



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
3125-428

Date of Issuance:
APR 04 1995

NOTICE OF PESTICIDE:
 X Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:

Provado Solupak 75%
in Water Soluble
Packets

Name and Address of Registrant (include ZIP Code):

Miles Inc.
P.O. Box 4913
8400 Hawthorn Road
Kansas City, MO 64120-0013

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/reregistration under the Federal Insecticide, Fungicide and Rodenticide Act.

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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(B) provided that you:

1. Submit a small scale prospective groundwater monitoring study for potatoes and broccoli. Monitoring must continue for at least two full years. Information, coordination and reports are due to the Agency according to the schedule listed below:

- a. June 1, 1995 - Sit approval
Discussion with EPA personnel.
- b. July 14, 1995 - Ground water protocols to be submitted
(sited specific).

Signature of Approving Official:

DHE

Dennis H. Edwards, Product Manager (19)
Insecticide Branch Rodenticide Branch
Registration Division (H7505C)

Date:

APR 04 1995

EPA Reg. No. 3125-428

- c. August 1995 - Discussions* with EPA personnel.
- d. September 30, 1995 - Discussions* with EPA personnel.
- e. Spring 1996 - Application of test material. Ground water monitoring to commence.
- f. Spring 1998 - Submit request to terminate study. Monitoring must continue until EPA grants permission to terminate.

Once the monitoring studies have started quarterly progress reports must be submitted to the Agency.

) Final reports must be submitted within 6 months of agreement to terminate the ground water studies.

2. You will submit production information (pounds or gallons produced) for this product for the fiscal year in which the use on grapes is conditionally registered, in accordance with FIFRA section 29. The fiscal year begins October 1 and ends September 30. The production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

This information should be submitted to:

Registration Support Branch
Registration Division (7505C)
Environmental Protection Agency
Washington, DC 20460

) 3. Make the following label changes:

Add the phrase, "EPA Registration No. 3125-428" to your label before you release the product for shipment.

4. Submit five (5) copies of your final printed labeling, with the changes referred to above, before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to can cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

* Discussion can take the form of conference calls or meetings where needed.

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A stamped copy of the label is enclosed for your records.

Sincerely,

DHE

Dennis H. Edwards, Jr.
Product Manager 19
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure

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PROVADO SOLUPAK 75% WP Insecticide

UEI-8472.YLD

U. S. LABEL

Base Pre-Reg (8472)

Reason to Issue: To add mitigation language for California and Florida counties and to delete non-WPS re-entry statement.

Date of Draft: 03/17/95(Pre-Reg)(C)
Supersedes Pre-Reg Draft Dated: 12/27/94

PROVADO SOLUPAK

75% Wettable Powder Insecticide in Water Soluble Packets

FOR INSECT CONTROL ON GRAPE

ACTIVE INGREDIENT:

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine 75%

INERT INGREDIENTS 25%
100%

EPA File Symbol No. 3125-UEI

DEALERS SHOULD SELL IN ORIGINAL PACKAGES ONLY

Contains Eight 1 Ounce Water Soluble Packets

Total Net Contents: 8 Ounces

STOP - Read The Label Before Use

Keep Out Of Reach Of Children

ACCEPTED
with COMMENTS
in EPA Letter Dated

APR 04 1995

CAUTION

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

3125-428

Harmful if swallowed, inhaled, or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Water-proof gloves
- Shoes plus socks

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

Engineering controls statements:

- When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural

User Safety Recommendations:

User 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.

STATEMENTS OF PRACTICAL TREATMENT

If swallowed, Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. If syrup of ipecac is available, administer 1 tablespoonful (15 ml) of syrup of ipecac followed by 1 to 2 glasses of water. If vomiting does not occur within 20 minutes, repeat the dose once. If on skin, wash thoroughly with soap and water.

Get medical attention if irritation occurs. If in eyes, wash with plenty of water for at least 15 minutes. Get medical attention. If inhaled, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

TO PHYSICIAN: No specific antidote is available. Treat the patient symptomatically.

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 washwaters.

or weeds if bees are visiting the treatment area. This product is highly toxic to aquatic invertebrates.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

DIRECTIONS FOR USE

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

IMPORTANT: Read these entire DIRECTIONS FOR USE, GENERAL INFORMATION, AND CONDITIONS OF SALE before using PROVADO SOLUPAK 75% WP Insecticide.

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 agency responsible for pesticide regulation.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE APPROPRIATE FOR THE CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED UNDER DIFFERENT ENVIRONMENTAL CONDITIONS BOTH INDOORS AND OUTDOORS UNDER CONDITIONS SIMILAR TO THOSE THAT ARE ORDINARY AND CUSTOMARY WHERE THE PRODUCT IS TO BE USED. INSUFFICIENT CONTROL OF PESTS OR PLANT INJURY MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL CONDITIONS, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO ANIMALS, MAN, AND DAMAGE TO THE ENVIRONMENT. MILES OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL ENVIRONMENTAL CONDITIONS, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MILES AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

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 12 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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

RESISTANCE: Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area. Consult your agricultural advisor for resistance management strategies and recommended pest management practices for your area.

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DIRECTIONS FOR USE (Continued)

MIXING: The enclosed packets containing PROVADO SOLUPAK insecticide are water soluble and will completely dissolve in water. Do not allow packets to become wet before adding to the spray tank. Do not handle with wet hands or wet gloves. Reseal the outer container to protect remaining packets from moisture.

