



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 1, 2022

Ms. Eeleng Choong
Regulatory Manager
Valent BioSciences LLC
1910 Innovation Way, Suite 100
Libertyville, Ill. 60048

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – revising ingredient statement in sublabels A and B to include ounces; and adding “Not for use in California” and new crops
Product Name: ConTego™ SL Plant Growth Regulator Soluble Liquid
EPA Registration Number: 73049-493
Application Date: 02/07/2022
OPP Submission Number: 1081869
OPP Case Number: 00338919

Dear Ms. Choong:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims

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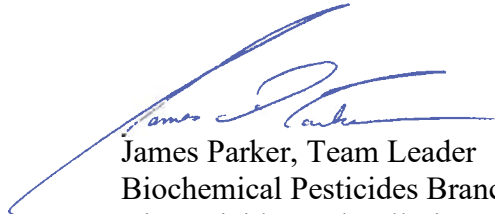
OPP Case No. 00338919

made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Nina Naimy via email at naimy.nina@epa.gov.

Sincerely,

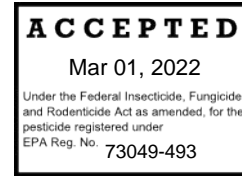
A handwritten signature in blue ink, appearing to read "James Parker", is written over a horizontal line.

James Parker, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

[Text in brackets [] indicates optional language or language intended for explanatory purposes to facilitate label review. Thus, this language will often not appear on final printed labeling. Also, this page is present (page 1) to delineate sublabels and will not appear on the final printed labeling.]

**ConTego™ SL
Plant Growth Regulator
Soluble Liquid**



[Alternate Brand Name: ConShape™ SL Plant Growth Regulator Soluble Liquid]

MASTER LABEL

Sub-label A: ConTego™ SL Plant Growth Regulator Soluble Liquid – For Use on Vegetable Crops

Sub-label B: ConShape™ SL Plant Growth Regulator Soluble Liquid – For Use on Christmas Trees, Ornamental Flowering and Potted Plants, Ornamental Nursery Stock and Perennial Trees Used for Ornamental Purposes

Active Ingredient

S-Absciscic Acid	10.0% w/w
Other Ingredients.....	90.0% w/w
Total.....	100.0% w/w

ConTego™ SL contains 10 g of S-Absciscic Acid per 100 ml of product.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See next panel for First Aid Information.

EPA Registration No. 73049-493
EPA Establishment No. 33762-IA-001

ConTego™ SL
Plant Growth Regulator
Soluble Liquid

[Sub-Label A]

Active Ingredient	
S-Absciscic Acid	10.0% w/w
Other Ingredients.....	90.0% w/w
Total.....	100.0% w/w

ConTego™ SL contains 0.35 oz (10 g) of S-Absciscic Acid per 3.38 fl. oz. (100 ml) of product
S-Absciscic acid, commonly known as S-ABA, is a growth regulator found in all plants

KEEP OUT OF REACH OF CHILDREN
CAUTION

See next panel for First Aid Information.

EPA Registration No. 73049-493
EPA Establishment No. 33762-IA-001

Registrant: :

Valent BioSciences LLC
1910 Innovation Way
Suite 100
Libertyville, IL 60048
1-847-968-4700

Net Contents: 68 oz. (2000 ml)

Batch Code:

FIRST AID	
If in Eyes	<ul style="list-style-type: none"> • 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.	

February 7, 2022

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

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

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical resistant gloves.
- 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

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. Do not contaminate water when disposing of equipment wash-water 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.

February 7, 2022

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:

- Coveralls.
- Chemical resistant gloves (made of any waterproof material).
- Shoes plus socks.
- Protective eyewear.

GENERAL DIRECTIONS FOR USE

Use only as directed. Read the label thoroughly and make sure it is fully understood before making applications. Applying ConTego SL Plant Growth Regulator Soluble Liquid (hereafter, referred to as ConTego SL) significantly reduces transpiration, delays wilting, reduces water requirements and usage, slows plant metabolism resulting in protection from environmental stresses, such as drought, chilling, and transplant shock. Under stress conditions, endogenous S-ABA levels increase in plants. S-ABA in turn signals stomata to close, thus reducing water loss, controlling water usage, as well as regulating other plant physiological processes reducing metabolism in plants. Exogenous application of S-ABA causes similar results, protecting the plant from upcoming environmental stress. Undesired effects can result from deviations from the label directions in the rates, timings, water volumes, or the adoption of untested spray mixtures when applying ConTego SL.

