

71711-15

9/15/2003

1/12

United States Environmental Protection Agency

Marie A. Maks, Manager, Regulatory Affairs
Nichino America, Inc.
Linden Park, Suite 501
4550 New Linden Hill Road
Wilmington, DE 19808

SEP 15 2003

SUBJECT: Section 3 Registration for Application of Buprofezin to Snap Bean (ID# - 2E06455); Lychee, Longan, Spanish Lime, Rambutan, and Pulasan (ID# - 2E06369); and Pistachio in accordance with the tolerances established per the Federal Register Vol. 68. No. 122 p. 37765-37772, June 25, 2003, and subsequent letter of agreement to satisfy the Agency's data requirements per the established tolerances.

Product Registration No: 71711-15
Product Name: Applaud® 70 WP Insect Growth Regulator
Date of submission: July 15, 2003 and August 28, 2003 respectively

Dear Ms. Maks,

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), 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. Outlined in a Nichino America, Inc. letter of commitment dated August 28, 2003, the following Agency data requirements must be satisfied by Nichino America, Inc. as follows:

Data requirement	Acceptable data to be submitted on or before the following dates:
A 28-day inhalation study in rats which includes thyroid hormone measurements (T3, T4, and TSH)	December 31, 2005

CONCURRENCES

SYMBOL ▶	H7505C							
SURNAME ▶	RGEBKEN							
DATE ▶	Sep 15, 2003							

Storage stability data validating the following intervals for buprofezin, BF9, and BF12: wheat forage, hay, and straw - 29 months, wheat grain - 21 months; sugar beet top and root - 24 months; mustard greens - 28 months; turnip tops and roots - 29 months; and carrot - 26 months (snap bean registration)	December 31, 2006
Storage stability data validating the following interval for buprofezin: almond nutmeat- 331 days (pistachio registration)	December 31, 2008
A revised Section B (snap bean indicating a 120-day plant back interval for all non-labeled crops, and lychee, longan, Spanish lime, rambutan, and pulasan indicating that only ground applications are permitted with a minimum spray volume of 75 gallons/acre	July 15, 2003 label submission (satisfied)
A revised Section F (snap bean and lychee, longan, Spanish lime, rambutan, and pulasan registrations with the correct commodity definitions and numerical tolerances should be submitted.)	Submitted May 2003.

A stamped copy is enclosed for your records. If you have any questions, you may contact Richard J. Gebken, at (703) 305-6701.

Sincerely,



Linda Arrington
 Acting Product Manager 10
 Insecticide Branch
 Registration Division (7505C)

enclosure

3/12

Nichino America, Inc.

APPLAUD® 70WP Insect Growth Regulator The Intelligent Choice™

FOR Almonds, Bananas, Citrus, Cotton, Cucurbits (including cucumbers, melons, pumpkins, squash), Grapes, Lettuce, Longan, Lychee, Pulasan, Rambutan, Spanish Lime, Snap Beans, Tomatoes, and Ornamentals

ACTIVE INGREDIENT:

Buprofezin: 2-tert-butylimino-3-isopropyl-5-phenylperhydro-1,3,5-thiadiazin-4-one..... 70.00%

OTHER INGREDIENTS:..... 30.00%

TOTAL 100.00%

Contains 0.70 lbs. buprofezin per pound of product

Marketing Brands

Applaud - Almonds, Bananas, Citrus, Grapes, Longan, Lychee, Pulasan, Rambutan, Spanish Lime and Ornamentals
Courier - Cotton, Cucurbits (including cucumbers, melons, pumpkins, squash), Lettuce, Snap Beans, Tomatoes,
Talus - Greenhouse Tomatoes and Ornamentals

EPA Reg. No. 71711-15
EPA Est. No. 67545-AZ-1

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
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 by mouth to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
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 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.
If swallowed	<ul style="list-style-type: none"> • Call 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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-348-5832 for emergency medical treatment information. In case of fire or spills, information may be obtained by calling 1-800-424-9300.	

NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

For product information use internet website www.nichino.net

Net Contents: _____

Active Ingredient Made in Japan; Formulated and Packaged in U.S.A.

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

ACCEPTED
with COMMENTS
In EPA Letter Dated
SEP 15 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
71711-15

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.

User Safety Recommendations

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

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.

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.

IMPORTANT - Read the entire Directions for Use and Disclaimer of Warranties before using this product.

