33906-15 02-24-2004 1/20

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:
_x_ Registration
____ Reregistration

(under FIFRA, as amended)

EPA Reg. Number: 33906-15

Date of Issuance: FEB 24 2004

Term of Issuance: Conditional

Name of Pesticide Product: NC-129 75WP

Name and Address of Registrant (include ZIP Code):

NISSAN Chemical America Corporation
122 C Street, NW, SUITE 740
Washington, D.C. 20001

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

a. Revise the EPA Registration Number to read, "EPA Reg. No. 33906-15".

Signature of Approving Official: Richard Cole

Date: FEB 24 2004

EPA Form 8570-6

Submit two copies of the final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Richard Gebken, Acting
Product Manager 10
Insecticide Branch
Registration Division 7505c

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Following are use labels for products applicable to EPA Registration Number 33906-###

NC-129 75WP miticide/insecticide (for use on citrus)
NC-129 75WP miticide/insecticide (for use on grapes, nectarines, peaches, plums, prunes, pistachio, almonds and other tree nuts in California)
NC-129 75WP miticide/insecticide (for use on ornamental plants grown in greenhouse and outdoors)

MASTER LABEL

Nissan Chemical Industries, Ltd.

NC-129 75WP

miticide/insecticide

Active Ingredient:
[2-*tert*-butyl-5-(4-*tert*-butylbenzylthio)-4-chloropyridazin-3(*2H*)-one] 75%
Inert Ingredients: 25%
Total 100%
plus water-soluble packaging

EPA Registration Number 33906-RL **EPA Est. No. #####-##-##**
U.S. Patent Number: 4,877,787

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

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.)

See inside booklet for complete **Precautionary Statements, Directions For Use,** and **Conditions of Sale and Warranty.**

Net contents: 2.06 pounds (five 6.6-ounce water-soluble bags)
0.25 pound (four 1-ounce water-soluble bags)

Product of Japan; formulated in the United States with U. S. and imported ingredients

Nissan Chemical Industries, Ltd. (Nissan or NISSAN)
7-1, 3-chome, Kanda-Nishiki-cho, Chiyoda-ku, Tokyo 101-0054, JAPAN

FIRST AID	
If inhaled	•Move person to fresh air. •If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. •Call a poison control center or doctor for further treatment advice.
If swallowed	•Call a 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 a poison control center or doctor. •Do not give anything to an unconscious person.
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 first 5 minutes, then continue rinsing eye. •Call a poison control center or doctor for treatment advice.
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 Nissan Chemical America Corp. for emergency medical treatment information: 630-775-9784	

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING. May be fatal if inhaled. Do not breathe dust or spray mist. For handling activities, use dust/mist filtering respirator (MSHA/NIOSH approval numbers prefix TC-21C), or a NIOSH approved respirator with a N, P, R, or HE pre-filter. Wear long-sleeved shirt and long pants, socks and shoes and waterproof gloves. Harmful if swallowed or absorbed through skin. Avoid contact with skin. Remove contaminated clothing and wash before reuse. Causes moderate eye irritation. Do not get in eyes or on clothing. Wear goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves
- Protective eye wear
- For handling activities, use dust/mist filtering respirator (MSHA/NIOSH approval numbers prefix TC-21C), or a NIOSH approved respirator with a N, P, R, or HE pre-filter.
- Chemical resistant headgear for overhead exposure.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not re-use them. Follow the manufacturer's instructions for cleaning and 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, using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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

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CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Environmental Hazards

This pesticide is toxic to fish 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. Keep out of lakes, ponds, or streams. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Do not apply when weather condition favor drift from target area. Drift or runoff from treated areas may be hazardous to fish in adjacent sites. This product is highly toxic to bees. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Application early in the morning or at dusk is suggested.

Endangered Species Concerns

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

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.

For end use only. Do not repackage or reformulate without manufacturer's written approval.

All applicable directions, restrictions, precautions and **Conditions of Sale and Warranty** are to be followed. This labeling must be in the user's possession during application.

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 **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
- Waterproof gloves
- Shoes plus socks
- Protective eye wear
- For handling activities, use dust/mist filtering respirator (MSHA/NIOSH approval numbers prefixTC-21C), or a NIOSH approved respirator with a N, P, R, or HE pre-filter.
- For handling activities during handgun applications with direct overhead exposures, wear either a respirator with an organic vapor-removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefixTC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-21C).
- Chemical resistant headgear for overhead exposure.

