ConTego™ Pro SL

PLANT GROWTH REGULATOR

SOLUBLE LIQUID

FOR USE ON ORNAMENTAL PLANTS ONLY

Active Ingredient:	
S-Abscisic Acid	10.0% w/v
Other Ingredients	90.0% w/v
Total	100.0% w/v

Contains a total of 10 g of Abscisic Acid (S-ABA) in 100 ml of product. S-Abscisic Acid, commonly known as S-ABA, is a naturally occurring growth regulator found in plants. Application of S-ABA to ornamental plants causes stomata to close, reduces water usage, and thus allows plants to conserve water and withstand environmental stress.

EPA Reg. No.: 73049-462
EPA Est. No.: 33762-IA-001

KEEP OUT OF REACH OF CHILDREN

CAUTION

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.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call toll-free 1-800-892-0099 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-847-968-4700.

This label must be in the possession of the user at the time of pesticide application.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

STATE OF HAWAII
Department of Agriculture
ACCEPTED
LICENSE NO. 8187.34

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes plus socks.
- Protective eyewear.

Follow the 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.

User Safety Recommendations

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. 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 washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with the terms of the label. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

Non-food Use: For use on ornamental plants only.

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 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:

- Long-sleeved shirt and long pants (or coveralls).
- Chemical resistant gloves (made of any waterproof material).
- Shoes plus socks.
- Protective eyewear.

GENERAL DIRECTIONS FOR USE ON ORNAMENTALS

Use only as directed. Read the label thoroughly and make sure it is understood before making applications. ConTego™ Pro SL reduces transpiration and delays wilting of ornamental plants caused by environmental stresses.

Application instructions:

- ConTego Pro SL contains the active ingredient S-Abscisic Acid, commonly known as S-ABA. S-ABA is a potent Plant Growth Regulator, a naturally occurring biochemical found in plants.
- Under drought conditions, endogenous S-ABA levels increase in leaves. S-ABA in turn signals stomata to close and thus reduces water loss and controls water usage by the plant. Similarly, exogenous application of S-ABA causes stomata to close, reduces water usage, and thus allows plants to conserve water. S-ABA significantly reduces transpiration and delays wilting of ornamental plants caused by environmental stress, resulting in more desirable plants.
- Undesired effects can result from any deviations from the label directions in the rates, timings, water volumes, or the adoption of untested spray mixes, when applying ConTego Pro SL.
- To prepare the treatment solution, add the required amount ConTego Pro SL to a clean spray tank about half-filled with the water. Agitate while bringing the total volume of water to the required level. Mix thoroughly with agitation and bypass circulation to completely mix the ConTego Pro SL, and then add surfactant. Discard any unused treatment solution at the end of each day following local, state or federal law.
- Best results will be achieved from applications during the cooler parts of the day, avoiding the hottest period of the day. To maximize absorption and optimize product effectiveness, apply ConTego Pro SL under slow drying conditions, e.g. early in the morning or in the evening (cool to warm temperatures, medium to high relative humidity, and no wind).
- Do not apply ConTego Pro SL to plants under stress (e.g. heat, water, disease and insect). Injured or stressed plants will show a reduced response to ConTego Pro SL or may show phytotoxicity.
- Do not overhead irrigate treated plants for at least 6 hours following application of ConTego Pro SL.

COMPATIBILITY WITH OTHER AGRICULTURAL PRODUCTS

Compatibility and performance data for ConTego Pro SL with other agricultural products is not available. Do not mix with other agricultural products except an adjuvant (surfactant) suitable for use on ornamental plants.