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

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

GENERAL INFORMATION

APPLAUD® 70WP insect growth regulator contains the active ingredient, buprofezin. It is effective against the nymph stages of whitefly, scales, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs. Treated susceptible pests may remain alive on the plant for 3-7 days, but feeding damage during this time is typically very low. 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.

APPLAUD is not permitted for sale, use, or distribution in Nassau and Suffolk counties in the state of New York.

COURIER is not permitted for sale, use, or distribution in Nassau and Suffolk counties in the state of New York.

TALUS, when used for outdoor and greenhouse ornamental production in containers and greenhouse tomatoes, is permitted for sale, use, or distribution in Nassau and Suffolk counties in the state of New York. TALUS is not permitted for sale, use, or distribution on field grown ornamentals in Nassau and Suffolk counties in the state of New York.

INSECTS CONTROLLED

Whiteflies: Silverleaf whitefly (*Bemisia argentifolii*); Sweet potato whitefly (*Bemisia tabaci*); Greenhouse whitefly (*Trialeurodes vaporariorum*); Ash whitefly (*Siphoninus phillyrae*)

Mealybugs: Grape mealybug (*Pseudococcus maritimus*); Vine mealybug (*Planococcus ficus*); Citrus mealybug (*Planococcus citri*); Comstock mealybug (*Pseudococcus comstocki*); Longtailed mealybug (*Pseudococcus longispinus*); Mexican mealybug (*Phenacoccus gossypii*); Obscure mealybug (*Pseudococcus affinis*)

Leafhoppers and Planthoppers: Eastern grape leafhopper (*Erythroneura comes*); Glassy-winged sharpshooter (*Homolodisca coagulata*); Variegated leafhopper (*Erythroneura variabilis*); Western grape leafhopper (*Erythroneura elegantula*); Cherry leafhopper (*Fieberiella florii*); Potato leafhopper (*Empoasca fabae*); Brown planthopper (*Nilaparvata lugens*)

Scales:

Soft Scales: Citricola scale (*Coccus pseudomagnoliarum*); Barnacle scale (*Ceroplastes cimpediformis*); Black scale (*Saissetia oleae*); Brown soft scale (*Coccus hesperidum*); False oleander scale (*Pseudaulacaspis cockerelli*); Hemispherical scale (*Saissetia coffeae*); Indian wax scale (*Ceroplastes ceriferus*) and other wax scales; Tessellated scale (*Eucalymnatus tessellatus*); White peach scale (*Pseudaulacaspis pentagona*)

Armored Scales: Boisduval scale (*Diaspis boisduvallii*); Cactus scale (*Diaspis echinocacti*); California red scale (*Aonidiella aurantii*); Coconut scale (*Aspidiotus destructor*); Fern scale (*Pinnaspis aspidistrae*); Florida red scale (*Chrysomphalus aonidium*); Oystershell scale (*Lepidosaphes ulmi*); San Jose scale (*Quadraspidiotus perniciosus*)

Margarodid Scale: Cottony cushion scale (*Icerya purchasi*)

MIXING, LOADING, AND HANDLING INSTRUCTIONS

USE PRECAUTIONS

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

GENERAL HANDLING INSTRUCTIONS

APPLAUD 70WP insect growth regulator is sealed in water-soluble bags. Do not open the foil-lined outer packaging until time of use. Do not use a knife or other sharp object to open the foil-lined outer packaging. Once the outer protective packaging 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:

- 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.
- 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

6/12

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 packaging 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 remeasured 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.

RESISTANCE MANAGEMENT

APPLAUD 70 WP belongs to a class of chemicals not previously used as pesticides and not known to be cross-resistant to other classes of insecticides. However, insect pests are known to develop resistance to products used repeatedly. Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for the crop and use area. Such strategies may include rotating with insecticides with different modes of action. Consult your local pest control advisor or extension office for details. If resistance to this product develops in your area, it may not provide adequate control. If you experience difficulty with control, and resistance is a likely cause, consult your local state university horticultural specialist or local agricultural authorities for the best alternative method of control. To preserve the usefulness of APPLAUD 70WP, do not make more than two consecutive applications. Use an alternative chemistry with a different mode of action between applications. * If a different crop in an adjacent field has been treated with buprofezin against whitefly within the past 28 days, do not apply APPLAUD 70WP as the first whitefly application. Always consult your local crop advisor for the most appropriate control decision for your area. Resistance management strategies advise against applying rates lower than those recommended on the label.

