



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Registration Division (7505T)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

EPA Reg. Number:

71297-21

Date of Issuance:

4/13/23

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Textar DPA

Name and Address of Registrant (include ZIP Code):

AgroFresh Inc.  
 510-530 Walnut Street Suite 1350,  
 Philadelphia PA 19106

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

*Continues page 2*

Signature of Approving Official:

Kristy Crews, PhD. Product Manager 22  
 Fungicide Branch, Registration Division (7505T)

Date:

4/13/23

2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 71297-21.”
3. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements 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 Agency 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.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

- Basic, Alternate 1 and Alternate 2 CSFs all dated 07/07/2022

If you have any questions, please contact Yasmin Bowers at 202-566-2507 or [Bowers.Yasmin@epa.gov](mailto:Bowers.Yasmin@epa.gov).

Enclosure- *Stamped Label “Approved” 4/13/2023*

[Text in brackets is optional]

**Textar™ DPA**

**Scald and CO2 Injury Inhibitor**

**Textar™ DPA is diphenylamine for post-harvest thermal fogging or drench or spray or dip, for use on apple fruit.**

<u>Active Ingredient:</u>	<u>% by wt</u>
Diphenylamine .....	40.0%
<u>Other Ingredient:</u> .....	60.0%
	TOTAL.....100.0%

Contains 3.3 lbs diphenylamine per gallon.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

*Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)*

[See[front][back][side][inside] panel for First Aid Instructions and [Leaflet][Booklet] for complete Precautionary Statements and Directions for 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. 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>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
If swallowed	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

POISON CONTROL CENTER  
1-800-222-1222

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergency treatment, call 1-800-222-1222. For non-emergency information on this product contact the National Pesticides Information Center (NPIC) at 1-800-858-7378. Monday through Friday, 8 AM to 12 PM PST. or at <http://npic.orst.edu>.

Net Contents: 0.5 – 330 gallons

Lot No.:

EPA Reg. No.: 71297 - XXX

EPA Est. No.:

Formulated in the USA for AgroFresh, Philadelphia, PA, USA

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### **Personal Protective Equipment for handlers involved in dip, drench, and spray applications:**

Applicators and other handlers (including mixers, loaders, persons cleaning or maintaining the application equipment, truck drivers in drive-through drench operations, and persons handling treated apples or apple containers that are still wet) must wear long-sleeved shirt, long pants, goggles, shoes and socks, and chemical-resistant gloves made of laminated barrier or butyl rubber ( $\geq 14$  mils).

#### **Personal Protective Equipment for handlers involved in thermal fogging applications:**

Applicators must wear long-sleeved shirts, long pants, shoes and socks, chemical-resistant gloves made of laminated barrier or butyl rubber ( $\geq 14$  mils), and a minimum of a NIOSH-approved elastomeric full mask respirator with organic vapor (OV) cartridges and combination N, R or P filters; or a NIOSH-approved gas mask with OV canisters.

**Other handlers:** (including mixers, loaders, persons cleaning or setting up and/or monitoring the fogging equipment, and persons handling treated apples and/or apple

containers still wet with the active ingredient) must wear long-sleeved shirt, long pants, shoes and socks, chemical-resistant gloves made of laminated barrier or butyl rubber ( $\geq 14$  mils), and goggles.

### **User Safety Requirements:**

Follow the manufacturer's instructions for cleaning / maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been fogged or heavily contaminated with the concentrated product. Do not reuse them.

### **User Safety Recommendations:**

- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Users should 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**

This product is toxic to fish and aquatic invertebrates. 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 by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, sewer systems or other waters unless in accordance with the requirements of a National Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing with regard to the discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## **PHYSICAL OR CHEMICAL HAZARDS**

Flammable. Keep away from heat and open flame.

Do not mix or allow coming in contact with oxidizing agents reducing agents and organic solvents. Hazardous chemical reaction may occur.

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. 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.

NOTICE: Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product unused within thirty days of purchase to the place of purchase.

**Read the entire label before using this product.**

## **PRODUCT INFORMATION**

Textar™ DPA is a thermal fogging or drench or spray or dip product, that controls post-harvest disorders, as Scald and CO2 injury, on fruit in storage facilities.

**RATE, TIME AND MODE OF APPLICATION** : Use Textar™ DPA to control Scald and CO2 Injury as following:

**CROP:** Apple (*Malus domestica*)

### **MODE OF APPLICATION:**

Apply Textar™ DPA at rates and timings as specified in this label. Follow all label directions and restrictions for each ingredient in the tank mixture. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

**Posting:** Notify workers of application by warning them orally and posting warning signs at entrances to treated areas.

## **THERMAL FOGGING APPLICATION INSTRUCTIONS**

### **Application Procedures:**

- Do not breathe the fog.
- Turn off cooling, fans, scrubbers, ozone, and humidifiers 12 hours prior to and during treatment.
- Turn on circulation fans one hour after product has completed flowing through the fogging application system.

