



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

September 24, 2021

Michelle Koularmanis  
Senior Regulatory Coordinator  
Valent BioSciences, LLC  
1910 Innovation Way, Suite 100  
Libertyville, IL 60048

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Revision to the labeling to add supplemental label  
Product Name: Provide 10 SG  
EPA Registration Number: 73049-409  
Application Date: 02/25/2021  
Case Number: 00292729

Dear Ms. Koularmanis:

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.

The supplemental labeling contains some new and/or revised uses and/or directions that may be additional to the uses and/or directions found on the label on or attached to the container, but the supplemental labeling does not by itself constitute the complete set of use directions. The complete set of use directions is set forth on the container label as combined with the supplemental labeling.

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

Page 2 of 2  
EPA Reg. No. 73049-409  
Case No. 00292729

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 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 James Parker by phone at (703) 306-0469 or via email at [parker.james@epa.gov](mailto:parker.james@epa.gov).

Sincerely,



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


Enclosure

**ACCEPTED**

Sep 24, 2021

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 73049-409

**PROVIDE® 10 SG**  
**PLANT GROWTH REGULATOR**  
 Water Soluble Granule

 For Organic Production

ACTIVE INGREDIENT:

Gibberellins A <sub>4</sub> A <sub>7</sub> .....	10.0% w/w
OTHER INGREDIENTS.....	90.0% w/w
TOTAL:.....	100.0% w/w

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

EPA Reg. No. 73049-409  
 Net Weight: 3.5 oz (100 grams)

EPA Est. No.

Registrant:  
 Valent BioSciences LLC  
 1910 Innovation Way, Suite  
 100Libertyville, IL 60048

This container will treat .5 acre at the maximum use rate, as per instructions on the apple cracking suppression use.

<b>FIRST AID</b>	
If in eyes	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, you may also call toll-free 1-800-892-0099 for treatment information. For all other information call 1-800-6-Valent.	

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

**CAUTION**

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

**Personal Protection Equipment:**

Applicators and other handlers must wear:

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

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:

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

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Cover or collect granules spilled during loading.

## **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 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

## **APPLICATION DIRECTIONS**

Use only as directed. Read the label thoroughly and make sure it is understood before making applications. Do not apply this product through any type of irrigation system.

## **USE INSTRUCTIONS**

ProVide 10 SG is a plant growth regulator developed for use on apples. The active ingredient in ProVide 10 SG is a mixture of the Gibberellins A4 and A7. Gibberellins are naturally occurring compounds found in most plants. ProVide 10 SG is formulated as a water soluble granule (SG) at a 10.0% w/w concentration. The following are the commercial uses for ProVide 10 SG:

### **FRUIT RUSSET SUPPRESSION IN APPLES**

ProVide 10 SG reduces physiological skin russetting when applied in a post-bloom spray program. Physiological skin russetting is generally associated with high humidity conditions and the presence of water on the fruit surface during the first 30 to 40 days of fruit development. Russet severity at a given location and season is therefore specifically influenced by the weather conditions during and following the bloom period. The key conditions influencing russet include precipitation, humidity and temperature. ProVide 10 SG will not reduce damage associated with mechanical forces such as limb or pedicel rub, insect damage, or russet produced by certain pesticides. Since the active ingredient in ProVide 10 SG (gibberellins), is a very effective growth promotant, fruit growth enhancement and higher percentage of large fruit will be expected from the ProVide 10 SG applications in addition to improved finish and packout.

### **APPLICATION RATE AND TIMING**

Make 2 to 4 applications of 2.1 - 3.5 oz. (60 to 100 grams) of ProVide 10 SG per acre in 100 gallons of water per application (15-25 ppm). Always make the first spray at the beginning of petal fall, and continue at 7 to 10 day intervals.

### **WATER VOLUME**

Use sufficient water to achieve adequate coverage of the tree canopy without excessive runoff or dilution of the material. For most modern orchards, 100 gallons of spray solution per acre will produce adequate coverage.