* For marketing brand, Talus, delete this statement and replace with: **If another insect growth regulator with the mode of action as a chitin synthesis inhibitor (ie. cyromazine, diflubenzuron, and novaluron) has been used in the greenhouse within 28 days, do not apply Talus as the first whitefly application.**

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

Crop	Pest	Rate	DOSAGE RATES	
			lb Formulated Product	
Almonds ¹	San Jose scale	1.5-2.0 lb ai/A	2.14-2.86	(35 to 46 oz)
Bananas ²	Whiteflies, leafhoppers, mealybugs, scales	0.31 lb ai/A	0.44	(7 oz)
Citrus ³	California red scale Citricola scale	1.5-2.0 lb ai/A	2.14-2.86	(35 to 46 oz)
Cotton ⁴	Whiteflies	0.35 lb ai/A	0.50	(8 oz)
Cucurbits ⁵ (including cucumbers, melons, pumpkins, squash)	Whiteflies	0.25-0.38 lb ai/A	0.36 - 0.54	(6 to 9 oz)
Grapes ⁶	Leafhoppers, mealybugs	0.38-0.50 lb ai/A	0.54 - 0.71	(9 to 12 oz)
Lettuce ⁷	Whiteflies	0.25-0.38 lb ai/A	0.36 - 0.54	(6 to 9 oz)
Longan, Lychee, Pulasan, Rambutan, and Spanish Lime ⁸	Scales	1.58 lb ai/A		(36oz)
Snap Bean ⁹	Whiteflies	0.38 lb ai/A	0.54	(9 oz)
Tomatoes ¹⁰	Whiteflies	0.25-0.38 lb ai/A	0.36 - 0.54	(6 to 9 oz)
Ornamental plants in nurseries; landscape ornamentals; ground covers; field- and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries; Christmas trees ¹¹	Whiteflies	0.25 lb ai/100 gal	0.36 lb	(6 oz.)
	Mealybugs	0.50 lb ai/100 gal	0.71 lb	(12 oz.)
	Leafhoppers	0.50 lb ai/100 gal	0.71 lb	(12 oz.)
	Scales	0.60 lb ai/100 gal	0.86 lb	(14 oz.)

¹ Almonds

Treatment should be applied when peak crawler emergence occurs. Consult local or State agricultural authorities for details. Good coverage is essential. Apply by ground application using a minimum of 400 gallons of water per acre. Apply no more than one application per season. Do not apply within 60 days of harvest.

² Bananas

Treatment should be applied when population level reaches economic threshold. Consult local or State agricultural authorities for details. Good coverage is essential. Apply by ground in a minimum of 15 gallons of water per acre. Use of a higher volume of water will assure better coverage, especially under adverse conditions, such as hot, dry weather and/or a dense canopy. Apply no more than four applications per season. Allow at least 14 days between applications. Do not apply within one day of harvest.

³ Citrus

Treatment should be made when peak crawler emergence occurs. Consult local and State agricultural authorities for details. Good coverage is essential. Apply by ground application using 750 to 2000 gallons of water per acre. Apply no more than two applications per season. Allow at least 60 days between applications. Do not apply within 60 days of harvest.