APPLICATIONS, RATES, AND TIMINGS ORNAMENTAL PLANTS

CROP	OBJECTIVE / BENEFIT	APPLICATION INSTRUCTIONS
Ornamental plants such as potted flowers, bedding, perennial, nursery and foliage plants. Although extensive testing has been conducted with ConTego Pro SL, not all varieties of ornamental plants have been evaluated. It is highly recommended that a small number of plants be tested for undesirable effects of ConTego Pro SL before treating a large number of plants.	For reduction of stress from lack of water and delay of wilting in production and post-production of ornamental plants. Contact Valent Corporation for more information.	**Spray Applications:** Apply up to 2.4 ounces of ConTego Pro SL per gallon as a foliar spray to fully hydrated plants at 2-3 quarts of final use solution /100 square feet. Ensure adequate coverage of the plant.

RECEIVED
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Pesticides Branch

Table 1: ConTego Pro SL - Dilution Table for ORNAMENTALS

PPM S-ABA Desired	Fluid Oz. Per Gallon	Fluid Oz. Per 10 Gallons	Milliliters Per Gallon	Milliliters Per 10 Gallons
125	0.15	1.5	4.8	48
250	0.3	3.0	9.5	95
500	0.6	6.0	19.0	190
1000	1.2	12.0	38.0	380
2000	2.4	24.0	76.0	760

FACTORS AFFECTING ORNAMENTAL PLANT RESPONSE TO ConTego Pro SL

S-ABA is a potent Plant Growth Regulator, a naturally occurring biochemical found in plants. S-ABA signals stomata to close and thus reduces water loss and controls water usage by the plant. S-ABA significantly reduces transpiration and delays wilting of ornamental plants caused by environmental stress, resulting in more desirable plants.

In addition to proper application technique, environmental and cultural factors will affect a plant's response to treatment with ConTego Pro SL.

Different varieties or cultivars within a given plant species may require a higher or lower rate of ConTego Pro SL to achieve the desired delay in wilting. For specific variety or cultivar information contact your Valent representative.

Temperature and humidity can be an important factor in a plant's response to ConTego Pro SL. Hot dry weather will result in a shorter duration of effect from S-ABA applications.

Apply in the morning or evening when conditions are best for slow drying of applied material, in order to ensure adequate absorption of the product.

Overhead irrigation within 6 hours after application will reduce product activity.

Use of Adjuvants: An adjuvant suitable for use on ornamental plants will likely increase ConTego Pro SL product uptake, efficacy and potential for negative effects. For optimal response, use ConTego Pro SL with Capsil at 6 ounces per 100 gallons.

Determining Optimal Rates: Optimal ConTego Pro SL rates will vary according to the desired wilt delay, growing conditions & practices, application technique, and environmental conditions. Different varieties or cultivars of the same species may respond differently to ConTego Pro SL. Therefore, to determine response levels and or phytotoxicity potential, treat a small number of plants (using application rates specified in Table 1) before applying ConTego Pro SL to a large number of plants. With increasing temperature and lower humidity consider using the higher rates within the range given in Table 1, remembering not to apply to plants that are already under stress.

DO NOT exceed the maximum stated rate from Table 1.

CHEMIGATION

Apply this product only through the following systems:

1) Overhead sprinklers, such as impact, micro-sprinklers, or booms.

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. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

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, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must 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. 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.

SPRINKLER AND SPRAY - IRRIGATION

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.

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

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Fill the supply tank with the desired amount of water. Then add the amount of ConTego Pro SL required in order to achieve the selected final use solution rate. Agitate the mixture of ConTego Pro SL frequently during the chemigation period to assure a uniform distribution throughout the system.

Apply ConTego Pro SL continuously for the duration of the water application but do not exceed maximum rates and volumes stated in Table 1. For overhead applications apply at a volume of 2 to 3 quarts of final use solution per 100 sq. ft.

STORAGE AND DISPOSAL

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

Pesticide Storage: Keep container tightly closed when not in use. Store product in a cool and dry place. Avoid extended storage conditions at temperatures above 25°C (77°F). Avoid exposure of product to light or sunlight.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available or puncture and dispose of the container in a sanitary landfill, or by other procedures approved by state and local authorities.

WARRANTY AND DISCLAIMER STATEMENT

To the fullest extent permitted by law, seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

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