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

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

If inhaled
• 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
• 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
• 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
• 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.

See attached pamphlet on back panel for Precautionary Statements and Directions or Use.

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

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

Net Contents:
1.08 lb. (3 x 0.36 lb)

www.nichino.net
Nichino America, Inc.

CENTAUR®
INSECT GROWTH REGULATOR

ACTIVE INGREDIENT:
Buprofezin: 2-tert-butylnitro-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
EPA Reg. No. 71711-13

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

If inhaled
• 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
• 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
• 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
• 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.

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.
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

CENTAUR insect growth regulator is a water-soluble granule. It contains the active ingredient, buprofezin. It is effective against the nymph stages of leafhoppers and planthoppers, mealybugs, pear psylla, scales, and whiteflies 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. CENTAUR 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.

CENTAUR is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.

INSECTS CONTROLLED

Leafhoppers and Planthoppers: Eastern grape leafhopper; Glassy-winged sharpshooter; Variegated leafhopper; Western grape leafhopper; Cherry leafhopper; Potato leafhopper; Brown planthopper

Mealybugs: Grape mealybug; Vine mealybug; Citrus mealybug; Comstock mealybug; Gilli mealybug; Longtailed mealybug; Mexican mealybug; Obscure mealybug; Striped mealybug

Pear Psylla

Scales:

Soft Scales: Citriococcus scale; Barnacle scale; Black scale; Brown soft scale; False olender scale; Hemispherical scale; Indian wax scale and other wax scales; Tessellated scale; White peach scale

Armored Scales: Boisduval scale; Cactus scale; California red scale; Coconut scale; Fern scale; Florida red scale; Oystershell scale; San Jose scale

Margarodid Scale: Cottonty cushion scale

Whiteflies: Ash whitefly; Greenhouse whitefly; Silverleaf whitefly; Sweet potato whitefly

MIXING, LOADING, AND HANDLING INSTRUCTIONS

USE PRECAUTIONS

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

GENERAL HANDLING INSTRUCTIONS

CENTAUR 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:

1. CENTAUR 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 sprayer the remainder of the load.

2. CENTAUR TANK MIXTURES: Follow all use directions as listed above under CENTAUR ALONE with the following exception: after the CENTAUR bags are thoroughly mixed and the water is added to fill the tank ¼ full, add the recommended amount of wettable powder, soluble powder, of other 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. CENTAUR TANK MIXTURES WITH PRODUCTS IN WATER-SOLUBLE PACKAGING: Follow all use directions as listed above under CENTAUR 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 CENTAUR 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 may begin to dissolve on contact with even a small amount of water.
- Do not open the soluble bag or attempt to remove the CENTAUR 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 CENTAUR insect growth regulator.
RESISTANCE MANAGEMENT

CENTAUR 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. Resistance management strategies advise against applying rates lower than those recommended on the label.

APPLICATION RATE CHART FOR CENTAUR INSECT GROWTH REGULATOR

<table>
<thead>
<tr>
<th>Crop</th>
<th>Insects</th>
<th>Ounces Formulated Product / Acre</th>
<th>Comments and Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almonds</td>
<td>Mealybugs</td>
<td>9 to 12 oz</td>
<td>• Treatment should be applied when peak crawler emergency occurs. Consult local and State agricultural authorities for details.</td>
</tr>
<tr>
<td>Pistachios</td>
<td></td>
<td></td>
<td>• Good coverage is essential. Apply by ground application using a minimum of 400 gallons of water per acre.</td>
</tr>
<tr>
<td></td>
<td>Scales</td>
<td>34.5 oz</td>
<td>• Apply no more than one application per season.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Do not apply more than 34.5 oz per acre per year.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Do not apply within 60 days of harvest.</td>
</tr>
<tr>
<td>Apples</td>
<td>Leafhoppers</td>
<td>34.5 oz</td>
<td>• Treatment should be made when peak crawler emergency occurs. Consult local and State agricultural authorities for details.</td>
</tr>
<tr>
<td>Crabapple</td>
<td></td>
<td></td>
<td>• Good coverage is essential. Apply by ground application using a minimum of 20 gallons of water per acre.</td>
</tr>
<tr>
<td>Loquat</td>
<td></td>
<td></td>
<td>• Apply no more than one application per year.</td>
</tr>
<tr>
<td>Mayhaw</td>
<td></td>
<td></td>
<td>• Do not apply more than 34.5 oz per acre per year.</td>
</tr>
<tr>
<td>Quince</td>
<td></td>
<td></td>
<td>• Do not apply within 60 days of harvest.</td>
</tr>
<tr>
<td>Peaches</td>
<td>Mealybugs</td>
<td>9 to 12 oz</td>
<td>• Treatment should be made when peak crawler emergency occurs. Consult local and State agricultural authorities for details.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Good coverage is essential. Apply by ground application using a minimum of 50 gallons of water per acre.</td>
</tr>
<tr>
<td></td>
<td>Scales</td>
<td>34.5 to 46 oz</td>
<td>• Apply no more than one application per year.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Do not apply more than 69 oz per acre per year.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Do not apply within 14 days of harvest.</td>
</tr>
<tr>
<td>Pear</td>
<td>Pear psylla</td>
<td>34.5 oz</td>
<td>• Treatment should be made when peak crawler emergency occurs. Consult local and State agricultural authorities for details.</td>
</tr>
<tr>
<td>Oriental Pears</td>
<td></td>
<td></td>
<td>• Good coverage is essential. Apply by ground application using a minimum of 20 gallons of water per acre.</td>
</tr>
<tr>
<td></td>
<td>Scales</td>
<td>34.5 to 46 oz</td>
<td>• Apply no more than two applications per year.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Allow at least 7 days between applications.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Do not apply more than 69 oz per acre per year.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Do not apply within 14 days of harvest.</td>
</tr>
</tbody>
</table>

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.

Crop Rotational Restrictions: All crops listed on this label may be planted at any time. Small grain crops and leafy vegetables may be planted 30 days following application. All other crops may be planted 60 days following application.

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