

PM

91

62097-6

9/23/99

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 23 1999

Dr. Hale Vandermer
SciReg, Inc.
12733 Director's Loop
Woodbridge, VA 22192

Dear Dr. Vandermer:

Subject: Amendment-Label & Confidential Statement of Formula (CSF)
Perlan
EPA Registration No. 62097-6
Your Submission dated April 28, 1999

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

1. In reference to the CSF the percentage of active ingredient in each of the Technical Grade of Active Ingredient (TGAI) was not listed on the CSF. Please provide the information.
2. Two TGAIs obtained from two different sources have the same Company Number (62097) listed on the CSF. Please explain.
3. The eye irritation study (MRID No. 448172-01) submitted to support change of signal word on the label from "Warning" to "Caution" is acceptable.

A stamped copy of the label is enclosed for your records. If you have any questions, please contact Dr. Sheila Moats at (703) 308-1259.

Sincerely yours,

Janet L. Andersen, Ph.D., Director
Biopesticides and Pollution
Prevention Division (7511C)

Enclosure:

				CONCURRENCES			
SYMBOL	7511C	7511C	7511C				
SURNAME	Moats	Rull	Andersen				
DATE	9/21/99	9/22/99	9/23/99				

PERLAN™

PERLAN™

PERLAN™

295
SEP 23 1999

CAUTION

ACCEPTED
with COMMENTS
in EPA Letter Dated

KEEP OUT OF REACH OF CHILDREN

9/23/99
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

Plant Growth Regulator Solution

Active Ingredients: Gibberellins A ₄ A ₇	1.8%
N-(phenylmethyl)-1H-purine-6-amine	1.8%
Other Ingredients:	96.4%
Total:	100%

62097-6

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)

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Flush with plenty of water. Call a physician if irritation persists.

If swallowed: Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if swallowed. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical-resistance selection chart.

Applicators and other handlers must wear:

- * Long-sleeved shirt and long pants.
- * Chemical-resistant gloves.
- * Protective eyewear.
- * Socks and shoes.
- * Chemical-resistant apron when cleaning equipment, mixing or loading.

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

USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, chewing gum, using tobacco or using the toilet.

EPA Est. No. 62097-GBR-004

EPA Registration No. 62097-6

Net Contents

½ Gallon (1.89 L)

ENVIRONMENTAL HAZARDS

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 when disposing of equipment wash waters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labelling. 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 requirement specific to your state or tribe, consult the agency responsible for pesticide regulation. Do not apply this product through any type of irrigation system.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labelling 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 the label about personal protective equipment (PPE) and restricted entry intervals. The requirements in this box only apply to uses of this product covered by the Worker Protection Standard.

Do not enter or allow 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:

- * Long-sleeved shirt and long pants (or coveralls)
- * Waterproof gloves
- * Shoes plus socks

STORAGE AND DISPOSAL

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

Storage: Keep containers tightly closed when not in use. Store below 75°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 Disposal: Do not re-use empty containers. Triple rinse (or equivalent). Then puncture and dispose of in sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

- Perlan is a plant growth regulator for use on apples and non-bearing pears and sweet cherries.
- Perlan improves the shape ('typiness') of Delicious apples by increasing the development of calyx lobes and elongating the fruit.
- Perlan may increase fruit weight and yield in apples.
- Perlan can be used to increase lateral bud break on non-bearing trees.
- Perlan may cause some fruit thinning.
- Perlan should be applied using conventional spray application machinery or as otherwise directed in this label. Perlan must not be applied using irrigation equipment.
- pH of the applied spray must not be higher than 8. – Use a buffering agent if necessary.
- Perlan is registered for use in Michigan, New York, Oregon, Pennsylvania, Virginia and Washington states.

SPRAYING GUIDE FOR FRUIT DEVELOPMENT

When used to improve the type and size of fruit Perlan should be applied in a single or split spray program.