Application Instructions:

- The optimum usage rate of ConTego SL varies depending on the crop, the individual user's production situation and the desired final plant height and appearance. To ensure crop safety, spray a small area prior to large scale

application to determine the optimum ConTego SL rate, timing and frequency under your individual production situations.

- To prepare treatment solution, mix the required amount of product with the required amount of water in a clean container or spray tank. Discard any unused treatment solution at the end of each day following local, state or federal law.
- Use calibrated commercial or research spray equipment. Apply ConTego SL in a sufficient volume of water to ensure uniform, thorough, but not excessive coverage.
- For best results apply ConTego SL under slow drying conditions, e.g., early in the morning or in the evening, avoiding high temperatures, low relative humidity, and/or windy conditions.
- Do not apply ConTego SL to plants under stress (e.g., heat, water, disease or insect stress). ConTego SL may prevent injury but does not cure existing stress damage. Injured or stressed plants will show a reduced response to ConTego SL applications.
- Do not water or overhead irrigate treated plants for at least 6 hours following application of ConTego SL to ensure adequate drying and product absorption. Do not apply when rainfall is imminent.

FACTORS AFFECTING RESPONSE TO CONTEGO SL

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

Different varieties or cultivars within a given plant species may require a higher or lower rate of ConTego SL to achieve the desired reduction in stress response.

Temperature and humidity are important factors in a plant's response to ConTego SL. Higher temperatures and lower humidity will cause plants to dry more quickly than low temperatures and high humidity.

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 or rainfall within 6 hours after application will reduce product activity.

Determining Optimal Rates: Optimal ConTego SL rates will vary according to the desired reduction in stress response, growing conditions, cultural practices, application technique, and environmental conditions. Different varieties or cultivars of the same species may respond differently to ConTego 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 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, do not to apply to plants that are already under stress.

DO NOT exceed the maximum stated rate.

Use of Adjuvants: Use a non-ionic surfactant at the final adjuvant concentration directed by the adjuvant manufacturer. Use of an adjuvant will improve wetting and coverage. Use of an adjuvant may cause yellowing of leafy green vegetables.

COMPATIBILITY WITH OTHER AGRICULTURAL PRODUCTS

ConTego SL can be tank mixed with DiPel[®], BioBit[®] and XenTari[®] biological insecticides. Compatibility and performance data for ConTego SL with other agricultural products is not available.

Do not tank mix ConTego SL with compounds containing aluminum, copper or iron ions. Do not tank mix ConTego SL with any product unless compatibility had been verified. If considering tank mixing ConTego SL with other products use the following **compatibility jar test** before mixing a whole tank:

Add water from the same water source to a clear glass or plastic jar. Add the products in correct proportions. Mix thoroughly and let stand for a minimum of 15 minutes. Separation, gelling, precipitation or generation of heat are all signs of incompatibility.

Even if a mix passes the jar test for compatibility, it is imperative to test it on a designated small number of plants to evaluate for phytotoxicity and effectiveness.

Always read and follow all label directions and precautions of each product. When using combinations of products, the most restrictive of label limitations and precautions must be followed. Do not mix with any product that has a prohibition against tank mixing. For further information consult your Valent agricultural specialist at 1-800-6-VALENT (1-800-682-5368).

APPLICATIONS, RATES, AND TIMINGS

For Slowing of Plant Growth Prior To Transplanting

CROP	APPLICATION INSTRUCTIONS
<p><u>Cucurbit vegetables</u> such as cucumber, melon, grown for transplanting [Not for Use in California]</p>	<p>Greenhouse and covered area applications: Apply up to 1 fl oz (29 ml) of ConTego SL per gallon (up to 750 ppm S-ABA) as a foliar spray or through sprinkler irrigation (chemigation) in 2-10 quarts of spray mixture per 100 square feet. This application can be made up to 24 hours prior to shipping of the transplants when slowing of plant growth is desired. Increasing the volume of spray mixture will increase efficacy. Applications may start after the plant has reached the cotyledon stage and subsequent applications may be used to reduce the growth between internodes of the plant. Multiple (up to three) applications may be used during the greenhouse growing period to obtain the desired plant height. If multiple applications are made to transplants for controlling growth, the total amount of S-ABA may not exceed that from a single maximum label rate (750 ppm) application of ConTego SL.</p>
<p><u>Brassica vegetables</u> such as cabbage, broccoli, grown for transplanting [Not for Use in California]</p>	<p>Greenhouse and covered area applications: Apply up to 1 fl oz (29 ml) of ConTego SL per gallon (up to 750 ppm S-ABA) as a foliar spray or through sprinkler irrigation (chemigation) in 2-10 quarts of spray volume per 100 square feet. This application can be made up to 24 hours prior to shipping of the transplants when slowing of the plant growth is desired. Increasing the volume of spray mixture will increase efficacy.</p>

