



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 30, 2023

Ms. April Matute
Documentation Specialist
Valent BioSciences LLC
1910 Innovation Way, Suite 100
Libertyville, Ill. 60048

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 – Updating distributor address; adding alternate brand name
Product Name: Accede SG
EPA Registration Number: 73049-530
EPA Receipt Date: 02/27/2023
Action Case Number: 00439655

Dear Ms. Matute:

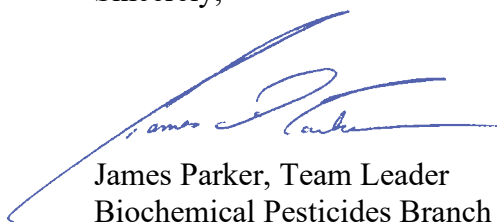
The U.S. Environmental Protection Agency (EPA) is in receipt of your application for notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Biopesticides and Pollution Prevention Division (BPPD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10.

The labeling submitted with this application has been stamped “Notification” and will be placed in our records. The alternate brand name: VBC-30452 has been added to the product’s records. You must submit one (1) copy of the final printed labeling with the modifications.

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 the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the 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 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 statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA’s Office of Enforcement and Compliance Assurance.

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 long, sweeping horizontal line that extends to the left.

James Parker, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511M)
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.]

**ACCEDE SG
PLANT GROWTH REGULATOR
Soluble Granule**

NOTIFICATION

73049-530
The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:
03/30/2023

[Alternate Brand Names: VBC-30452]

For Use on Apple and Stone Fruit

Active Ingredient:

1-aminocyclopropanecarboxylic acid (ACC)	40.0% w/w
Other Ingredients	60.0% w/w
Total	100.0% w/w

EPA Reg. No. **73049-530**
 Registrant: Valent BioSciences LLC
 1910 Innovation Way, Suite 100
 Libertyville, IL 60048
 1-800-6-VALENT

EPA Est. No.
 Distributor: Valent U.S.A. LLC
 P.O. Box **50758025**
San Ramon Walnut Creek, Calif. 9458396

Net Weight: 10oz., 15 oz., 20 oz., 25oz, 30oz, or 40oz.

Accede SG is a soluble granule containing 4oz. active ingredient 1-aminocyclopropanecarboxylic acid (ACC) in every 10oz net content bottle

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID	
If swallowed	--Call a poison control center or doctor for treatment advice. -- Do not induce vomiting unless told to do so by a poison control center or doctor -- Do not give anything by mouth to an unconscious person
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 contact 1-800-892-0099 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-6-Valent.	

PLEASE SEE ATTACHED APPLICATION GUIDE FOR COMPLETE PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to Supplemental Labeling under "AGRICULTURAL USE REQUIREMENTS" in the DIRECTIONS FOR USE section for information about this standard.

Made in U.S.A.

APPLICATION GUIDE

**ACCEDE SG
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Soluble Granule**

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[Alternate Brand Names: VBC-30452]

Active Ingredient:

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CAUTION**

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

CAUTION

Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. 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)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

- Waterproof gloves

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

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if the pesticide gets inside. Then, wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

Do not apply directly to water, 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 its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State/Tribal 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 in this labeling 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 12 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
- Waterproof gloves
- Shoes plus socks

GENERAL INFORMATION

Accede SG Plant Growth Regulator Soluble Granule (hereafter referred to as Accede SG) contains 40.0% (wt/wt) 1-aminocyclopropanecarboxylic acid, commonly known as ACC. ACC is a potent plant growth regulator. ACC is a precursor for ethylene production in plant tissues. Ethylene affects plant processes such as flower development, fruit set, fruit maturation, fruit ripening, and fruit abscission.

IMPORTANT: Before application, read all use directions thoroughly. Use Accede SG only as directed. For specific information on the best use practices for your location, consult with your Valent Agricultural Specialist (1-800-6-Valent).

GENERAL APPLICATION INSTRUCTIONS

IMPORTANT

- Do not apply this product through any type of irrigation system.
- Accede SG rate will depend on the amount of fruit thinning required. Product performance can be impacted by factors such as cultivar, prevailing and anticipated climactic conditions, tree vigor, fruit set potential and orchard history.
- Not all varieties and clones have been individually tested for crop safety under all environmental conditions and growing circumstances.
- On tree crops, apply Accede SG in sufficient water to ensure that flowers, fruits, and foliage receive thorough spray coverage using calibrated spray equipment. Adjust water volumes based on plant size and spacing. However, excessive spray application volumes resulting in spray runoff will reduce product efficacy.
- Prepare spray solution by mixing the required amount of product with water in a clean, empty spray tank. Dispose of any unused spray material at the end of each day.
- Avoid applications during the heat of the day. In order to maximize absorption, apply Accede SG under slow drying conditions, e.g., early in the morning or at night.
- Maintain solution pH between 5 and 8.
- Do not apply Accede SG to injured or stressed plants or fruits e.g., drought stress, freeze injury, girdled trees, etc.
- Do not use overhead cooling or irrigation equipment for at least 8 hours following **Accede SG VBC-30445** application.
- Do not apply Accede SG if rain is expected within 8 hours of application.