Michigan, New York, Oregon, Pennsylvania and Virginia

Single application

Make one application of 1 – 2 pints between early king bloom and early petal fall of side blossoms in 50 – 200 gallons of water/acre.

Washington only

Single application

Make one application of 1 – 2 pints between early king bloom and early petal fall of king blossoms in 50 – 200 gallons of water/acre.

Split applications

Make the first application of ½ – 1½ pints between early king bloom and early petal fall of king blossoms in 50 – 200 gallons of water/acre. Make the second application of ½ - 1 pint 7 – 21 days later in 50 – 200 gallons of water/acre.

Split applications in areas where bloom is prolonged

Make the first application of ½ – 1 pint during the first flush of bloom in 100 gallons of water/acre. Make the second application of ½ - 1 pint 3 – 7 days later when the rest of the tree comes into bloom in 100 gallons of water/acre.

- Apply all sprays as a fine mist to ensure maximum coverage and spray retention on flowers and foliage. Do not apply in water volumes greater than 200 gallons/acre.
- Direct 85% of spray to the upper 2/3rds of the trees.
- Addition of a non-ionic wetting adjuvant may improve coverage and efficacy.
- Apply in conditions conducive of slow drying.
- Do not apply if air temperature is less than 40°F or more than 90°F.
- Do not apply more than 2 pints/acre/year.
- Prepare spraying solution using clean water and apply within 24 hours.
- Efficacy of Perlan may be reduced if rain occurs within 6 hours of application.
- Perlan may be applied in tank mixture with Benlate®, Dithane®, Orthocide®, Polyram®, ferbam, thiram and wettable sulfur. Always refer to the partner product label when applying Perlan in tank mixtures and follow all precautions and directions given.

SPRAYING GUIDE FOR FEATHERING AND TREE DEVELOPMENT

Application of Perlan can be used to increase lateral bud break and shoot growth to produce a better tree framework in young trees.

Foliar application to nursery and orchard apples

Make one application of 125 – 500 ppm (¼ - 1 pint/5 gallons of water) when orchard trees have 1 – 3 inches of new growth or nursery trees have reached the height where branching is required.

Foliar application to nursery and orchard pears or nursery sweet cherries

Make one application of 250 – 1000 ppm (½ - 2 pints/5 gallons of water) when orchard trees have 1 – 3 inches of new growth or nursery trees have reached the height where branching is required.

- A non-ionic or buffered wetting adjuvant should be added to the spray solution at 0.2% – 0.3% of water volume.
- Apply using a hand held sprayer and ensure thorough wetting of foliage and bark.

Latex application to nursery and orchard apples or non-bearing orchard sweet cherries

Apply 5000 – 7500 ppm (1/5 – 1/3 pint per pint of latex paint) to one year old wood in the spring when terminal buds begin to swell. Apply with a brush or sponge to achieve thorough coverage of bark.

- Do not apply after buds break.
- Apply to one year old wood only.

- A non-ionic or buffered wetting adjuvant should be added to the paint solution at 0.5% – 1.0% of water volume.

FINE AGROCHEMICALS LIMITED warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions subject to the inherent risks set forth below.

FINE AGROCHEMICALS LIMITED makes no other expressed or implied warranty of merchantability or fitness for a particular purpose or any other expressed or implied warranty.

INHERENT RISK OF USE: It is impossible to eliminate all risks associated with this product.

Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label) abnormal conditions, presence of other materials, the manner of application, or other factors, all of which are beyond the control of FINE AGROCHEMICALS LIMITED or the seller. All such risks shall be assumed by the buyer.

Perlan™ is a trademark of Fine Agrochemicals Limited.

Benlate® is a registered trademark of E.I duPont de Nemours & Co., Inc.

Dithane® is a registered trademark of Rohm and Haas Company.

Orthocide® is a registered trademark of Chevron Chemical Co.

Polyram® is a registered trademark of BASF AG.

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