<p><u>Fruiting vegetables</u> such as tomato, pepper [Not for Use in California]</p>	<p>Greenhouse and covered area applications: Apply up to 2.6 fl oz (76 ml) of ConTego SL (up to 2000 ppm S-ABA) per gallon as a foliar spray or through sprinkler irrigation (chemigation) in 2-10 quarts of spray mixture per 100 square feet. This application can be made up to 24 hours prior to shipping of the transplants when slowing of plant growth is desired. Increasing the volume of spray mixture will increase efficacy. Applications may start after the plant has reached the cotyledon stage and subsequent applications may be used to reduce the growth between internodes of the plant. Multiple (up to three) applications may be used during the greenhouse growing period to obtain the desired plant height. If multiple applications are made to transplants for controlling growth, the total amount of S-ABA may not exceed that from a single maximum label rate (2000 ppm) application of ConTego SL.</p>
<p><u>Leafy vegetables and herbs</u> such as celery, spinach, lettuce, beet greens, fennel, basil [Not for Use in California]</p>	<p>Greenhouse and covered area applications: Apply up to 2.6 fl oz (76 ml) of ConTego SL (up to 2000 ppm S-ABA) per gallon as a foliar spray or through sprinkler irrigation (chemigation) in 2-10 quarts of spray volume per 100 square feet. This application can be made up to 24 hours prior to shipping of the transplants when slowing of the plant growth is desired. Increasing the volume of spray mixture will increase efficacy. Multiple (up to three) applications may be used during the greenhouse growing period to obtain the desired plant height. If multiple applications are made to transplants for controlling growth, the total amount of S-ABA may not exceed that from a single maximum label rate (2000 ppm) application of ConTego SL.</p>
<p>IMPORTANT: Foliar spray applications of ConTego SL may cause yellowing of the cotyledons and lower leaves in the days following application.</p> <p>Note: ConTego SL will normally reduce internode elongation for a period of 3-5 days following spray treatment, depending on crop culture, environmental conditions and plant growth habit. ConTego SL has the greatest effect on final plant height when applied during periods of rapid stem elongation. Multiple applications can be made as needed. If multiple applications are made, the total amount of S-ABA may not exceed that from a single application.</p>	

For Reducing “Transplant Shock”, Increasing Stress Tolerance, and Enhancing Crop Establishment

CROP	APPLICATION INSTRUCTIONS
<p><u>Cucurbit vegetables</u> such as cucumber, melon, grown for transplanting [Not for Use in California]</p>	<p>Greenhouse and covered area applications: Apply up to 1.3 fl oz (38 ml) of ConTego SL (up to 1000 ppm S-ABA) per gallon as a foliar spray or through sprinkler irrigation (chemigation) in 2-10 quarts of spray volume per 100 square feet. This application can be made from 24 to 72 hours prior to shipping of the transplants. Increasing the volume of spray mixture will increase efficacy.</p>
<p><u>Brassica vegetables</u> such as cabbage, broccoli, grown for transplanting [Not for Use in California]</p>	<p>Greenhouse and covered area applications: Apply up to 1.3 fl oz (38 ml) of ConTego SL (1000 ppm S-ABA) per gallon as a foliar spray or through sprinkler irrigation (chemigation) in 2-10 quarts of spray volume per 100 square feet. This application can be made from 24 to 72 hours prior to shipping of the transplants. Increasing the volume of spray mixture will increase efficacy.</p>
<p><u>Fruiting vegetables</u> such as tomato, pepper [Not for Use in California]</p>	<p>Greenhouse and covered area applications: Apply up to 2.6 fl oz (76 ml) of ConTego SL (2000 ppm S-ABA) per gallon as a foliar spray or through sprinkler irrigation (chemigation) in 2-10 quarts of spray volume per 100 square feet. This application can be made from 24 to 72 hours prior to shipping of the transplants. Increasing the volume of spray mixture will increase efficacy.</p>
<p><u>Leafy vegetables and herbs</u> such as celery, spinach, lettuce, beet greens, fennel basil [Not for Use in California]</p>	<p>Greenhouse and covered area applications: Apply up to 2.6 fl oz (76 ml) of ConTego SL (2000 ppm S-ABA) per gallon as a foliar spray or through sprinkler irrigation (chemigation) in 2-10 quarts of spray volume per 100 square feet. This application can be made from 24 to 72 hours prior to shipping of the transplants. Increasing the volume of spray mixture will increase efficacy.</p>
<p>IMPORTANT: Foliar spray applications of ConTego SL may cause yellowing of the cotyledons and lower leaves following application.</p> <p>Note: Application of ConTego SL will reduce growth rate of young plants.</p>	