COMPATIBILITY WITH OTHER AGRICULTURAL PRODUCTS

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor, to the extent allowed by applicable law. Read and follow the entire label of each product to be used in the tank mix with this product. When using combinations of products, the most restrictive of label limitations and precautions must be followed. Do not mix with any pesticide that has a prohibition against tank mixing.

For further information consult your Valent Agricultural Specialist (1-800-6 Valent).

APPLE – FOR FRUIT THINNING

CROP	OBJECTIVE / BENEFIT:	APPLICATION TIMING/ USE INSTRUCTIONS
Apple	<p>Depending on cultivar, orchard conditions, application timing, and grower objectives, one or more of the following benefits will be associated with Accede</p> <ul style="list-style-type: none"> • Fruit thinning • Enhanced return bloom 	<p>Apply 6.7 to 13.4 oz Accede SG per acre (equivalent to 2.67 to 5.34 oz a.i. per acre or 200 to 400 ppm ACC assuming a spray volume of 100 gallons per acre) using sufficient spray volume to ensure complete tree coverage (refer to the dilution table for assistance).</p> <p>Accede SG can be applied in the period from full bloom until the average diameter of the king fruitlets is 25 mm. Accede SG is most active when king fruitlet diameter is 15-20 mm.</p>
<p>Note: Direct 80% of the spray into the upper 2/3rd of the tree canopy. Use higher rates in orchards that have a history of being difficult to thin, in varieties known to be difficult to thin, and in cool weather situations. Use Accede in a program with other thinning products. Consider reducing the rate of application if temperatures are expected to exceed 90°F on the day of application. Allow 7-10 days to observe the effect of any thinning product before making another application. For specific information on the best use practices for your location, consult with your Valent Agricultural Specialist (1-800-6-Valent).</p>		
<p>Water Volume: Accede SG efficacy requires that fruit and foliage receive thorough spray coverage. To ensure thorough coverage adjust water volumes based on tree size and spacing and use calibrated spray equipment (i.e., orchard air blast sprayer). Excessive spray application volumes that result in spray runoff will reduce product performance. In most cases, 100 gallons per acre has been shown to be effective.</p>		

Adjuvants: Use of a non-ionic surfactant with Accede SG- will improve performance and response.

Additional Notes:

- **Compatibility and performance data for Accede SG with other agricultural products are not available.**
- **Application of Accede SG to stressed trees or when temperatures are above 90 F may result in minor leaf yellowing or leaf drop.**
- **Do not apply Accede SG during bloom if there is a frost at this time. If frost occurs during bloom, wait until damage to flowers and buds can be assessed to determine if application of Accede SG is needed for additional thinning.**

STONE FRUIT CROP GROUP 12 – FOR FRUIT THINNING

CROP	OBJECTIVE / BENEFIT:	APPLICATION TIMING/ USE INSTRUCTIONS
Nectarine, Peach,	<p>Depending on cultivar, orchard conditions, application timing, and grower objectives, the following benefits will be associated with Accede</p> <ul style="list-style-type: none"> • Fruit thinning 	<p>Apply 10 to 20 oz of Accede SG per acre (equivalent to 4.0 to 8.0 oz a.i. per acre or 300 to 600 ppm ACC assuming a spray volume of 100 gallons per acre) using sufficient spray volume to ensure complete tree coverage (refer to the dilution table for assistance).</p> <p>Accede SG rate will depend on the amount of fruit thinning required. Product performance can be impacted by factors such as cultivar, prevailing and anticipated climactic conditions, tree vigor, fruit set potential and orchard history.</p> <p>Accede SG can be applied from the pink bud stage to petal fall.</p> <p>Do not apply Accede SG prior to pink bud stage. In order to achieve the proper timing, targeting sprays between the upper and lower tree canopy may be necessary.</p> <p>Make the first application of Accede SG from pink bud to full bloom. Make a second application 3-10 days later if necessary. Do not exceed a total of 8.0 oz a.i. per acre (20 oz Accede per acre, equivalent to 600 ppm ACC assuming a spray volume of 100 gallons per acre) in a single application</p> <p>Do not apply Accede SG after petal fall.</p> <p>Do not apply when frost is expected.</p>