## APPLICATION INFORMATION:

1. Number and rate of applications will be based on local weather conditions. In general, with very humid weather during and after bloom (rain, fog and heavy dew) the number of applications and the rate of each application will be increased. Under conditions prone to russet development, best russet control will be seen with four-3.5 oz (100g) per acre applications of ProVide 10 SG.
2. The use of spray additives is not required. Some spray additives have been shown to induce russet.
3. Do not use excessive spray volume since excess moisture has been shown to induce russet.
4. Use a properly calibrated and adjusted sprayer that insures uniform and complete coverage of all foliage and fruitlets.
5. Direct 85% of the spray volume to the upper two-thirds of the tree.
6. Minimize excessive spray drift by applying when air is calm.
7. Rainfall within six hours after spraying has been seen to reduce the activity of ProVide 10 SG.
8. **Compatibility:** Limited data are available on the use of ProVide 10 SG with other pesticides. Some pesticides have been shown to cause russet when applied during the early stages of fruit growth. Do not tank mix ProVide 10 SG with other pesticides unless you have personal experience with the mixture.

## **FRUIT CRACKING SUPPRESSION IN APPLES**

### **GENERAL INFORMATION:**

ProVide 10 SG will reduce the incidence of fruit cracking experienced by some apple varieties during the summer months and close to harvest time. Fruit cracking is a physiological disorder associated with sudden growth flushes and variable availability of water to the trees. Some varieties such as Stayman are notorious for this disorder. Other varieties prone to cracking have also been seen to benefit from this application.

### **APPLICATION RATE AND TIMING**

Make 3 to 6 consecutive applications of 1.8 - 3.5 oz. (50 to 100 grams) of ProVide 10 SG in 50 gallons of water per half acre (25-50 ppm). Make the first application at least two to three weeks before fruit cracking is likely to be observed in the orchard. Continue applications at 14 to 21 day intervals. Depending on geographical location and other factors influencing fruit cracking, the initial application will typically be made between mid-June and mid-July. When conditions favor heavy cracking use the higher rate, the greater specified number of applications, and the closer specified spray intervals.

**NOTE:** Do not treat for cracking suppression apples that have received ProVide 10 SG applications to suppress russet during the same growing season.

### **WATER VOLUME**

Use sufficient water to achieve adequate coverage of the tree canopy without excessive runoff or dilution of the material. For most modern orchards, 50 gallons of spray solution per half acre will produce adequate coverage.

### **IMPORTANT CONSIDERATIONS:**

1. Use data on past history of cracking as a guide for when the first application is to be made. If the material is applied after cracking has started, the effectiveness of the product will be greatly reduced.
2. Use of a nonionic surfactant, approved for food use, will improve spray coverage and enhance absorption.
3. Since ProVide 10 SG must be absorbed to be effective, best performance will be expected with good absorption conditions and healthy trees. Apply in early morning or late evening when conditions favor slow drying of the spray solution (high humidity, cool temperature, low wind).
4. Use a properly calibrated sprayer that insures uniform and complete coverage of all foliage and fruit. Adjust spray volumes to tree size and density.



5. Direct 85% of the spray volume to the upper two-thirds of the tree.
6. Rainfall within six hours after spraying has been seen to reduce the activity of ProVide 10 SG.
7. **Compatibility:** Limited data are available on the use of ProVide 10 SG with other pesticides. Do not tank mix ProVide 10 SG with other pesticides unless you have personal experience with the mixture.

To Increase Length of Lateral Bloom Pedicels in Short-Stemmed Apple Varieties [Not for Use in California]:

Apply 17.5 to 35 ounces (500 to 1000 grams) of ProVide 10 SG per acre in an application volume of 100 gallons of water per acre (125 - 250 ppm). Make a single application between the tight cluster and first pink stages of bud development.

Applications made earlier than tight cluster have not been shown to be effective. Applications made later than first pink can result in elongation of king bloom pedicels and exaggerated elongation of fruit.

The addition of a nonionic surfactant has been shown to improve performance.

**NOTE:** Do not treat for cracking suppression apples that have received *ProVide* 10 SG applications to increase length of lateral bloom pedicels during the same growing season.