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Storage and Disposal

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

Pesticide Storage:

Store in a cool, dry place. This package contains water-soluble bags inside a foil liner (overwrap). The water-soluble bags dissolve in water and the contents will disperse. If all the water-soluble bags are not used, carefully reseal the overwrap. Each overwrap contains five water-soluble bags. Do not remove the water-soluble bags from the overwrap except for immediate use. The water-soluble bags may break if they are exposed to moisture, handled excessively, or handled with wet hands or wet gloves.

Pesticide Disposal:

Pesticide wastes are acutely hazardous. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:

The outer case and inner overwrap packaging of the water-soluble bag should be incinerated or disposed of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not re-use the empty packaging.

In Case of Emergency

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- Nissan Chemical America Corporation (1-630-775-9784)

In Case of Spill

In case of large-scale spillage regarding this product, call:

Nissan Chemical America Corporation
1-630-775-9784

Steps to be taken in case material is released or spilled:

Wear the personal protective equipment specified on the label. Recover the material for re-use according to label whenever possible. Sweep and/or shovel up the spilled material into an appropriate closed container. Avoid the creation of dusty conditions. Remove and wash clothing and personal protective equipment prior to re-use. Keep the spill out of all sewers and open bodies of water.

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For Use On Citrus

I. General Information

This package **contains NC-129 75WP miticide/ insecticide,** a 75% wettable powder, in water-soluble bags. **NC-129 75WP** is a selective contact miticide/insecticide that controls pests in citrus groves and non-bearing citrus nursery beds or greenhouses when used at recommended rates. **(Refer to Table 1. NC-129 75WP Application Rate Table.) NC-129 75WP** provides knockdown and residual control. A good performance evaluation can be made 4-7 days after treatment. For optimum results, **NC-129 75WP** should be applied as pest populations build and prior to reaching economic thresholds.

Mite Resistance Management

NC-129 75WP use should be alternated with other miticides as part of a mite management program to minimize resistance. Repeated use of the same miticide has been documented to result in the buildup of resistant strains of mites. To reduce the potential of obtaining a population of acaricide-resistant mites, the grower should alternate products of differing modes of action. Consult with your local or state extension personnel for advice on miticide use and selection.

Cleaning Spray Equipment

Clean application equipment thoroughly by using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions and by triple rinsing the equipment before and after applying this product.

Table 1. NC-129 75WP Application Rate Table

Pests Controlled	Rate per Acre	Water-soluble Bags per Acre [1]
Broad Mite Citrus bud mite Cirtus red mite Citrus rust mite False spider mite (Citrus flat mite) Pink Citrus rust mite Silverleaf whitefly Sixspotted mite Texas citrus mite Twospotted spider mite	5.2 – 10.67 ounces (0.33 – 0.66 pounds)[2]	0.8 – 1.6 bags
Pests Suppressed		
Brown citrus aphid Citrus root weevil Sweet potato whitefly		

[1] Do not break the water-soluble bags. Fractions are used for the purpose of conversion and accurate rate calculation.

[2] Use 5.2 ounces per acre, per application at intervals of 30 days or more. Use 5.2 – 10.67 ounces per acre, per application at intervals of 90 days.

II. Application Instructions

NC-129 75WP may be applied by ground equipment using either diluted or concentrated sprays. Apply recommended rates of **NC-129 75WP** as instructed by **section VII. Crop-Specific Information**. Spray the last 3 rows windward of surface water using nozzles on only

one side with the spray directed away from surface water. Avoid spraying over the tops of trees by adjusting or turning off the top nozzles. Shut the nozzles on the side away from the grove off when spraying the outside row. Shut the nozzles off when turning at the ends of the rows and when passing tree gaps in rows.

Coverage
Apply **NC-129 75WP** in sufficient water to ensure thorough coverage of foliage and fruit. Thorough coverage is required for optimum control. Do not spray only to alternate rows. **NC-129 75WP** must be applied to each row for optimum control. To achieve adequate coverage, use proper spray pressure, nozzles, nozzle
spacing, volume per acre, and tractor speed. Consult spray nozzle and accessory guide for information pertaining to proper equipment calibration.

