



71711-15

8-16-2001

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Read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0080, Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

- Registration
- Amendment
- Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 71711-15	2. EPA Product Manager Marion Johnson	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Applaud 70 WP Plant Growth Regulator	PM# 10	
5. Name and Address of Applicant (Include ZIP Code) Nichino America, Inc. 4550 New Linden Hill Road, Suite 501 Wilmington, DE 19808 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated <u>July 25, 2001</u>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below. <u>AUG 16 2001</u>

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Attachments:

- Letter, M.A. Maks to M. Johnson, dated August 7, 2001
- Six (6) copies of label, identified as 08/07/01
- One (1) copy of label, with changes highlighted
- Transfer of registration letter (D. Parker to M. Maks, dated July 25, 2001)

Section - III

1. Material This Product Will Be Packaged In:						2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	<input checked="" type="checkbox"/> Glass	<input type="checkbox"/> Paper
				5, 1.08 lb. box	5; 3	<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 5 lb bag; 1.08 lb. box		5. Location of Label Directions <input type="checkbox"/> Attached			
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued Stenciled						<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Marie A. Maks	Title Manager, Regulatory Affairs	Telephone No. (Include Area Code) (302) 636-9001
<p align="center">Certification</p> <p>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.</p>		6. Date Application Received (Stamped)
2. Signature <i>Marie A. Maks</i>	3. Title Manager, Regulatory Affairs	
4. Typed Name Marie A. Maks	5. Date <i>August 7, 2001</i>	

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NICHINO AMERICA, INC.

4550 New London Road, Suite 501, Wilmington, DE 19808
Tel. (302) 636-9000 Fax: (302) 636-8122

Certification Statement

**NOTIFICATION OF CHANGE IN WARRANTY STATEMENT
PER PR NOTICE 98-10**

**Nichino America, Inc. Applaud @ 70 WP Insect Growth Regulator
(EPA Reg. No. 71711-15)**

"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 the 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."

NOTIFICATION
AUG 16 2001

Marie A. Maks
Marie A. Maks

Manager, Regulatory Affairs
Title

August 28, 2001
Date

Nichino America, Inc.

APPLAUD[®] 70WP Insect Growth Regulator

FOR LETTUCE, MELONS, CUCUMBERS, PUMPKINS AND SQUASH

ACTIVE INGREDIENT:

Buprofezin: 2-*tert*-butylimino-3-isopropyl-5-phenyl-1,3,5-thiadiazinan-4-one 70.00%

INERT INGREDIENTS: 30.00%

Contains 0.70 lbs. buprofezin per pound of product TOTAL 100.00%

EPA Reg. No. 71711-15

EPA Est. No. 67545-AZ-1

KEEP OUT OF REACH OF CHILDREN CAUTION

In case of medical emergencies or health and safety inquiries, information may be obtained by calling 1-800-348-5832. For product information use internet site www.nichino.net

FIRST AID

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or if available by administering syrup of ipecac. If person is unconscious, do not give anything by mouth and do not induce vomiting.

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin.

Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash before reuse.

Applicators and other handlers must wear:

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

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.

ENGINEERING CONTROLS STATEMENT

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.

ENVIRONMENTAL HAZARDS

For terrestrial uses, 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 by cleaning of equipment or disposal of equipment washwaters.

NOTIFICATION

NOTIFICATION
AUG 16 2001

DIRECTIONS FOR USE

It is a violation of Federal 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 restricted entry interval (REI) of 12 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 over long-sleeved shirt and long pants
- Waterproof gloves
- Socks and chemical-resistant footwear

GENERAL INFORMATION

APPLAUD® 70WP Insect Growth Regulator contains the active ingredient, buprofezin. It is effective against the nymph stages of whitefly by inhibiting chitin biosynthesis. APPLAUD® 70WP is not disruptive to beneficial insects and mites.

Good coverage is essential. Apply by ground or air in sufficient water volume. Orient nozzles to assure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated.

Apply when economic infestations occur based on local information.

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

MIXING, LOADING AND HANDLING INSTRUCTIONS

USE PRECAUTIONS

DO NOT use APPLAUD® 70WP water soluble bags in a tank mix with products that contain boron, chromium or other micronutrients.

GENERAL HANDLING INSTRUCTIONS

APPLAUD® 70WP insect growth regulator is sealed in 1.0 lb. water-soluble bags. Do not open the foil-lined outer box until time of use. Do not use a knife or other sharp object to open the foil lined outer box. Once the outer protective box has been opened, the water-soluble bag inside can be dropped into the spray tank at the appropriate time.