- 4 Cotton
Do not apply within 21 days of harvest in California and 14 days of harvest outside California.
Treatment should be applied when population level reaches economic threshold. Consult local and State agricultural authorities for details.
Good coverage is essential. With ground application, use 10 to 50 gallons of water per acre. For aerial application, use a minimum of 5 gallons per acre. Orient nozzles to assure good coverage. Use of a 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 no more than two applications per season. Allow at least 28 days between applications.
See the **RESISTANCE MANAGEMENT** section.
- 5 Cucurbits [including cucumbers; melons (cantaloupe, honeydew melons, watermelons, muskmelons); pumpkins; squash]
Allow at least 7 days between applications to cucurbit crops.
Do not apply within 7 days of harvest in cucumbers.
Do not apply within 10 days of harvest in California and 7 days outside California in melons, pumpkins, and squash.
Do not make more than 2 applications per crop cycle. Do not make more than 4 applications per year.
- 6 Grapes
Treatment should be applied when population level reaches economic threshold. Consult local and State agricultural authorities for details.
Good coverage is essential. Apply by ground application using 50 to 200 gallons of water per acre, depending on the size of the grapes. Orient nozzles to assure good coverage. Use of a higher volume of water will assure better coverage, especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
Apply no more than two applications per crop cycle. Allow at least 14 days between applications.
Do not apply within 30 days of harvest.
- 7 Lettuce (head and leaf)
Do not apply within 10 days of harvest in California and 7 days outside California.
Allow at least 7 days between applications to lettuce.
Do not make more than 2 applications per crop cycle. Do not make more than 4 applications per year.
- 8 Longan, Lychee, Pulasan, Rambutan, and Spanish Lime
Apply by ground in a minimum of 75 gal/acre spray volume.
Allow at least 14 days between applications.
Do not make more than 2 applications per year.
Do not apply within 21 days of harvest.
Do not exceed 72 oz/A (3.16 lb ai/A) per year.
- 9 Snap Bean
Allow at least 14 days between applications.
Do not exceed 0.76 lb ai/A per crop cycle.
Do not plant rotational crops other than those listed on this label for 120 days after the last application of Applaud.
Do not apply within 14 days of harvest.
- 10 Tomatoes
Treatment should be applied when population level reaches economic threshold. Consult local and State agricultural authorities for details.
Good coverage is essential. Apply in a minimum finished spray volume of 5 gallons per acre by air or 20 gallons per acre by ground to accommodate for the size of the tomato plants. Orient nozzles to assure better coverage. Use of a 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 no more than two applications per growing cycle. Allow at least 28 days between applications.
Do not apply within 7 days of harvest.
See the **RESISTANCE MANAGEMENT** section.
*For marketing brand Talus, delete this section and replace with: Good coverage is essential. For greenhouse tomatoes, apply by ground on 2 acres as a minimum with 20 gallons water per acre. Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume or ultra low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
- 11 Ornammentals
Apply the specified dosage as a foliar spray in sufficient water for complete, uniform coverage, including stems and underside of leaves. Spray to the point of runoff.
For whitefly or leafhopper control: Make first application as soon as adult insects begin to appear.

9/12

For mealybug control: Make first application as soon as insect activity is observed.

For scale control: Make first application when crawlers are emerging.

If additional insecticide applications are required for control, use another class of chemistry or a different insect Growth Regulator (IGR) with a different mode of action before making a second application of buprofezin.

Make no more than 2 applications of buprofezin per crop per season.

Consult local or state agricultural authorities for details concerning economic thresholds for each target pest.

USE PRECAUTIONS

*Apply in a minimum finished spray volume of 5 gallons per acre by air or 20 gallons per acre by ground, unless otherwise specified in Directions for Use.

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

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

* For marketing brand Talus in the greenhouse, delete above sentences indicated with * and replace with: Apply in a minimum of 20 gallons per acre. Be sure to apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume, or ultra low volume (thermal and non-thermal foggers, misters, etc.) ground equipment. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.

10/12

Application Chart for Determining Dosage Rate of Applaud 70WP and Talus

Rate lb ai/A	lb Formulated/A	Number of 1.08 lb Packages (containing 3 X 0.36 lb water- soluble bags)	Number of Acres Treated
0.25	0.36		2.8
			8.4
			14.0
		1	3.0
0.31	0.44	3	9.0
		5	15.0
			2.3
			6.8
0.35	0.50		11.4
		1	2.5
		3	7.4
		5	12.3
0.38	0.54		2.0
			6.0
			10.0
		1	2.2
0.50	0.71	3	6.5
		5	10.8
			1.8
			5.5
1.5	2.14		9.2
		1	2.0
		3	6.0
		5	10.0
2.0	2.86		1.4
			4.2
			7.0
		1	1.5
		3	4.6
		5	7.6
			0.5
			1.4
			2.3
		1	0.5
		3	1.5
		5	2.5
		1	0.4
		3	1.1
		5	1.8

11/12

Application Chart for Determining Dosage Rate of Courier

Rate lb ai/A	lb Formulated/A	Number of 1 lb Water-Soluble Bags (within 5 lb outer packaging)	Number of Acres Treated
0.25	0.36	1	2.8
		3	8.4
		5	14.0
			3.0
			9.0
			15.0
0.31	0.44	1	2.3
		3	6.8
		5	11.4
			2.5
			7.4
			12.3
0.35	0.50	1	2.0
		3	6.0
		5	10.0
			2.2
			6.5
			10.8
0.38	0.54	1	1.8
		3	5.5
		5	9.2
			2.0
			6.0
			10.0
0.50	0.71	1	1.4
		3	4.2
		5	7.0
			1.5
			4.6
			7.6
1.5	2.14	1	0.5
		3	1.4
		5	2.3
			0.5
			1.5
			2.5
2.0	2.86	1	0.4
		3	1.1
		5	1.8

12/12

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

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

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. (NAI), 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: THERE ARE 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.

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