Ground Application (Broadcast)
Water Volume: Use 100-400 gallons of spray solution per broadcast acre for optimal performance. In Florida, a minimum of 20 gallons of water per acre may be used.

III. Additives

In general, no additives or adjuvants are necessary for effective use of **NC-129 75WP**. However, the use of additives may be considered for certain conditions such as obtaining better spray distribution, adhesion or penetration of product on to leaf or plant surfaces. Consult a Nissan representative or local agricultural authorities for more information concerning additives.

IV. General Tank Mixing Information

The phytotoxic potential of **NC-129 75WP miticide/insecticide** has been assessed on a wide variety of trees with no phytotoxicity observed. However, all varieties and cultivars have not been tested with possible tank mix combinations. Local conditions can also influence crop tolerance and may not match those information which Nissan has obtained. Therefore, before using **NC-129 75WP,** test the product on a sample of the crop to be treated to ensure that a phytotoxic response will not occur as a result of applications.

Compatibility Test for Mix Components
Before mixing components, always perform a compatibility jar test.
For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes, adjust rates accordingly. Only use water from the intended source at the source temperature.
Add components in the sequence indicated in the **Mixing Order** using 2 teaspoons for each pound or 1 teaspoon for each pint of recommended label rate per acre.
Always cap the jar and invert 10 cycles between component additions.
When the components have all been added to the jar, let the solution stand for 15 minutes. Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is then compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, do not mix the ingredients in the same tank.

Mixing Order

1) **Water**. Begin by agitating a thoroughly clean sprayer tank three-quarters full of clean water.
2) **Agitation.** Maintain constant agitation throughout mixing and application.
3) **Products in PVA bags.** Place any product contained in water-soluble PVA bags such as **NC-129 75WP** into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
4) **Water-dispersible products** (such as dry flowables, wettable powders, suspension concentrates, or suspo-emulsions).
5) **Water-soluble products.**

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6) **Emulsifiable concentrates** (such as oil concentrate when applicable).
7) **Water-soluble additives** (such as AMS or UAN when applicable).
8) **Remaining quantity of water.** Maintain constant agitation during application.

Carefully remove the recommended number of water-soluble bags from the inner overwrap packaging and carefully place them into the spray water in the mixing tank. Reseal the outer package making sure that no moisture contacts the water-soluble bags. Do not
open the water-soluble bags. Allow the bags to completely dissolve. Use the maximum agitation while mixing **NC-129 75WP** in the spray tank.
A defoaming agent may also be necessary. Do not attempt to dissolve the water-soluble bags directly in diesel oils or summer spray-type oils. The bags are water-soluble, not oil soluble.
Boron will prevent the water-soluble bags from dissolving. If boron-containing products are to be used, the water-soluble bags containing **NC-129 75WP** must be dissolved completely before the boron-containing product can be added to the spray tank. If boron-containing products have been used in previous applications, thoroughly wash the spray tank before using **NC-129 75WP**. Always reseal the overwrap package to protect the remaining unused bags.

VI. Restrictions and Limitations

- Maximum seasonal use rate: Do not apply more than a **total of 21.3 ounces** of **NC-129 75WP miticide/insecticide** (1.0 pound a.i.) per acre, per season.
- Do not make more than 2 applications of **NC-129 75WP** per year.
- Allow a minimum of 30 or 90 days between **sequential applications** of **NC-129 75WP**, as specified in section **VII. Crop Specific Information.**
- Preharvest Interval (PHI): Do not apply within **7 days** of harvest.
- **Restricted Entry Interval (REI): 12 hours.**
- Do not apply **NC-129 75WP** by air.
- Do not apply through any type of **irrigation** equipment.
- Do not use less than 100 gallons of water per acre **except in Florida** where a minimum of 20 gallons of water per acre may be used.
- **Drift:** Do not apply **NC-129 75WP** when weather conditions favor drift to surface water. Do not apply within 110 feet upwind of surface water or when windspeed is above 8 mph. Do not apply during a temperature inversion.

