp.	
Aucuba, Japanese	Aucuba japonica	
Azalea, Glacier	Rhododendron spp.	
Azaleas	Rhododendron spp.	
Balsam	Impatiens spp.	
Barberry	Berberis thunbergii	
Begonia (except Rieger begonia)	Begonia spp.	
Birch, River	Betula nigra	
Black-Eyed-Susan	Rudbeckia hirta	
Blanket-Flower	Gailliardia spp.	
Bougainvillea	Bougainvillea spp.	
Boxwood	Buxus sempervirens	
Buddleia	Buddleia davidii	
Bugle	Ajuga reptans	
Bugleweed	Ajuga reptans	
Burning Bush	Euonyrnus alatus	
Butterfly Bush	Buddleia davidii	
Cactus, Holiday	Schlumbergera	
Caladium	Caladium spp.	
Camellia		
Carnation	Camellia japonica	
Ceanothus	Dianthus caryophyllus	
	Ceanothus spp. Cedrus atlantica	
Cedar, Atlas		
Cedar, Red	Juniperus virginiana	
Cedar, Western Red	Thuja plicata	
Cedar, White	Cedrus spp.	
Cherry	Prunus pumila	
Christmas Tree	See Fraser fir, Scotch pine and Douglas fir	
Chrysanthemum	Chrysanthemum spp.	
Cinquefoil	Potentilla spp.	
Clethra	Clethra alnifolia	
Coleus	Plectranthus spp.	
Cotoneaster, Creeping	Cotoneaster adpressus	
Cotoneaster, Variegated Rockspray	Cotoneasier horizontalis	
Crabapple (See Table 4 for variety list)	Malus spp.	
Cranesbill	Geranium spp.	
Crapemyrtle	Lagerstroemia indica	
Cyclamen	Cyclamen spp.	
Cyperus	Cyperus spp.	
Cypress, Sawara	Chamaecyparis pisifera	
Cypress, Leyland	Chamaecypans spp.	
Daisy, Gerber	Gerbera jamesonii	
Daisy, Transvaal	Gerbera jamesonii	
Dogwood	Cornus spp.	
Dogwood	Cornus florida	
Dogwood, Pink	Cornus spp.	
Dumb-Cane	Dieffenbachia spp.	