For Increasing Stress Tolerance (e.g., Drought or Chilling), Slowing Crop Growth, Improving Crop Quality, and Harvest Management

CROP	APPLICATION INSTRUCTIONS
<p><u>Cucurbit vegetables</u> such as cucumber, melon (Field grown crops after transplanting or after seeding and emergence) [Not for Use in California]</p>	<p>Field applications: Apply 100-200 g S-ABA (34-68 fl oz ConTego SL) per acre as a spray solution in a sufficient volume to achieve uniform and complete coverage of the plants. In most cases, 100-150 g S-ABA (34-51 fl oz ConTego SL) per acre per application will provide satisfactory results. In situations where greater effect is desired, use the higher S-ABA rate. Spray volumes ranging from 25-50 gallons per acre have been shown to be most effective when applied under slow drying conditions. Multiple (up to three) applications may be used to obtain the desired stress tolerance or plant height. If multiple applications are made, the total amount of S-ABA may not exceed that from a single maximum label rate application of ConTego SL. Make first application to young plants in the field within four days (96 hours) after transplanting. Apply to field seeded crops after emergence. Reapply as needed four hours to four days (96 hours) prior to stress events such as chilling.</p>
<p><u>Brassica vegetables</u> such as cabbage (Field grown crops after transplanting or after seeding and emergence) [Not for Use in California]</p>	<p>Field applications: Apply 100-200 g S-ABA (34-68 fl oz ConTego SL) per acre as a spray solution in a sufficient volume to achieve uniform and complete coverage of the plants. In most cases, 100-150 g S-ABA (34-51 fl oz ConTego SL) per acre per application will provide satisfactory results. In situations where greater effect is desired, use the higher S-ABA rate. Spray volumes ranging from 25-50 gallons per acre have been shown to be most effective when applied under slow drying conditions. Multiple (up to three) applications may be used to obtain the desired stress tolerance or plant height. If multiple applications are made, the total amount of S-ABA may not exceed that from a single maximum label rate application of ConTego SL. Make first application to young plants in the field within four days (96 hours) after transplanting. Apply to field seeded crops after emergence. Reapply as needed four hours to four days (96 hours) prior to stress events such as chilling.</p>

<p><u>Fruiting vegetables</u> such as tomato, pepper [Not for Use in California]</p>	<p>Field applications: Apply 200-400 g S-ABA (68-139 fl oz ConTego SL) per acre as a spray solution in a sufficient volume to achieve uniform and complete coverage of the plants. In most cases, 200-300 g S-ABA (68-102 fl oz ConTego SL) per acre per application will provide satisfactory results. In situations where greater effect is desired, use the higher S-ABA rate. Spray volumes ranging from 25-50 gallons per acre have been shown to be most effective when applied under slow drying conditions. Multiple (up to three) applications may be used to obtain the desired stress tolerance or plant height. If multiple applications are made, the total amount of S-ABA may not exceed that from a single maximum label rate application of ConTego SL. Make first application to young plants in the field within four days (96 hours) after transplanting. Apply to field seeded crops after emergence. Reapply as needed four hours to four days (96 hours) prior to stress events such as chilling.</p>
<p><u>Leafy vegetables and herbs</u> such as celery, spinach, lettuce, beet greens, fennel, basil [Not for Use in California]</p>	<p>Field applications: Apply up to 150 g S-ABA (51 fl oz ConTego SL) per acre as a spray solution in a sufficient volume to achieve uniform and complete coverage of the plants. In most cases, 75-100 g S-ABA (26-34 fl oz ConTego SL) per acre per application will provide satisfactory results. In situations where greater effect is desired, use the higher S-ABA rate. Spray volumes ranging from 25-50 gallons per acre have been shown to be most effective when applied under slow drying conditions. Multiple (up to two) applications may be used to obtain the desired stress tolerance or plant height; applications must be made at least 96 hours apart. If multiple applications are made, the total amount of S-ABA may not exceed that from a single maximum label rate application of ConTego SL. Slowing of crop growth will last for a period of three to five days depending upon the crop, application rate and environmental conditions at the time of application.</p>
<p>IMPORTANT: Foliar spray applications of ConTego SL may cause yellowing of the cotyledons and lower leaves following application. Not recommended for use on Tatsoi and Arugula.</p>	