Table 2. Crop-Specific Restrictions and Limitations

Crop	Minimum Time from Application to Harvest (PHI)	Maximum Rate Per Acre Per Application	Maximum Rate Per Acre Per Season	Aircraft Application
Citrus	7 days	10.67 ounces	21.3 ounces	No

VII. Crop-Specific Information

Citrus

Apply 5.2-10.67 ounces **of NC-129 75WP miticide/insecticide** in sufficient water to achieve thorough coverage. Use the higher rate of **NC-129 75WP** to ensure adequate concentration in full size trees with dense foliage.

NC-129 75WP may be used in the following use patterns:

- Use 5.2-10.67 ounces per acre, per application at intervals of 90 days or more, not to exceed 10.67 ounces per acre, per application.
- Use 5.2 ounces per acre, per application at intervals of 30 days or more.
- When combining **NC-129 75WP** with summer oils, use a minimum of 5 gallons of oil and 6.6 ounces of **NC-129 75WP** per acre.
- **In Florida Only, NC-129 75WP** may be applied in low volume application equipment with a minimum water volume of 20 gallons of water per acre. It is the user's responsibility to ensure thorough spray coverage in these low volume applications.

Crops
This product can be used on the following crops:
Citrus
Look inside for complete **Restrictions** and **Limitations** and **Application Instructions.**

Pests listed in this label:	
Citrus root weevil	Family: Curculionidae Pachnaeus litus
Broad mite	Family: Tarsonemidae Polyphagotarsonemus latus
Brown citrus aphid	Family: Aphididae Toxoptera citricida
False spider mite (Citrus flat mite)	Family: Tenuipalpidae Brevipalpus phoenicis B. lewisi
Pink citrus rust mite Citrus rust mite Citrus bud mite	Family: Eriophyidae Aculops pelekassi Phyllocoptruta oleivora Aceria sheldoni
Sixspotted mite Texas citrus mite Citrus red mite Twospotted spider mite	Family: Tetranychidae Eotetranychus sexmaculatus Eutetranychus banksi Panonychus citri Tetranychus urticae
Sweet potato whitefly Silverleaf whitefly	Family: Aleyrodidae Bemisia tabaci Bemisia argentifolii

Supplemental Label

For Use on Grapes, Nectarines, Peaches, Plums, Prunes, Pistachio, Almonds and other Tree Nuts in California

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. This labeling must be in the possession of the user at the time of application.

I. General Information

This package **contains NC-129 75WP miticide/ insecticide,** a 75% wettable powder, in water-soluble bags. **NC-129 75WP** is a selective contact miticide/insecticide that controls pests in grapes, nectarines, peaches, plums. prunes, pistachio, almonds and other tree nuts when used at recommended rates. **(Refer to Table 1. NC-129 75WP Application Rate Table.) NC-129 75WP** provides knockdown and residual control. A good performance evaluation can be made 7-10 days after treatment. For optimum results, **NC-129 75WP** should be applied as pest populations build and prior to reaching economic thresholds.

Mite Resistance Management

NC-129 75WP use should be alternated with other miticides as part of a mite management program to minimize resistance. Repeated use of the same miticide has been documented to result in the buildup of resistant strains of mites. To reduce the potential of obtaining a population of acaricide-resistant mites, the grower should alternate products of differing modes of action. Consult with your local or state extension personnel for advice on miticide use and selection.

II. Application Instructions

NC-129 75WP may be applied by ground equipment using either diluted or concentrated sprays. Apply recommended rates of **NC-129 75WP** as instructed by section IV. **Crop-Specific Information** and in Table 1. Spray the last 3 rows windward of surface water using nozzles on only one side with the spray directed away from surface water. Avoid spraying over the tops of trees by adjusting or turning off the top nozzles. Shut the nozzles on the side away from the grove off when spraying the outside row. Shut the nozzles off when turning at the ends of the rows and when passing tree gaps in rows.

Coverage

Apply **NC-129 75WP** in sufficient water to ensure thorough coverage of foliage and fruit. Thorough coverage is required for optimum control. Do not spray only to alternate rows. **NC-129 75WP** must be applied to each row for optimum control. To achieve adequate coverage, use proper spray pressure, nozzles, nozzle spacing, volume per acre, and tractor speed. Consult spray nozzle and accessory guide for information pertaining to proper equipment calibration.

Ground Application (Broadcast)

Water Volume: Use 100-400 gallons of spray solution per broadcast acre for optimal performance.