## SEED GERMINATION – LETTUCE

### GENERAL INFORMATION:

ProVide 10 SG will stimulate the uniform germination of lettuce seed to aid in a uniform stand establishment.

### APPLICATION RATE AND TIMING

Use Rate: 2.1 – 4.3 oz. (6 - 12 grams) of ProVide 10 SG in 10 gallons of water

Application directions: Dip seed in solution containing 2.1 – 4.3 oz. (6-12 grams) in 10 gallons of water prior to planting.

### Use Restriction

**Do not** use treated seed for food, feed or oil purposes.

Conversion Table			
Ounces of ProVide 10 SG	Grams of active ingredient (GA4+GA7)	# ppm in 50 gallons of water	# ppm in 100 gallons of water
2.1 (60 grams)	6	30	15
2.8 (80 grams)	8	40	20
3.5 (100 grams)	10	50	25

**STORAGE AND DISPOSAL**

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

PESTICIDE STORAGE: Store below 77°F (25°C). Keep containers tightly closed when not in use.

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 (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or mix tank. Fill container ¼ full with water and recap. Shake 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. Then offer for recycling or dispose of in a sanitary landfill, or incineration, if allowed by state and local authorities by burning. If burned, stay out of smoke.

**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. To the fullest extent permitted by law, user assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

© 2021 by Valent U.S.A. LLC

ProVide is registered trademark of Valent BioSciences LLC.

# Supplemental Label



**ACCEPTED**

Sep 24, 2021

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 73049-409

**ProVide® 10SG**

PLANT GROWTH REGULATOR

SOLUBLE GRANULE

EPA Reg. No. 73049-409

(For Use In: Connecticut, Idaho, Maine, Maryland, Massachusetts, Michigan, Minnesota, New Jersey, New York, North Carolina, Ohio, Oregon, Pennsylvania, Vermont, Virginia, Washington, West Virginia, Wisconsin)

This supplemental labeling expires on June 1, 2023 and must not be used or distributed after this date.

**PROVIDE® 10 SG PLANT GROWTH REGULATOR WATER SOLUBLE GRANULE  
FOR INCREASE LENGTH OF LATERAL BLOOM PEDICELS IN SHORT-STEMMED APPLE  
VARIETIES**

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. READ THE LABEL AFFIXED TO THE CONTAINER FOR *PROVIDE® 10 SG PLANT GROWTH REGULATOR WATER SOLUBLE GRANULE* BEFORE APPLYING. USE OF *PROVIDE® 10 SG PLANT GROWTH REGULATOR WATER SOLUBLE GRANULE* ACCORDING TO THIS LABELING IS SUBJECT TO THE USE PRECAUTIONS AND LIMITATIONS IMPOSED BY THE LABEL AFFIXED TO THE CONTAINER FOR *PROVIDE® 10 SG PLANT GROWTH REGULATOR WATER SOLUBLE GRANULE*.**

### To Increase Length of Lateral Bloom Pedicels in Short-Stemmed Apple Varieties:

Apply 17.5 to 35 ounces (500 to 1000 grams) of *ProVide* 10 SG per acre in an application volume of 100 gallons of water per acre (125 - 250 ppm). Make a single application between the tight cluster and first pink stages of bud development.

Applications made earlier than tight cluster have not been shown to be effective. Applications made later than first pink can result in elongation of king bloom pedicels and exaggerated elongation of fruit.

The addition of a nonionic surfactant has been shown to improve performance.

**NOTE:** Do not treat for cracking suppression apples that have received *ProVide* 10 SG applications to increase length of lateral bloom pedicels during the same growing season.

**PLEASE CONTACT VALENT U.S.A. LLC AT 800-6-VALENT (682-5368) TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.**

Copyright © 2021 by Valent U.S.A. LLC

ProVide is a registered trademark of Valent BioSciences LLC.

Registered by:



Distributed by:

**Valent U.S.A. LLC**  
P.O. Box 5075  
4600 Norris Canyon Road  
San Ramon, CA 94583

Made in U.S.A.

Form: 2021-PRVD-0001  
02/22/2021