



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 3, 2020

Audrey Sehn
Regulatory Affairs Manager
Pace International LLC
5661 Branch Road
Wapato, WA 98951

Subject: Registration Review Label Mitigation for Diphenylamine
Product Name: Shield DPA 15% Super Refined
EPA Registration Number: 64864-3
Application Dates: 10/5/2019
Decision Numbers: 555999

Dear Ms. Sehn:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Diphenylamine Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

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 the Federal Insecticide Fungicide and Rodenticide Act 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) list 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.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

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If you have any questions about this letter, please contact Darius Stanton by phone at 703-347-0433, or via email at Stanton.darius@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

Enclosure

**Shield DPA 15% Super Refined
For Reducing Apple Scald During Storage**

ACTIVE INGREDIENT:

Diphenylamine..... 15%

OTHER INGREDIENTS:..... 85%

Total..... 100%

EPA Reg. No. 64864-3

EPA Est. No. 64864-WA-1

**KEEP OUT OF REACH OF CHILDREN
CAUTION - CUIDADO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

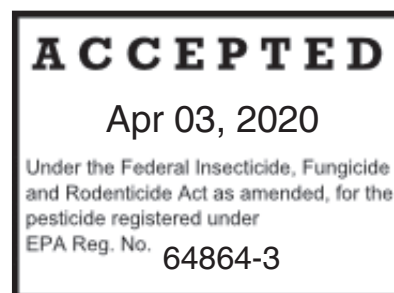
(If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • 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
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
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.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 Monday through Friday, 7:30 am to 3:30 pm Pacific Time. During other times, call the poison control center at 1-800-222-1222.</p>	

Net Contents: _____

Lot # _____

Manufactured By:
Pace International LLC
5661 Branch Road
Wapato, WA 98951
800.936.6750



PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed or absorbed through skin or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

Personal Protective Equipment (PPE)

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 still wet) must wear long-sleeved shirt, long pants, goggles, shoes and socks, and chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber, or butyl rubber.

Drenching applicators must wear: long sleeved shirt and long pants. Refer to Engineering Controls below for further details.

Engineering Controls

For Truck Drivers in Drive-Through Drench Application Only:

When drivers remain inside the truck cab with the windows and doors closed, they

- May wear long sleeved shirt and long pants, and shoes plus socks,
- Must be provided with and must have immediately available for use in an emergency, chemical resistant gloves when they exit the cab or immediately adjacent to the treatment area during application, and
- Must store all such PPE in a chemical resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

User Safety Requirements

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

User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 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 pesticide is toxic to fish and aquatic invertebrates. Do not contaminate water by cleaning of equipment or disposal of equipment washwater or rinsate. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewage 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.

DIRECTIONS FOR USE

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

General Precautions and Restrictions

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. Consult Agricultural Experimental Station or Extension Service pomology specialists for current recommended DPA use-solution concentrations for local apple varieties. User is cautioned that, even under ideal conditions, the use of Shield DPA 15% may not totally prevent Scald and may cause injury to some fruit or fruit varieties.

Recommendations

Treat only dry fruit as received from field. Apply to fruit within 7 days after harvesting, prior to placing in storage.

Use 1000 ppm solutions for Braeburn, Cameo, Cortland, McIntosh, Rome Beauty, Turley, Stayman and Winesap apple varieties.

Use 2000 ppm solutions for Red Delicious apples.

Use 2200 ppm solutions for Granny Smith apples.

For treatment of Fuji, Gala, Golden Delicious or Pink Lady apples, consult your local pomologist.

<u>Use-Solutions</u>	<u>ppm DPA</u>
1 gallon Shield DPA 15% per 142 gallons water =	1000
1 gallon Shield DPA 15% per 70 gallons water =	2000
1 gallon Shield DPA 15% per 64 gallons water =	2200

Shield DPA 15% may be tank mixed with post-harvest calcium treatments (i.e., calcium chloride).

However, Do Not use **Shield DPA 15%** in combination with any other products without first conducting a trial to establish that the combination will not cause fruit damage such as skin burn or lenticel marking.

DO NOT tank mix with products containing captan when drenching Granny Smith apples, as the mix may cause fruit burn under some conditions. Other apple varieties may be affected by DPA + captan mixtures under certain conditions as well; please consult your local pomologist.

Application Procedures

- Clean tank thoroughly before recharging with 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 dip, drench or spray to thoroughly cover the surface of the apples. Limit DPA solution-to-fruit contact time to 2 minutes.
- If applying by drench, use recirculating drenchers to treat fruit.
- Replace with fresh solution after treating 30 bins (or 750 bushels) with each 100 gallons of use-solution.
- **TO AVOID OR REDUCE FRUIT INJURY**, remove excess DPA solution remaining on apples. Drain thoroughly following treatment. Using liners in bins 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 DPA solution in bottom of bins. Prevent orchard soils or foam from remaining on fruit following treatment.
- **DO NOT** rinse apples after treatment.
- **DO NOT** apply diphenylamine to apples before harvest.
- **DO NOT** use treated apples for pomace or livestock feed, as illegal residues may occur in meat or milk.
- **DO NOT** apply diphenylamine to apples via treated wrapping papers.
- Fruit must have shipping container marked “Treated with Diphenylamine to retard spoilage.”

Check for Post-treatment Signs of Scald

In years of severe Scald development, Shield DPA 15% may not give desired control or other factors may reduce its effectiveness. After several months of storage, collect samples of fruit periodically (every 2 or 3 weeks) and hold them at room temperature to assess Scald development. Fruit lots showing Scald can often be marketed immediately.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Avoid storing below 40°F. In case of spill or leak, absorb liquid with sawdust or other absorbent material and incinerate or dispose of it in approved disposal area.

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

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows:

(for 5-gallon containers) 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 containers larger than 5 gallons) Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip 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.

(Continued for all containers) Then offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration.

NOTICE TO BUYER

IMPORTANT: Read the information below before using this product. If the terms are not acceptable, you should return the unopened product container immediately for a complete refund.

LIMITED WARRANTY, TERMS OF SALE, AND LIMITATION OF LIABILITY

Upon purchase of this product, purchaser and user agree to the following terms:

Warranty: To the extent consistent with applicable law, Pace International, LLC (the Company) warrants that this product conforms to the chemical description on the label in all material respects and is remarkably fit for the purpose referred to in the directions for use, subject to the exceptions noted below, which are beyond the Company's control. The Company makes no other representation or warranty, express or implied, concerning the product, including no implied warranty of merchantability or fitness for a particular purpose; no such warranty shall be implied by law, and no agent or representative is authorized to make any such warranty on the Company's behalf.

Terms of Sale: The Company's directions for use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, and the manner of use or application (including failure to adhere to label directions), all of which are beyond the Company's control. All such risks are assumed by the user.

Limitations of Liability: To the extent consistent with applicable law, the exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damages, and in no event shall damages or any other recovery of any kind exceed the price of the product which

caused the alleged loss, damage, injury, or other claim. Under no circumstances shall the Company be liable for any special, indirect, incidental, or consequential damages of any kind, including loss of profits or income, and any such claims are hereby waived.

The Company and the seller offer this product, and the purchaser and user accept this product, subject to the foregoing warranty, terms of sale, and limitation of liability, which may be varied or modified only by an agreement in writing signed on behalf of the Company by an authorized representative.

MADE IN USA