- Do not rinse apple after treatment.

Note: When treatment areas contain less than 75% fruit capacity, calculate the dosage by adding a tonnage value of 20% of the empty volume to the real tonnage of the fruit.

### Thermal Fogger Operation

- Place the thermal fogger with the nozzle pointed in an unobstructed direction. For best results, the fogger nozzle should be pointed towards a surface at least ten (10) feet away.
- Do not exceed 650 F fogger temperature.
- If used in tank mix, ensure the mixture is agitated during application if needed.
- Close door and seal around any power cord or remote-control cables as needed.

### Application rate by FOGGING METHOD:

Apple variety	Textar™ DPA Rate per US Ton fruit	Total maximum application rate per year	Maximum number of applications per year
Granny Smith	1.07 fl. oz (0.028 lb DPA)	1.07 fl. oz (0.028 lb DPA)	1
Red Delicious	0.96 fl. oz (0.025 lb DPA)	0.96 fl. oz (0.025 lb DPA)	1
Braeburn, Cortland, Fuji, Idared, McIntosh	0.70 fl. oz (0.018 lb DPA)	0.70 fl. oz (0.018 lb DPA)	1
Empire, Jonagold, Rome Beauty, Royal Gala, Staymin, Winesap, Honey Crisp, Jazz, Pink Lady	0.55 fl. oz (0.014 lb DPA)	0.55 fl. oz (0.014 lb DPA)	1
Golden Delicious	0.30 – 0.37 fl. oz (0.008 to 0.009 lb DPA)	0.30 – 0.37 fl. oz (0.008 to 0.009 lb DPA)	1

### Application Directions:

- Apply to dry fruit as received from the field.
- Apply to fruit as soon as possible after harvest, and ideally within 15 days (after harvest).
- Load bins in the storage area with normal spacing between bins and head space.
- Cover front face of bins directly adjacent to the fogging nozzle.
- Begin application.

### Crop Safety:

- Apply to dry fruit as received from the field.
- Cover front face of bins directly adjacent to the fogging nozzle.

**Re-entry:**

- Entry into the treatment area by another person other than properly trained and equipped handlers is prohibited from the start of application until the treated area is ventilated as follows:
  - 8 hours with no ventilation followed by 1 hour of mechanical ventilation
  - 24 hours with no ventilation
- In case it is necessary to enter the treatment area during treatment or before ventilation requirements have been met, handlers must wear chemical resistant headgear and a self-contained breathing apparatus (NIOSH approved elastomeric half mask respirator with organic vapor (OV) cartridges and a combination N, R, or P filter) in addition to PPE listed under the PRECAUTIONARY STATEMENTS. Follow all applicable safety precautions for entering a controlled atmosphere storage facility, such as monitoring oxygen and carbon monoxide meters to assure safe levels before re-entry.

**Restrictions:**

- DO NOT apply more than 1 post-harvest application of DPA-containing product (see application rate table above).
- Apply only with a thermal fogging machine.
- DO NOT exceed 650° F fogger temperature.
- Place the thermal fogger in a direction that maximizes the distance between the fogger nozzle and an obstruction.
- DO NOT apply diphenylamine to apples before harvest.
- DO NOT vent during application.
- DO NOT rinse apples after treatment
- DO NOT use treated apples or pomace for livestock feed.
- DO NOT apply diphenylamine to apples via treated wrapping papers.
- Fruit must have shipping containers marked "Treated with Diphenylamine to retard spoilage."

**DRENCH / DIP / SPRAY APPLICATION INSTRUCTIONS****Application rate by Drench or Spray or Dip:**

Apple variety	Use Solution Rate per Variety	Total maximum application rate per year	Maximum number of applications per year
Empire, Jonagold, Rome Beauty, Royal Gala, Staymin, Winesap, Honey Crisp, Jazz, Pink Lady, Golden Delicious	1000 ppm (0.8345 lb/100 gal DPA)	1000 ppm (0.8345 lb/100 gal DPA)	1
Braeburn, Cortland, Fuji, Idared, McIntosh	1500 ppm (1.25 lb/100 gal DPA)	1500 ppm (1.25 lb/100 gal DPA)	1



Red Delicious	2000 ppm (1.6691 lb/100 gal DPA)	2000 ppm (1.6691 lb/100 gal DPA)	1
Granny Smith	2200 ppm (1.836 lb/100 gal DPA)	2200 ppm (1.836 lb/100 gal DPA)	1

**Application Directions:**

- Apply to dry fruit as received from the field.
- Apply to fruit as soon as possible after harvest, and ideally within 7 days (after harvest).
- Clean tank thoroughly before recharging with a fresh use-solution.
- Use-solutions should be mixed occasionally to prevent stratification.
- Remove any soil scums that accumulate on top of use solution.
- Apply a single drench, or spray, or dip to thoroughly cover the surface of the apples. Limit DPA solution contact time to 2 minutes.
- Replace with fresh solution after treating 30 bins with each 100 gallons of use-solution.
- To avoid or reduce fruit injury, remove excess of Textar™ DPA solution remaining on apples. Drain thoroughly following treatment. Using liners in bin can interfere with drainage and increase risk of fruit burning due to liquid pooling at the bottom. For drench treatments tilt bins to prevent collection of Textar™ DPA solution in bottom of bins. Prevent orchard souls or foam from remaining on fruit following treatment.