Table 1: ConTego SL Dilution Table				
PPM S-ABA Desired	Fluid Oz. Per Gallon	Fluid Oz. Per 10 Gallons	Milliliters Per Gallon	Milliliters Per 10 Gallons
125	0.16	1.6	4.8	48
250	0.3	3.3	9.5	95
500	0.7	6.5	19.0	190
1000	1.3	13.0	38.0	380
2000	2.6	26.0	76.0	760

CHEMIGATION

Apply this product only through the following systems:

- 1) Spray, such as hand-held or machine-operated calibrated equipment (for field and greenhouse and covered area applications),
- 2) Overhead sprinklers, such as impact, micro-sprinklers, or booms (for greenhouse and covered area applications only).

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.

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.

SPRAY AND SPRINKLER 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 SL required in order to achieve the selected final use solution rate. Agitate the mixture of ConTego SL frequently during the chemigation period to assure a uniform distribution throughout the system. Apply ConTego SL continuously for the duration of the water application but do not exceed maximum rates and volumes stated in Table 1.

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 Disposal

Non-refillable 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 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.

BioBit[®], DiPel[®] and XenTari[®] are registered trademarks of Valent BioSciences LLC

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**ConTego™ SL
Plant Growth Regulator
Soluble Liquid**

[Alternate Brand Name: ConShape™ SL Plant Growth Regulator Soluble Liquid]

[Sub-Label B]

**FOR USE ON CHRISTMAS TREES, ORNAMENTAL FLOWERING AND POTTED PLANTS,
ORNAMENTAL NURSERY STOCK, AND PERENNIAL TREES USED FOR ORNAMENTAL
PURPOSES**

Active Ingredient	
S-Absciscic Acid	10.0% w/w
Other Ingredients.....	90.0% w/w
Total.....	100.0% w/w

ConTego™ SL contains 0.35 oz (10 g) of S-Absciscic Acid per 3.38 fl. oz. (100 ml) of product

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See next panel for First Aid Information.

EPA Registration No. 73049-493
EPA Establishment No. 33762-IA-001

Registrant:
Valent BioSciences LLC
1910 Innovation Way, Suite 100
Libertyville, IL 60048
1-847-968-4700

Net Contents: 68 oz. (2000 ml)
Batch Code:

FIRST AID	
If in Eyes	<ul style="list-style-type: none"> • 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 866-476-7800.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

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

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical resistant gloves.
- 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

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. Do not contaminate water when disposing of equipment wash-water 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.

February 7, 2022

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:

- Coveralls.
- Chemical resistant gloves (made of any waterproof material).
- Shoes plus socks.
- Protective eyewear.

GENERAL DIRECTIONS FOR USE

Use only as directed. Read the label thoroughly and make sure it is fully understood before making applications. ConTego SL is a growth regulator that contains S-Abcisic acid (S-ABA). S-ABA is a phytohormone found naturally in plants. Undesired effects can result from deviations from the label directions in the rates, timings, water volumes, or the adoption of untested spray mixtures when applying ConTego SL.

FACTORS AFFECTING RESPONSE TO CONTEGO SL

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

Temperature and humidity are important factors in plant's response to ConTego SL. Higher temperatures and lower humidity will cause applications to dry more quickly than low temperatures and high humidity and may reduce product performance.

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

Rainfall within 6 hours after application will reduce product activity.