CAUTION: Do not use PVA packets in a tank mix with products that contain boron or release free chlorine. The resultant reaction of PVA and boron or free chlorine is a plastic which is not soluble in water or solvents.

PROVADO SOLUPAK may also be used with other recommended pesticides and micronutrients (See Note). The proper mixing procedure for PROVADO SOLUPAK alone or in tank mix combinations with other pesticides is:

- 1) Fill the spray tank 1/4 to 1/3 full with clean water.
- 2) While recirculating and with the agitator running, add the required number of unopened PROVADO SOLUPAK packets.
- 3) Allow enough time for thorough mixing. The packets should completely dissolve in 5 to 10 minutes.

- 4) Continue to fill spray tank with water until 1/2 full.
- 5) If applicable, add remaining tank mix components in the following order: wettable powders, flowables, and emulsifiable concentrates. Ensure good agitation as each component is added. Do not add a tank mix component until the previous component is thoroughly mixed.
- 6) Fill spray tank to desired level and maintain constant agitation to ensure uniformity of spray mixture.

NOTE: Test compatibility of the intended tank mixture before adding PROVADO SOLUPAK to the spray or mix tank. Add proportionate amounts of each ingredient, including PVA and water, in the appropriate order, to a pint or quart jar, cap, shake for 5 minutes, and let set for 5 minutes. Poor mixing or formation of precipitates that do not readily redisperse indicates an incompatible mixture that should not be used. For further information, contact your local Miles representative.

PROVADO SOLUPAK may not be applied through irrigation systems.

PROVADO SOLUPAK			
CROP	PEST	RATE PER APPLICATION	REMARKS
Grape	Leafhoppers Mealybugs	0.75 to 1.0 oz/acre	Apply specified dosage per acre in sufficient carrier to provide thorough coverage of the foliage. Apply higher rate for heavy infestations of mealybugs. Do not apply more than a total of 2.0 ounces of PROVADO 75 WP per year. Allow at least 14 days between applications. Applications may be applied up to and including day of harvest.

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OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.

Spray Drift Management: The interaction of many equipment and weather related factors determines the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

Buffer Zone Requirements: For foliar applications, do not apply by ground within 25 feet, or by air within 150 feet of lakes; reservoirs; rivers; permanent streams, marshes or natural ponds; estuaries and commercial fish farm ponds.

Recommendations For Aerial Applications: The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% of the wing span or rotor diameter.

Importance of Droplet Size: An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure.

Spray should be released at the lowest possible height consistent with good pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

Wind Speed Restrictions: Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Do not apply when winds are greater than 15 mph and avoid gusty and windless conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Restrictions During Temperature Inversions: Do not make aerial or ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

Airblast (Air Assist) Specific Recommendations for Vineyards: Airblast tree sprayers carry droplets into the canopy of vines via a radially, or laterally directed air stream. The following specific drift management practices should be followed:

- Adjust deflectors and aiming devices so that spray is only directed into the canopy;
- Block off upward pointed nozzles when there is no overhanging canopy;
- Use only enough air volume to penetrate the canopy and provide good coverage;
- Do not allow the spray to go beyond the edge of the cultivated area (i.e., turn off sprayer when turning at end rows);
- Only spray inward, toward the vineyard, for applications to the outside rows.

Runoff Management: Do not cultivate within 10 feet of the aquatic areas to allow growth of a vegetative filter strip.

When used on erodible soils, best management practices for minimizing runoff should be employed. Consult your local Soil Conservation Service for recommendations in your use area.

ENDANGERED SPECIES

NOTICE: Under the Endangered Species Act, it is a federal offense to use any pesticide in a manner that results in the death of a member of an endangered species.

STATE	COUNTY	CROP	RESTRICTIONS ¹	SPECIES OF CONCERN ²
California	Fresno	Grapes	1	VPFS
	Madera	Grapes	1	VPFS
	Merced	Grapes	1	VPFS
Florida	Alachua	Grapes	2	SCCS

¹Restriction Codes:

- 1 200 foot buffer zone between application sites and vernal pools (vernal pools are natural wetlands located in grasslands, pastures and other non-cultivated habitats that fill with water as the result of winter/ spring rains, but dry up during the summer).
- 2 Uses are restricted to agricultural croplands only.

²Species Codes:

VPFS Vernal Pool Fairy Shrimp
 SCCS Squirrel Chimney Cave Shrimp

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Do not store below freezing (32°F). Exposure to moisture or excessive handling of water soluble packets may cause breakage. Store packets in original container and out of the reach of children, preferably in a locked storage 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: Completely empty container into application equipment. Then dispose of empty container

in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by recycling or burning. If burned, stay out of smoke.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of as directed for pesticides above. In spill or leak incidents, keep unauthorized people away. You may contact the Miles Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Miles Kansas City Emergency Response telephone number is 816-242-2582, or contact Chemtrec at 800-424-9300.

Miles Inc.
 Crop Protection Products
 Box 4913 Kansas City, MO 64120-0013



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UEI-8472.YLD

Base Pre-Reg (8472)

Date of Draft: 03/17/95(Pre-Reg)(C)

Supersedes Pre-Reg Draft Dated: 12/27/94

LABELING FOR ONE OUNCE PACKET

PROVADO SOLUPAK
75% Wettable Powder Insecticide
in Water Soluble Packets

ACTIVE INGREDIENT:

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine

75%

INERT INGREDIENTS

25%

100%

EPA File Symbol No. 3125-UEI

KEEP OUT OF REACH OF CHILDREN

CAUTION

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