**Drench / Spray / Dip Mixing Procedure:**

CAUTION: It is recommended that Textar™ DPA applications indicated here are applied by an AgroFresh Technical Representative.

**Drenching:** Use in re-circulating drenchers. Remove immediately after drench and allow the apples to drain thoroughly; then place in cold storage.

**Spraying:** Spray or flood apples with appropriate equipment. Allow sufficient space for adequate drainage. The contact time should be controlled.

**Dipping:** Immerse all fruit completely in the Textar™ DPA mixture. Remove and allow apples to drain thoroughly, then place in cold storage.

Tank mixture preparation:

AgroFresh advises the use of Textar Aide D as an adjuvant to prepare the mixture before application by drench, spray or dip.

- To apply Textar™ DPA by Drench, Spray or Dip add the adjuvant Textar Aide D to the tank.
- Begin mixing the adjuvant Textar Aide D in desired volume of water (refer to the table below) with a stationary or hand-held mixer to create a vortex.

- Slowly add Textar™ DPA with good stirring to water, as determined by target Textar™ DPA dose below, while mixing the solution in the vessel. Mix for 5 minutes or until completely dispersed.
- Begin circulating systems on mixture.
- Add above prepared mixture to the tank while tank circulation systems are running.
- Continue circulation systems until all of the mixture is fully dispersed.

**Tank Mixture Preparation Recommendations:**

PPM	Textar Aide D	Textar™ DPA	Water
1,000	0.250 gallons	0.250 gallons (0.825 lb DPA)	99.50 gallons
1,500	0.375 gallons	0.375 gallons (1.24 lb DPA)	99.25 gallons
2,000	0.500 gallons	0.500 gallons (1.65 lb DPA)	99.00 gallons
2,200	0.550 gallons	0.550 gallons (1.815 lb DPA)	98.90 gallons

**Crop Safety:**

- Apply to dry fruit as received from the field.

**Restrictions:**

- DO NOT apply more than 1 post-harvest application of DPA-containing product. (see application rate table above).
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- DO NOT rinse apples after treatment
- DO NOT apply diphenylamine to apples before harvest.
- DO NOT use treated apples or pomace for livestock feed.
- DO NOT apply diphenylamine to apples via treated wrapping papers.
- Fruit must have shipping carton/container marked: “Treated with Diphenylamine to retard spoilage.”

**STORAGE AND DISPOSAL**

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

**Storage:** Store in original packaging in a cool, dry place. Do not use or store near heat or open flames.

**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 containers. Triple rinse container promptly after emptying.

**For packages equal to or less than 5 gallons:** 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 ¼ 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.

**For packages greater than 5 gallons** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip the container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by other procedures allowed by state and local authorities.

## **CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

BEFORE BUYING OR USING THIS PRODUCT, read the entire Directions for Use and the following conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of AGROFRESH INC or the seller is authorized to vary in any way.

Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop or other plant injury, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label or use of this product contrary to the label instructions, all of which are beyond the control of AGROFRESH INC. and seller. The buyer or user of this product assumes all such inherent risks

Subject to the foregoing inherent risks, AGROFRESH INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use when the product is used in strict accordance with such Directions for Use under normal conditions of use. EXCEPT AS WARRANTED IN THIS LABEL, THIS PRODUCT IS SOLD "AS IS" TO THE EXTENT CONSISTENT WITH APPLICABLE LAW. AGROFRESH

INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE.

IN THE UNLIKELY EVENT THAT BUYER OR USER BELIEVES THAT AGROFRESH INC. HAS BREACHED A WARRANTY CONTAINED IN THIS LABEL, BUYER OR USER MUST SEND WRITTEN NOTICE OF SUCH CLAIM TO THE FOLLOWING ADDRESS, TO THE EXTENT REQUIRED BY APPLICABLE LAW:

**AGROFRESH INC.**  
**Attention : LAW DEPARTMENT**  
**510-530 WALNUT STREET - SUITE 1350**  
**PHILADELPHIA, PA 19106**

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY LOSS OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT, INCLUDING BUT NOT LIMITED TO CLAIMS OF BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, OR STRICT LIABILITY.