Do not apply ConTego SL to plant's under stress (e.g., heat, water, disease, or insect stress). Injured or stressed trees may show an undesirable response to ConTego SL applications.

Determining Optimal Rates: Optimal ConTego SL rates will vary according to the desired reduction in growth response, growing conditions, cultural practices, application technique, and environmental conditions. Different species may respond differently to ConTego SL. Therefore, to determine response levels and/or phytotoxicity potential, treat a small number of plants (using application rates specified in Table 1 and Table 2) before applying ConTego SL to a large number of plants. DO NOT exceed the maximum stated rate.

COMPATIBILITY WITH OTHER AGRICULTURAL PRODUCTS

ConTego SL can be tank mixed with DiPel®, BioBit® and XenTari® biological insecticides. Compatibility and performance data for ConTego SL with other agricultural products is not available.

Do not tank mix ConTego SL with compounds containing aluminum, copper, or iron ions. Do not tank mix ConTego SL with any product unless compatibility had been verified. If considering tank mixing ConTego SL with other products use the following **compatibility jar test** before mixing a whole tank:

Add water from the same water source to a clear glass or plastic jar. Add the products in correct proportions. Mix thoroughly and let stand for a minimum of 15 minutes. Separation, gelling, precipitation, or generation of heat are all signs of incompatibility.

Even if a mix passes the jar test for compatibility, it is imperative to test it on a designated small number of trees to evaluate for phytotoxicity and effectiveness.

Always read and follow all label directions and precautions of each product. When using combinations of products, the most restrictive of label limitations and precautions must be followed. Do not mix with any product that has a prohibition against tank mixing. For

further information consult your local Mycorrhizal Applications Representative (866-476-7800) for specific information regarding the use of this product.”

APPLICATIONS, RATES, AND TIMINGS

1. For Reducing the Growth of the Terminal Leader in Conifers (Christmas trees and other conifers)

CROP	OBJECTIVE/BENEFIT	APPLICATION INSTRUCTIONS
<p>Conifers (<i>Pinaceae</i> family) Trees and Shrubs</p> <p>[Not for Use in California]</p>	<p>Reducing the growth of the terminal or auxillary leader.</p>	<p>For Christmas trees, use when the terminal leader has reached a length of 8 to 12 inches (20-30 cm) on 4-12 year old trees. For non-Christmas tree <i>Pinaceae</i> conifers, use when terminal or auxillary leaders have almost reached desired length.</p> <p>Apply 11.2 – 44.8 fl. oz (100 - 400 ml per liter) ConTego SL per gallon of water. Refer to Table 1 for mixing directions. The application should be done with a roller ("Easy Roller") or a similar device, or using a directed spray to the leader. The roller is placed near the base of the leader and moved up in a single continuous upward motion only. Uniform application should be ensured to provide complete coverage of the leader and to prevent run-off of the solution.</p>

Application Instructions:

- The optimum usage rate of ConTego SL varies depending on the species, the individual user’s production situation and the desired final plant height and appearance. To ensure crop safety, apply a small area prior to large scale application to determine the optimum ConTego SL rate, timing, and frequency under your individual production situations.
- To prepare treatment solution, mix the required amount of product with the required amount of water in a clean container or spray tank. Discard any

unused treatment solution at the end of each day following local, state, or federal law.

- Different species may require a higher or lower rate of ConTego SL to achieve the desired reduction in growth response.
- Apply ConTego SL only to the leader using calibrated commercial application equipment in a sufficient volume of water to ensure uniform, thorough, but not excessive coverage.
- Application of ConTego SL without surfactant provides sufficient efficacy for leader control. A nonionic surfactant suitable for use on conifers will likely increase ConTego SL product uptake, efficacy, and potential for negative effects. When determining the application rate of ConTego SL, consider that the use of surfactants will increase the absorption of S-ABA and thus the activity of the product.