SPECIFIC MIXING INSTRUCTIONS: To ensure proper mixing of the soluble bags, follow the instructions below:

1. **APPLAUD® 70WP ALONE:** Begin by filling the spray tank with clean water to prime the system (about 6 to 8 inches for most sprayers.) Turn off the fill valve and drop the recommended number of soluble bags into the tank, distributing them across the bottom but not covering the circulation and outlet holes. After the bags have **soaked for 2 minutes**, start the agitation and **agitate thoroughly for 2 minutes**. With the agitation on, continue to fill the spray tank to the desired level. Agitate during spraying. If spraying must be stopped before emptying the sprayer, resume agitation before spraying the remainder of the load.

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2. **APPLAUD® 70WP TANK MIXTURES:** Follow all use directions as listed above under APPLAUD® 70WP ALONE with the following exception: after the APPLAUD® 70WP bags are thoroughly mixed and the **water is added to fill the tank ½ full**, add the recommended amount of wettable powder, soluble powder, flowable, emulsifiable concentrate, or soluble liquid product, **while maintaining agitation**. If a spray additive is needed, add a liquid fertilizer (**except** fertilizers containing boron, chromium or other micronutrients, see *USE PRECAUTIONS*), surfactant, or crop oil concentrate to the spray tank. Then continue adding water to the tank to achieve the desired level, while maintaining agitation.
3. **APPLAUD® 70WP TANK MIXTURES WITH PRODUCTS IN WATER SOLUBLE PACKAGING:** Follow all use directions as listed above under APPLAUD® 70WP ALONE with the following exception – add the desired number of other water soluble bags to the tank (if allowed by their label instructions) at the same time the APPLAUD® 70WP bags are added to the spray tank.

HANDLING PRECAUTIONS FOR WATER-SOLUBLE BAGS

- Do not allow the foil lined outer box or portions thereof to fall into spray tank as they are not water-soluble and may clog the sprayer.
- Do not handle the soluble bag with wet gloves, as the bag will begin to dissolve on contact with even a small amount of water.
- Do not open the soluble bag or attempt to remove the APPLAUD® 70WP from it. The product is not designed to be re-measured or subdivided; the entire contents of the water-soluble bag must be used.

Refer to the charts below for the proper application rate of APPLAUD® 70WP Insect Growth Regulator.

**APPLICATION RATE CHART FOR
APPLAUD® 70WP INSECT GROWTH REGULATOR**

Crop	Pest	RATE/ACRE	
		Lb. ai/A	Lb. formulated/A
Melons (cantaloupe, honeydew melons, watermelons, muskmelons)	Whitefly	0.25 – 0.38	0.36 – 0.54
Cucumbers			
Pumpkins			
Squash			
Lettuce (head and leaf)			

Treatment should be made when population level reaches economic threshold. Consult local or State agricultural authorities for details. Do not make more than two applications per season per crop. Allow at least 5 days between applications.

Do not apply within 7 days of harvest.

Apply in a minimum finished spray volume of 5 gallons per acre by air or 20 gallons per acre by ground.

Do not plant crops not listed on this label within 120 days following application.

**APPLICATION CHART FOR DETERMINING NUMBER OF WATER SOLUBLE BAGS
OF APPLAUD® 70WP INSECT GROWTH REGULATOR**

lb. ai/A	RATE lb. formulated/A	Number of 1.0 lb. bags	Number of Acres Treated
0.25	0.36	1	2.8
0.25	0.36	3	8.4
0.25	0.36	5	14.0
0.38	0.54	1	1.8
0.38	0.54	3	5.5
0.38	0.54	5	9.2

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RESISTANCE MANAGEMENT

Whiteflies are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or State agricultural authorities for details.

STORAGE AND DISPOSAL

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

STORAGE: Store in original container, unopened, in a cool, dry place.

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: Remove inner water-soluble bag from outer packaging and place inner bag into application equipment. Then dispose of empty outer packaging in a sanitary landfill, or by incineration, or, if allowed by State or local authorities, by burning. If burned, stay out of smoke.

IMPORTANT: READ BEFORE USE

WARRANTY STATEMENT

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: Nichino America, Inc. (NAI) warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. The directions for use of this product are believed to be accurate and should be followed carefully. However, because of extreme weather and soil conditions, use methods and other factors beyond the control of Nichino America, Inc., it is impossible for NAI to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks are assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: NAI makes NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NAI is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. NAI disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT THE ELECTION OF NICHINO AMERICA, THE REPLACEMENT OF PRODUCT.

Nichino America, Inc. 2001

Nichino America, Inc.
4550 New Linden Hill Road, Suite 501
Wilmington, DE 19808

APPLAUD is a registered trademark.

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