3-21-2001 100 – 904 Pleass read instructions on reverse before completing form. **United States** Registration **OPP Identifier Number** NOTIFICATION **\$EPA Environmental Protection Agency** Amendment Washington, DC 20460 Other **Application for Pesticide - Section 1** Company/Product Number **EPA** Product Manager Proposed Classification 100-904 **Tom Harris** Company/Product (Name) PM# None Restricted Proclaim Insecticide **IRB** Name and Address of Applicant (Include ZIP Code) Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), Syngenta Crop Protection, Inc. my product is similar or identical in composition and labeling to: P. O. Box 18300 Greensboro, NC 27419 EPA Reg. No. Check if this is a new address **Product Name** Section - II Amendment - Explain below. Final printed labels in response to Agency letter dated NOTIFICATION Resubmission in response to Agency letter dated _____ "Me Too" Application. MAR 2 1 2001 Notification - Explain below. Other - Explain below. Explanation: Use additional page(s) if necessary. (For Section I and Section II.). This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA. The following changes are being made via this notification: 1) Company name and address have been updated to reflect Syngenta Crop Protection, Inc. 2) The Conditions of Sale and Warranty statement has been changed to reflect the name change. Because Syngenta has been formed by the merger of Novartis Crop Protection, Inc. and Zeneca Ag Products, we have chosen to use the former Zeneca warranty statement as the Syngenta warranty statement. No other changes occur in the statement other than the name change, 3) The copyright date reflects Syngenta. 4) Trademark statements have been updated to reflect Syngenta for those products for which Syngenta holds the trademark. 5) The Internet address has been changed to reflect Syngenta. 6) Other places in the label which referring to the company name have been updated. Section - III Material This Product Will Be Packaged In: Child-Resistant Packaging Unit Packaging Water Soluble Packaging Type of Container Yes Yes Yes Metal No No No Plastic Glass *Certification must If "Yes" If "Yes" No. per No. per Paper be submitted Unit Packaging wgt. Other (Specify) Container Unit Packaging wgt. container Location of Net Contents Information Size(s) Retail Container **Location of Label Directions** Label Container On Labeling accompanying product Other _ Manner in Which Label is Affixed to Product Lithograph Paper glued Stenciled Section - IV Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) Name Title Telephone No. (Include Area Code) Nan S. Padgett **Label Group** Leader 336-332-7567 Certification 6. Date Application I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete Received I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or (Stamped) both under applicable law. 2. Signature 3. Title New S. Pal att Label Group Leader

> 5. Date March 12, 2001

4. Typed Name

Nan S. Padgett

NOTIFICATION

MAR 2 1 2001

PULL ←ERE TO OPEN ►

RESTRICTED USE PESTICIDE

TOXIC TO FISH, MAMMALS, AND AQUATIC ORGANISMS

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

Proclaim[®]

100.0%



Active Ingredient: Emamectin benzoate

Total:

(CAS No. 137512-74-4) 5.0% Other Ingredients: 95.0%

Proctaim is a water-dispersible granule containing 5% active ingredient.

EPA Reg. No. 100-904 EPA Est. 67545-AZ-001

SCP 904A-L1E 0201

INSECTICIDE

For control of certain lepidopterous larvae (worms/caterpillars) on head and stem *Brassica* vegetables, celery, and head lettuce

KEEP OUT OF REACH OF CHILDREN. CAUTION

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

See additional precautionary statements and directions for use inside booklet.

19.2 OUNCES (1.21 POUNDS)

NET CONTENTS

syngenta

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for **Use** and **C**onditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate apticks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

Proclaim®



SYNGENTA 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, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably fore-seeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BETHE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

It is a violation of Federal (U.S.A.) 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 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 48 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
- Waterproof gloves
- Shoes plus socks
- · Protective eyewear

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL AND/OR ILLEGAL RESIDUES.

GENERAL INFORMATION

Proclaim is a selective insecticide for the control of the larval stages (worms/caterpillars) of certain lepidopteran species on head and stem *Brassica* vegetables, celery, and head lettuce. Although Proclaim has some contact activity, it should be ingested by larvae to be most effective. Affected larvae become paralyzed and stop feeding shortly after exposure to Proclaim, and subsequently die after 2-4 days.

Apply Proclaim to plant foliage when larvae first appear, but before populations build to damaging levels. Applications of Proclaim should be targeted at small (1/4 inch in length) larvae.