Table 1: ConTego SL Dilution Table for Use on Conifers				
PPM S-ABA Desired	Amount to make one liter of solution		Amount to make one gallon of solution	
	Product (ml)	Water (ml)	Product (fl. oz)	Water (fl. oz)
10,000	100	900	11.2	116.8
20,000	200	800	22.4	105.6
30,000	300	700	33.6	94.4
40,000	400	600	44.8	83.2

2. For Stress Mitigation (e.g., Drought, Chilling) in Ornamental Flowering and Potted Plants

CROP	OBJECTIVE/BENEFIT	APPLICATION INSTRUCTIONS
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<p>Ornamental Flowering and Potted Plants: Chrysanthemums, Impatiens, New Guinea Impatiens, Petunia and Poinsettia [Not for Use in California]</p>	<p>For reduction of stress from lack of water and delay of wilting in production and post-production of ornamental plants.</p>	<p>Apply up to 1,000 ppm S-ABA as a single foliar spray to fully hydrated plants at 2-3 quarts of final use solution per 100 square feet of bench space. In most cases, 250-500 ppm S-ABA provides sufficient efficacy for stress mitigation under drought conditions. Ensure adequate coverage of the plant.</p>
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Application Instructions:

- 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 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). Avoid application over heavy dew as excessive run-off may occur.
- Do not apply ConTego SL to plants under stress (e.g., heat, water, disease, and insect). Injured or stressed plants will show a reduced response to ConTego SL or may show phytotoxicity.
- S-ABA reduces transpirational water loss and thus regulates water use under drought stress conditions by causing the closure of stomata. Do not apply ConTego SL to plants that are or known to be exposed to excessive heat (95-100 F or above). Under these conditions reduced transpiration may lead to overheating of the plant and cause phytotoxicity.
- Do not overhead irrigate treated plants for at least 6 hours following application of ConTego SL.
- Leaf yellowing, reddening, chlorosis, flower senescence or flower drop may occur at high application rates for some cultivars in genus Chrysanthemum, Impatiens and Petunia. High rates of ConTego SL may cause changes in flower petal colors in Petunia.
- Although extensive testing has been conducted with ConTego SL, not all varieties of ornamental plants have been evaluated under all potential environmental conditions. It is highly recommended that a small number of plants be tested for undesirable effects of ConTego SL before treating large number of plants.
- First time users of ConTego SL should always conduct trials on a limited number of plants to determine crop response.
- A nonionic surfactant suitable for use on ornamental plants will likely increase ConTego SL product uptake, efficacy, and potential for negative effects. The use of surfactants will increase the absorption of S-ABA and thus the activity of the product. For instance, for optimal response, use ConTego with Capsil at 6 ounces per 100 gallons.

- Product performs best at water pH 5 to 7; do not exceed pH 8.5.
- For further information consult your Mycorrhizal Application Horticultural Specialist.

3. For Reducing “Transplant Shock” and Enhancing Plant Establishment

CROP	OBJECTIVE/BENEFIT	APPLICATION INSTRUCTIONS
Annual and Perennial Ornamental Plants [Not for Use in California]	For Reducing “Transplant Shock” and Enhancing Plant Establishment	Apply up to 1.3 fl oz (38 ml) of ConTego SL (up to 1000 ppm S-ABA) per gallon as a foliar spray or through sprinkler irrigation (chemigation) in 2-10 quarts of spray volume per 100 square feet. This application can be made from 24 to 72 hours prior to shipping of the transplants. Increasing the volume of spray mixture will increase efficacy.

Application Instructions:

- 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 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). Avoid application over heavy dew as excessive run-off may occur.
- Do not apply ConTego SL to plants under stress (e.g., heat, water, disease, and insect). Injured or stressed plants will show a reduced response to ConTego SL or may show phytotoxicity.
- S-ABA reduces transpirational water loss and thus regulates water use under drought stress conditions by causing the closure of stomata. Do not apply ConTego SL to plants that are or known to be exposed to excessive heat (95-100 F or above). Under these conditions reduced transpiration may lead to over-heating of the plant and cause phytotoxicity.
- Do not overhead irrigate treated plants for at least 6 hours following application of ConTego SL.
- Leaf yellowing, reddening, chlorosis, flower senescence or flower drop may occur at high application rates for some cultivars in genus Chrysanthemum, Impatiens and Petunia. High rates of ConTego SL may cause changes in flower petal colors in Petunia.
 - Although extensive testing has been conducted with ConTego SL, not all varieties of ornamental plants have been evaluated under all potential environmental

conditions. It is highly recommended that a small number of plants be tested for undesirable effects of ConTego SL before treating large number of plants.