<p>Apricot [Not For Use in California]</p> <p>Sweet and Tart Cherry, [Plum], Chickasaw plum, Damson Plum, Japanese plum, Plumcot, Fresh Prune [Not For Use in California]</p>	<p>Depending on cultivar, orchard conditions, application timing, and grower objectives, the following benefits will be associated with Accede</p> <ul style="list-style-type: none"> • Fruit thinning 	<p>Apply 3.35 to 20.0oz Accede SG per acre (equivalent to 1.34 to 8.0 oz a.i. per acre or 100 to 600 ppm ACC assuming a spray volume of 100 gallons per acre) using sufficient spray volume to ensure complete tree coverage (refer to the dilution table for assistance).</p> <p>Accede SG rate will depend on the amount of fruit thinning required. Product performance can be impacted by factors such as cultivar, prevailing and anticipated climactic conditions, tree vigor, fruit set potential and orchard history.</p> <p>Accede SG can be applied from the pink bud stage to petal fall.</p> <p>Do not apply Accede SG prior to pink bud stage. In order to achieve the proper timing, targeting sprays between the upper and lower tree canopy may be necessary.</p> <p>Make the first application of Accede SG from pink bud to full bloom. Make a second application 3-10 days later if necessary. Do not exceed a total of 8.0 oz a.i. per acre (20 oz Accede SG per acre, equivalent to 600 ppm ACC assuming a spray volume of 100 gallons per acre) in a single application</p> <p>Do not apply Accede SG after petal fall.</p> <p>Do not apply when frost is expected.</p>
<p>Note: Direct 80% of the spray into the upper 2/3rd of the tree canopy. Use higher rates in orchards that have a history of being difficult to thin and in varieties known to be difficult to thin. Do not apply Accede if temperatures are expected to fall below 32° F or exceed 90° F on the day of application. For specific information on the best use practices for your location, consult with your Valent Agricultural Specialist (1-800-6-Valent).</p>		
<p>Water Volume: Accede SG efficacy requires that fruit and foliage receive thorough spray coverage. To ensure thorough coverage adjust water volumes based on tree size and spacing and use calibrated spray equipment (i.e. orchard air blast sprayer). Excessive spray application volumes that result in spray runoff will reduce product performance. In most cases, 100 gallons per acre has been shown to be effective.</p>		
<p>Adjuvants: Use of a non-ionic surfactant with Accede SG will improve performance and response.</p>		

Additional Notes:

- **Compatibility and performance data for Accede SG with other agricultural products are not available.**
- **Application of Accede SG to stressed trees or when temperatures are above 90 F or below 32 F may result in over thinning and leaf yellowing or leaf drop.**
- **Do not apply Accede SG during bloom if there is a frost at this time. If frost occurs during bloom, wait until damage to flowers and buds can be assessed to determine if application of Accede SG is needed for additional thinning.**
- **Do not apply Accede SG to injured or stressed plants or fruit e.g. girdled trees, freeze injury etc.**

Accede SG Dilution Table

Ounces of Accede per 100 gallons of spray required to obtain given ppm concentration.

100 ppm	150 ppm	200 ppm	300 ppm	400 ppm	500 ppm	600 ppm
3.35	5.0	6.70	10.0	13.4	16.8	20.0

Note: Accede SG contains ~~113.4~~ grams active ingredient per ~~10~~ ounces.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry location.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse 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 the 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.

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. If recycling is not available puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke

**DISCLAIMER, RISKS OF USING THIS PRODUCT,
LIMITED WARRANTY
AND LIMITATION OF LIABILITY**

IMPORTANT: Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

RISKS OF USING THIS PRODUCT

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product, which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment, and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

TO THE FULLEST EXTENT ALLOWED BY LAW, Valent BioSciences shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

LIMITED WARRANTY

Valent BioSciences warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label **and subject to the Risks of Using This Product as described above. To the extent consistent with applicable law AND AS SET FORTH ABOVE, VALENTBIOSCIENCES MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED.** No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

LIMITATION OF LIABILITY

To the fullest extent allowed by law, Valent BioSciences or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. **TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

PROMPT NOTICE OF CLAIM

Valent BioSciences must be provided with prompt notice of any claim so that an immediate inspection of the affected property or plants can be made. To the extent applicable law allows such requirement, notice of a claim shall be given promptly to Valent, whether the claim is based on contract, negligence, strict liability, or other tort or otherwise be barred from any remedy.

NO AMENDMENTS

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

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