Euonymus, Dwarf Winged	Euonymus alatus	
Euonymus, Evergreen	Euonymus japonicus	
Evergreen, Chinese	Aglaonema spp.	
Fatsia, Japanese	Fatsia japonica	
Fig	Ficus spp.	
Fir, Douglas	Pseudotsuga spp.	
Fir, Fraser	Abies fraseri	
Fir, Noble	Abies procera	
Floss-Flower	Ageratum spp.	
Forsythia	Forsythia viridissima	
Foxglove	Digitalis spp.	
Gardenia	Gardenia jasminoides	
Geranium	Pelargonium spp.	
Grass	Pennisetum alopecuroides	
Grass, Dwarf Pampas	Phalaris spp.	
Grass, Pampas	Cortaderia selloana	
Hawthorn, Indian	Rhaphiolepsis indica	
Heather	Erica dareyensis	
Hemlock	Tsuga spp.	
Hemlock, Western	Tsuga heterophylla	
Hibiscus	Hibiscus moscheutos	
Hibiscus	Hibiscus rosa-sinensis	
Holly	llex spp.	
Hosta	Hosta spp.	
House-Leek	Sempervivum spp.	
Hydrangea	Hydrangea spp.	
Hydrangea, French	Hydrangea macrophylla	
Impatiens*	Impatiens spp.*	
Iris (Bulbous, Spanish, Dutch)	Iris xiphium	
Iris, African	Dietes iridiodes	
Iris, Butterfly	Dietes iridiodes	
Ivy, Algerian	Hedera aigeriensis	
lvy, English	Hedera helix	
Ivy, Swedish	Plectranthus spp.	
Juniper	Juniperus procumbens	
Juniper	Juniperus scopulorum	
Juniper	Juniperus spp.	
Larkspur	Delphinium spp.	
Laurel	Laurus nobilis	
Laurel, Australian	Pittosporum spp.	
Laurel, Japanese	Aucuba japonica	
Lilac, California	Ceanothus spp.	
Lilac, Wild	Ceanothus sanguineus	
Lily, Asiatic	Lilium spp.	
Lily, Peace	Spathiphylium fioribundium	
Lilyturf	Liriope muscari	
Live-Forever	Sempervivum spp.	
Magnolia	Magnolia spp.	
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Magnolia, Saucer	Magnolia soulangiana	
Magnolia, Southern	Magnolia grandiflora	
Maple, Japanese	Acer palmatum	
Maple, Sugar	Acer saccharum	
Marigold	Tagetes spp.	
Mock-Orange	Pittosporum tobira	
Mugwort	Artemisia spp.	
Nandina	Nandina domestica	
Oak, Pin	Quercus palustris	
Oak, Red	Quercus falcata	
Oleander	Nerium oleander	
Orpine	Sedum spp.	
Palm, Date	Phoenix dactyfifera	
Palm, Parlor	Ohamaedora eiegans	
Palm, Queen	Syagnis romanzoffianum	
Palm, Roebelin's	Phoenix roebeienii	
Palm, Sago	Caiyota urens	
Pansy*	Viola spp.*	
Paper Plant	Fatsia japonica	
Pear, Bradford's	Pyrus calleryana	
Periwinkle	Vinca spp.	
Petunia	Petunia spp.	
Philodendron	Philodendron spp.	
Phlox	Phlox spp.	
Photinia, Red-Tip	Photinia glabra	
Pine	Pinus spp.	
Pine, Black	Pinus nigra	
Pine, Eastern White	Pinus strobus	
Pine, Muhgo	Pinus muhgo	
Pine, Scotch	Pinus sylvestris	
Pink	Dianthus spp.	
Plum, Flowering	Prunus spp.	
Plum, Purple-Leaf	Prunus spp.	
Poinsettia	Euphorbia spp.	
Poplar	Populus trichocarpa	
Pothos	Epipremnum spp.	
Primrose	Primula spp.	
Pussy's-Foot	Ageratum spp.	
Redbud, Western	Cercis occidentalis	
Rhododendron	Rhododendron spp.	
Ribbon-Grass	Setaria spp.	
Rose of Sharon	Hibiscus syriacus	
Rose	Rosa spp.	
Rosebay	Nerium oleander	
Rosemary (Prostrate)	Rosmarinus spp.	
Rubber-Plant, Baby	Peperomia spp.	
Rubber Tree	Brassaia actinophylla	
Sage	Salvia spp.	

Sagebrush	Artemisia spp.
Snapdragon	Antirrhinum spp.
Snowball	Ceanothus spp.
Spirea	Spirea bumalda
Spirea	Spirea japonica
Spruce, Blue	Picea pungens
Spruce, Norway	Picea abies
Spruce, White	Picea glauca
Starwort	Aster spp.
Stonecrop	Sedum spp.
Sweet Alyssum	Lobularia maritima
Thyme, Creeping	Thymus serpyllum
Umbrella-Tree	Brassaia actinophylia
Verbena	Verbena spp.
Vervain	Verbena spp.
Viburnum	Viburnum spp.
Vinca	Catharanthus roseus
Viola	Viola spp.
White Alder	Ciethora spp.
Weigela, Pink	Weigeia florida
Willow, Virginia	Itea virginica
Winterberry	llex spp.
Wormwood	Artemisia spp.
Yaupon	llex spp.
Yew, Spreading	Taxus baccata
Yucca	Yucca spp.
Zebra-Plant	Aphelandra spp.
Zinnia	Zinnia spp.

^{*}Do not exceed 3.85 fl. oz./100 gallons on these species.