Thorough spray coverage is essential for optimum performance. Apply Proclaim in sufficient water to ensure good coverage of all plant surfaces. The use of greater water volumes will generally result in better coverage, especially under adverse conditions (e.g., hot, dry) or where a dense plant canopy exists. See the Recommended Applications of Proclaim section of this label for specific recommendations on spray volumes for different crops.

The use of a penetrating type spray adjuvant, at the manufacturer's suggested rate, is reconfinenced with all applications of Proclaim. The use of an adjuvant typically improves coverage and penetration and results in optimum insect control, especially in crops with hard-to-wet leaf surfaces. However, do not use sticker/binder type adjuvants because they may reduce translaminar movement of the active intyredlent into the plant

Proclaim has been tested for phytotoxicity and has a wide margin of safety on the crops listed on this label.

Do not use Proclaim in nurseries or in plant propagation houses, or on any plants grown for use as transplants.

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 drift to blooming crops or weeds if bees are visiting the treatment area.

APPLICATION PROCEDURES

Ground Spray Equipment

Spray nozzles should be uniformly spaced and of the same size, and should provide accurate and uniform application. Use spray nozzles which provide medium-sized droplets. To help assure accuracy, calibrate sprayer before each use. For information on spray equipment and calibration, consult sprayer manufacturers and/or state recommendations. All ground application equipment must be properly maintained and calibrated using appropriate carriers.

Applications using sufficient water volume to provide thorough and uniform coverage of the foliage generally provide the most effective lepidopteran pest control. For ground applications, use a minimum of 20 gals./A unless otherwise indicated in the **Recommended Applications** of Proclaim section of this label. In situations where a dense canopy exists and/or worm infestations are high, use greater water volumes.

Mixing Instructions

Prepare no more spray mixture than is needed for the immediate application. Thoroughly clean spray equipment before using this product. Agitate the spray solution before and during application. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply rinsate to a previously treated area. Keep product container tightly closed when not in use.

Proclaim Alone: Add ½ of the required amount of water to the spray or mixing tank. With the agitator running, add the Proclaim into the spray tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the Proclaim has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Note: Do not use liquid fertilizer as a carrier for Proclaim.

Proclaim + Tank Mixtures: Add 1/3 of the required amount of water to the mix tank. Start the agitator running before adding any tank mix partners. In general, tank mix partners should be added in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables), liquid flowables. liquids and emulsifiable concentrates. Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

Note: When using Proclaim in tank mixtures, all products in water-soluble packaging should be added to the tank before any other tank mix partner, including Proclaim. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.

If using Proclaim in a tank mixture, observe all directions for use, crop/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label. No label dosage rate should be exceeded, and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product which prohibits such mixing. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are labeled.

Compatibility: Proclaim is compatible with most insecticide, fungicide, and foliar nutrient products. However, the physical compatibility of Proclaim with tank mix partners should be tested before use. To determine the physical compatibility of Proclaim with other products, use a jar test as described below.

Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven acceptable, use the same procedure for adding required ingredients to the spray tank.

Note: The crop safety of all potential tank mixes on all crops may not have been tested. Before applying any tank mixture not specifically recommended on this label, the safety to the target crop should be confirmed.

Important: Do not tank mix Proclaim with Bravo® Weather Stik®, Dithane® Rainshield NT™, or any other pesticide containing a sticker component in its formulation, as this may result in a drastic reduction in insect control observed with Proclaim

Recommendations to Avoid Spray Drift

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.

Do not apply by ground within 25 ft. of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.

Make ground application when wind velocity favors on-target product deposition (approximately 3-10 mph). Do not apply when wind velocity exceeds 10 mph. Avoid applications when wind gusts approach 10 mph.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Do not cultivate within 25 ft. of the aquatic area as to allow growth of a vegetative filter strip.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

Proclaim®

5/8

Do not make ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Chemigation

Do not apply this product through any type of irrigation system.

Aerial Application

Do not apply this product by aircraft.

RESISTANCE MANAGEMENT

Because of the inherent risks of resistance development to any product, it is strongly advised that Proclaim be used in a sound resistance management program which includes rotation with other products with different modes of action.