- First time users of ConTego SL should always conduct trials on a limited number of plants to determine crop response.
- A nonionic surfactant suitable for use on ornamental plants will likely increase ConTego SL product uptake, efficacy, and potential for negative effects. The use of surfactants will increase the absorption of S-ABA and thus the activity of the product. For instance, for optimal response, use ConTego with Capsil at 6 ounces per 100 gallons.
- Product performs best at water pH 5 to 7; do not exceed pH 8.5.
- For further information consult your Mycorrhizal Application Horticultural Specialist.

4. For Defoliation of Ornamental Nursery Stock

CROP	OBJECTIVE/BENEFIT	APPLICATION INSTRUCTIONS
Perennial Ornamental Nursery Stock [Not for Use in California]	Acceleration of leaf drop before dormancy.	Apply 250-1,000 ppm S-ABA as a single foliar spray or in combination with other defoliating chemicals in late fall before the onset of dormancy when defoliation is required. Generally, one application is sufficient for defoliation of ornamental nursery stock. If a second application is required to obtain additional leaf abscission, allow for 7-14 days to observe the effect of the first application. Use sufficient spray volume (50-200 gal/A) to ensure complete plant coverage.

Application Instructions:

- ConTego SL has been shown to improve the effectiveness of other defoliating agents when applied in a tank mix. Avoid application over heavy dew as excessive run-off may occur.
- Apply product in a sufficient amount of water to ensure thorough coverage without excessive run-off. Use calibrated spray equipment to ensure uniform coverage of leaves. Adjust water volumes based on plant size and spacing. Hydraulic sprayers equipped with drop nozzles are recommended for use in nursery defoliation.
- Addition of nonionic surfactants can improve efficacy of defoliation.
- Frost event(s) following applications of ConTego SL will increase the level of defoliation.

- Product performs best at water pH 5 to 7; do not exceed pH 8.5.
- For further information consult your Mycorrhizal Application Horticultural Specialist.
- Do not apply ConTego SL if rainfall is forecasted in 6 hours following product application.

5. Removal of Undesired Fruit from Perennial Trees Used for Ornamental Purposes

CROP	OBJECTIVE/BENEFIT	APPLICATION INSTRUCTIONS
Perennial Trees Used for Ornamental Purposes (e.g., flowering pear, flowering apple) [Not for Use in California]	Removal of undesired (nuisance) fruit from tree due to aesthetic reasons, smell, and/or to increase return bloom.	Apply 100-500 ppm S-ABA as a foliar spray where the presence of fruit is undesired after flowering. Apply ConTego SL when fruitlets are young and small, normally not later than 3 weeks after flowering. Generally, one application is sufficient to remove undesired fruit. If a second application is required to obtain additional fruit removal, allow 7-10 days to observe the effect of the first application. Use sufficient spray volume to ensure complete tree coverage.

Application Instructions:

- Apply ConTego SL in the morning or evening when conditions are best for slow drying (cooler temperatures and higher humidity), in order to ensure adequate absorption of the product. Avoid application over heavy dew as excessive run-off may occur.
- Exercise caution when applying product in urban public areas.
- Air temperature during application should not exceed 85 F.
- Product performs best at water pH 5 to 7; do not exceed pH 8.5.
- Apply in a sufficient amount of water to ensure thorough coverage without run-off.
- Temperatures and weather conditions during application and the following 2 – 3 days can affect product performance.
- For best results, apply when the weather forecast calls for either or both of the following conditions: 2-3 consecutive days of significant cloud cover; and/or 2-3 consecutive days of daytime high temperatures of at least mid-70's F.

- Use of a nonionic surfactant at the manufacturer recommended rate can enhance product performance and may increase phytotoxicity.
- ConTego SL has been shown to be highly synergistic with other thinning agents. Use caution if tank mixing with any other thinning products as over-thinning may result.
- Use of ConTego SL may result in leaf yellowing and/or leaf drop.
- For further information consult your Mycorrhizal Application Horticultural Specialist.

Table 2: ConShape SL Dilution Table for Use on Ornamental Flowering and Potted Plants, Ornamental Nursery Stock, and Perennial Trees Used for Ornamental Purposes

PPM S-ABA Desired	Fluid Oz. Per Gallon	Fluid Oz. Per 10 Gallons	Milliliters Per Gallon	Milliliters Per 10 Gallons
100	0.16	1.6	4.8	48
250	0.3	3.3	9.5	95
500	0.7	6.5	19.0	190
1,000	1.3	13.0	38.0	380

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 Disposal

Non-refillable 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 container ¼ full of 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

February 7, 2022

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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