TABLE 4: Tolerant Varieties of Crabapple Species (Genus Malus) Tolerant Varieties of Malus

Arkansas Black	Eleyi	Mary Potter	seiboldii
atrosanguinea	Enterprise	Molten Lava	Selkirk
baccafa	Evereste	New Centennial	Sentinel
baccata var. jackii	Eyeiynn	Ormiston Roy	Silver Moon
baccata var.	floribunda	Pink Satin	Siiverdrift
mandshurica			
Callaway	Gloriosa	Prairie Maid	Sinai Fire
Candymint Sargent	Golden Delicious	Prairifire	spectablis
Christmas Holly	Golden Raindrops	Profusion	Sugar Tyme
coronaria	Нора	pumila	Van Eseltine
David	Indian Magic	Ralph Shay	White Angel
Dolgo	Island	Red Jade	Williams Pride
Donald Wyman	Katherine	Red Baron	Winter Gold
Dorothea	Lancelot	Sargent	Yellow Delicious
Doubloons	Louisa	sargentii	zumi Calocarpa

TABLE 5: Intolerant Plants (Do not apply **Strobe 2L** to these species or varieties)

COMMON NAME	BOTANICAL NAME
Apple	Malus domestica
Crabapple - Flame variety	Malus spp.
Crabapple - Brandywine variety	Malus spp.
Crabapple - Novamac variety	Malus spp.
Cherry, Flowering - Yoshina variety	Prunus yedoensis
Leatherleaf Fern and Other Ferns for cut	Rumohra adianformis and other species for
foliage	cut foliage
Privet	Ligustrum spp.

CONIFERS INCLUDING CHRISTMAS TREES, COMMERCIAL PRODUCTION ROSES Not for use in California

Strobe 2L may be used to control certain diseases on conifers in production (indoor and outdoor) and landscape situations.

Please see the Ornamental Section above for more detailed directions for use in landscape situations.

Crop	Target Diseases	Use Rate fl. oz. product/Acre (lb a.i./A)	Application Instructions and Restrictions
Conifers including Christmas Trees	Diplodia tip blight (Diplodia pinea) Lophodermium Needlecast (Lophodermium pinastri) Swiss Needlecast (Phaeocrytopus gaumannlf)	6.1 - 15.3 (0.10 - 0.25)	Integrated Pest (Disease) Management: Strobe 2L should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance and removal of plant debris in which inoculum may overwinter. Resistance Management: Do not apply more than four sequential applications of Strobe 2L before alternating with a fungicide that is not in
			Group 11. Do not make more than eight applications of Strobe 2L per acre per year. Application Directions: Strobe

			2L applications should begin prior to disease development and continue throughout the season at 7-21 day intervals following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates.
Roses (Commercial Rose Production)	Downy Mildew (Peronospora sparsa) Powdery Mildew (Spherotheca pannosa) Rust (Phragmidium mucronatum, P. tuberculatum, and other Phragmidium spp.) Septoria Leaf Spot (Septoria rosea) Alternaria Leaf Spot (Alternaria alternata)	3.0 - 15.3 (0.05 - 0.25)	Integrated Pest (Disease) Management: Strobe 2L should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, winter and/or spring pruning, plant residue management and proper timing and placement of irrigation. Resistance Management: Do not make more than four sequential application of Strobe 2L before alternating with a fungicide that is not in Group 11. Do not make more than eight applications per acre per year. Application Directions: Strobe 2L application should begin prior to disease development and continue throughout the season on 7-21 day intervals following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates. Plant Safety: Strobe 2L has been shown to be safe when applied to roses. However, all varieties of roses have not been evaluated for safety.

Small scale variety safety testing must be conducted to insure plant safety prior to large scale application, in addition, do not tank mix Strobe 2L with other fungicides, insecticides, herbicides, fertilizer, etc. unless local experience
unless local experience indicates that the tank mix is safe to roses.

Specific Use Restrictions: Do not apply more than 123 fl. oz. of product/acre/year (2.0 lb. a.i./A).

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:

<u>For Containers equal to or less than 5 Gallons</u>: Nonrefillable container. Do not reuse or refill this container. Clean container 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 ¼ 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. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

<u>For Containers greater than 5 Gallons</u>: Nonrefillable container. Do not reuse or refill this container. Clean container 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. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

<u>For Bulk containers:</u> (Refillable Container) Refill this container with pesticides 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 re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or re—circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire direction for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following CONDITIONS, DISCLAIMER OF WARRANTIES, and LIMITATIONS OF LIABILITY.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risk associated with the use of

this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. All such risks shall be assumed by the user or buyer.

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LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Control Solutions, Inc. election, the replacement of product.