RECOMMENDED APPLICATIONS OF PROCLAIM

Crop	Pest	Rate Per Acre Per Application	Remarks
Head and Stem Brassica Vegetables Cabbage Broccoli Cauliflower Brussels sprouts Chinese (napa) cabbage Chinese broccoli Cavalo broccolo Chinese mustard cabbage Kohlrabi	Beet armyworm Cabbage webworm Corn earworm Cross-striped cabbageworm Diamondback moth Fall armyworm Imported cabbageworm	Foliar application: 2.4-4.8 oz./A	Apply when larvae are first observed and repeat applications as necessary to maintain control.
			Use 2.4 oz./A for low to moderate infestations and 4.8 oz./A for severe infestations.
	Soybean looper Cabbage looper	Foliar application: 3.2-4.8 oz./A	Apply when larvae are first observed and repeat applications as necessary to maintain control.
			Use 3.2 oz./A for low to moderate infestations and 4.8 oz./A for severe infestations.
Head Lettuce Celery	Beet armyworm Fall armyworm Corn earworm Tobacco budworm Liriomyza leafminers1	Foliar application: 2.4-4.8 oz./A	Apply when larvae are first observed and repeat applications as necessary to maintain control.
			Use 2.4 oz./A for low to moderate infestations and 4.8 oz./A for severe infestations.
	Soybean looper Cabbage looper	Foliar application: 3.2-4.8 oz./A	Apply when larvae are first observed and repeat applications as necessary to maintain control.
			Use 3.2 oz./A for low to moderate infestations and 4.8 oz./A for severe infestations.

¹Proclaim provides suppression of *Liriomyza trifolii* and *Liriomyza sativae* populations. Suppression means either erratic control ranging from good to poor, or consistent control at a level below that which is generally considered acceptable for commercial control.

Do not apply at rates lower than those recommended on this label.

Thorough spray coverage of plant foliage is essential for optimum control. Apply in sufficient water to ensure good coverage, use a minimum of 20 gals./A with Proclaim applied by ground. The use of a penetration type spray adjuvant at the manufacturer's suggested rate is recommended to provide optimum coverage and insect control. Do not use a sticker/binder type adjuvant.

Do not make more than two sequential applications for worm control or leafminer suppression without rotating to another insect control product with a different mode of action.

Do not apply by aircraft.

Do not apply more than 4.8 oz./A per application. Do not exceed a total of 28.8 oz./A per crop per season.c Allow a minimum of 7 days between applications. Allow 7 days (PHI) between the last application and harvest.

Do not graze livestock in treated areas.

ROTATIONAL RESTRICTIONS

There are no rotational (plantback) restrictions with Proclaim. Treated areas may be replanted with any crop as soon as practical following the last application.

STORAGE AND DISPOSAL

Storage

Store in a tightly closed original container in a cool, dry place.

Prohibitions

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

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

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

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

First Aid

If in eyes: Flush eyes with plenty of water, Get medical attention if irritation persists.

If swallowed: Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by gently touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If on skin: Remove contaminated clothing and wash affected areas with soap and water. Get medical attention if irritation persists.

Recommendations for Medical Treatment for Emamectin Benzoate Acute Toxicity: Early signs of intoxication include mydriasis (dilated pupils), ataxia (unsteadiness), and muscle tremors. Toxicity following accidental ingestion of the concentrate can be minimized by inducing vomiting within one-half hour of exposure. If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels) as indicated by clinical signs, symptoms, and measurements.

In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since emamectin benzoate is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic emamectin benzoate exposure.

For 24-hour emergency information, call 1-800-888-8372.

Personal Protective Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- · Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow 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. 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 pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothes immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing

Proclaim®

Environmental Hazards

This pesticide is toxic to fish, birds, mammals, and aquatic invertebrates. 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 cleaning equipment or disposing of equipment wash water or rinsate.

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 drift to blooming crops or weeds if bees are visiting the treatment area.

Physical or Chemical Hazards

Do not use or store near heat or open flame.

Proclaim® trademark of Syngenta

Bravo® and Weather Stik® trademarks of a Zeneca Corporation

Dithane® and Rainshield NT™ trademarks of Rohm and Haas Company

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Syngenta Crop Protection, Inc. Greensboro, North Carolina 27409 www.syngenta-us.com SCP 904A-L1E 0201



RESTRICTED USE PESTICIDE

TOXIC TO FISH, MAMMALS, AND AQUATIC ORGANISMS

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

INSECTICIDE

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Emamectin benzoate

Other Ingredients:

95.0% 100.0%

Proclaim is a water-dispersible granule containing 5% active ingredient.

See additional precautionary statements and directions for use inside booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-904

EPA Est. 67545-AZ-001

Proclaim® trademark of Syngenta

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Made in U.S.A.

Syngenta Crop Protection, Inc. Greensboro, North Carolina 27409 www.syngenta-us.com

SCP 904A-L1E 0201

19.2 OUNCES (1.21 POUNDS)

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Refer to First Aid section in attached booklet for additional precautionary statements.

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