



Active Ingredient:

1-aminocyclopropanecarboxylic acid (ACC) 10.0%

Other Ingredients 90.0%

Total 100.0%

EPA Reg. No. 73049-517

EPA Est. No. 33762-IA-001

List No. A560230-04-02

A50410680/R1

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2.2 Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Shoes plus socks.

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.

2.3 User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if 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.

2.4 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.

3.0 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.

4.0 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.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID	
1.0 If swallowed	<ul style="list-style-type: none"> • 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.
HOTLINE 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.	

2.0 PRECAUTIONARY STATEMENTS

**2.1 HAZARD 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.

5.0 GENERAL INFORMATION

Accede™ Plant Growth Regulator Liquid Concentrate (hereafter referred to as *Accede*) contains 10.0% (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* only as directed. For specific information on the best use practices for your location, consult with your Valent Agricultural Specialist (1-800-6-Valent).

6.0 GENERAL APPLICATION INSTRUCTIONS

IMPORTANT

- Do not apply this product through any type of irrigation system.
- *Accede* 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* 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. For best results, apply *Accede* under slow drying conditions, e.g., early in the morning or at night in order to maximize absorption.
- Maintain solution pH between 5 and 8.
- Do not apply *Accede* 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* application.
- Do not apply *Accede* 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	Depending on cultivar, orchard conditions, application timing, and grower objectives, one or more of the following benefits will be associated with <i>Accede</i> : <ul style="list-style-type: none"> • Fruit thinning • Enhanced return bloom 	Apply 23 to 46 fl oz <i>Accede</i> 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). <i>Accede</i> can be applied in the period from full bloom until the average diameter of the king fruitlets is 25 mm. <i>Accede</i> is most active when king fruitlet diameter is 15-20 mm.

NOTE: Direct 80% of the spray into the upper 2/3 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).

Water Volume: *Accede* 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.

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

Additional Notes:

- **Compatibility and performance data for *Accede* with other agricultural products are not available.**
- **Application of *Accede* to stressed trees or when temperatures are above 90°F may result in minor leaf yellowing or leaf drop.**
- **Do not apply *Accede* 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* is needed for additional thinning.**

STONE FRUIT (CROP GROUP 12) – FOR FRUIT THINNING

Crop	Objective/ Benefit	Application Timing/ Use Instructions
Nectarine, Peach	Depending on cultivar, orchard conditions, application timing, and grower objectives, the following benefits will be associated with <i>Accede</i> : <ul style="list-style-type: none"> Fruit thinning 	<p>Apply 34.5 to 69 fl oz <i>Accede</i> 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><i>Accede</i> 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><i>Accede</i> can be applied from the pink bud stage to petal fall.</p> <p>Do not apply ACC 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 <i>Accede</i> from pink bud to full bloom. Make a second application 7-10 days later if necessary. Do not exceed a total of 8.0 oz a.i. per acre (69 fl oz <i>Accede</i> 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 <i>Accede</i> after petal fall.</p> <p>Do not apply when frost is expected.</p>
<p>NOTE: Direct 80% of the spray into the upper 2/3 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 <i>Accede</i> 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: <i>Accede</i> 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 <i>Accede</i> will improve performance and response.</p>		
<p>Additional Notes:</p> <ul style="list-style-type: none"> Compatibility and performance data for <i>Accede</i> with other agricultural products are not available. Application of <i>Accede</i> 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 <i>Accede</i> to injured or stressed plants or fruit, e.g., girdled trees, freeze injury, etc. 		

Accede Dilution Table

Fluid ounces of *Accede* per 100 gallons of spray required to obtain given ppm concentration.

100 ppm	200 ppm	300 ppm	400 ppm	500 ppm	600 ppm
11.5	23	34	46	57	69

Note: *Accede* contains 56 grams active ingredient per 16.9 fluid ounces.

7.0 STORAGE AND DISPOSAL

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

Pesticide Storage: Store between 45 and 80°F. The product, once opened, should not be stored below 55°F.

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.

8.0 WARRANTY AND DISCLAIMER STATEMENT

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

8.0 WARRANTY AND DISCLAIMER STATEMENT (Cont'd)

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 BioSciences. 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.

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, VALENT BIOSCIENCES MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED.** No agent or repre-

sentative of Valent BioSciences 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 BIOSCIENCES 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 BIOSCIENCES 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 BioSciences, whether the claim is based on contract, negligence, strict liability, or other tort or otherwise be barred from any remedy.

NO AMENDMENTS

Valent BioSciences 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.

Accede is a trademark of Valent BioSciences LLC
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