III. Restrictions and Limitations

- Maximum seasonal use rate: Do not apply more than a total of **21.3 ounces** of **NC-129 75WP** (1.0 pound a.i.) per acre, per season. Do not apply less than 3.5 ounces of **NC-129 75WP** per acre, per season.
- **Restricted Entry Interval (REI): 12 hours.**
- Allow a minimum of 30 days between **sequential applications of NC-129 75WP.**
- **Preharvest Interval (PHI):** Refer to **Table 2.**
- Do not apply **NC-129 75WP** by air.

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- Do not use less than 50 gallons of water volume per acre on grapes stonefruit, and pistachios and less than 100 gallons of water volume per acre for tree nuts group.
- Do not make more than 2 applications of **NC-129 75WP** per year.
- **Drift:** Do not apply when weather conditions favor drift to aquatic areas. Do not use when gusts or sustained winds exceed 10 miles per hour. Do not apply during a temperature inversion. Mist or fog may indicate the presence of an inversion in humid areas.
- Do not apply through any type of **irrigation** equipment.

Table 1. NC-129 75WP miticide/insecticide Application Rate Table

Pests Controlled	Concentrate Rate Per Acre (100-200 gpa)	Dilute Rate Per 100 Gallons (200-400 gpa)
European red mite	0.53-0.8 bags (3.5-5.2 ounces)	0.27 bag (1.8 oz)
Blackmargined aphid Citrus flat mite Grape leafhopper (nymphs) Peach silver mite Variegated leafhopper (nymphs) Willamette spider mite White apple leafhopper (nymphs) Yellow pecan aphid	0.8-1.6 bags (5.2-10.67 ounces)	0.4 bag (2.6 oz.)
McDaniel spider mite Pacific spider mite Silverleaf whitefly Twospotted spider mite	1.0-1.6 bags (6.6-10.67 ounces)	0.4 bag (2.6 ounces)
Do not break the water-soluble bags. Fractions are used for the purpose of conversion and accurate rate calculation.		

IV. Crop-Specific Information

Grapes

Apply **NC-129 75WP** in 50-400 gallons of water per acre. **NC-129 75WP** must be applied to each row for maximum coverage. Use the higher rate of **NC-129 75WP** to ensure adequate concentration in mature vineyards with dense foliage. See Table 1 for application rates for specific pests.

Nectarines, Peaches, Plums, Prunes, Tree Nuts Group and Pistachio

Apply **NC-129 75WP** in 50-400 gallons of water per acre on stonefruit, and pistachios and 100-400 gallons of water per acre for tree nuts group. Use the higher rate of **NC-129 75WP** to ensure adequate concentration in full size trees with dense foliage. For best control, pest populations must be building with primarily immature stages present at the time of application. **Specifically for almonds** Applications may be made early from shuck split through mid-summer.
See Table 1 for application rates for specific pests.

Table 2. Crop-Specific Restrictions and Limitations

Crop	Minimum Time from Application to Harvest (PHI)	Maximum Rate Per Acre Per Application	Maximum Rate Per Acre Per Season	Aircraft Application
Grapes	7 days	10.67 ounces	21.3 ounces	No
Nectarines	7 days	10.67 ounces	21.3 ounces	No
Peaches	7 days	10.67 ounces	21.3 ounces	No
Pistachio	7 days	10.67 ounces	21.3 ounces	No
Plums	7 days	10.67 ounces	21.3 ounces	No
Prunes	7 days	10.67 ounces	21.3 ounces	No
Tree Nuts Group (Almond, Beech, Brazil, Butternut, Cashew, Chestnut,Chinquapin, Filbert, Hickory,Macadamia, Pecan, Black Walnut and English Walnut)	7 days	10.67 ounces	21.3 ounces	No

A wettable powder for commercial use on ornamental plants grown in greenhouses and outdoors.

I. General Information

NC-129 75WP miticide/insecticide is intended for control of mites and whiteflies on ornamental plants, flowers, and foliage crops. **NC-129 75WP** provides excellent knockdown and residual control. A good evaluation of performance can generally be made 4-7 days after treatment.

Crop Tolerance

All crops listed in **Table 2. Plant Species Tested for Tolerance to NC-129 75WP** are tolerant to **NC-129 75WP**.

Mode of Action

NC-129 75WP works primarily through contact action. Treat plants when pests are immature or at a susceptible stage and populations are building, before crop damage occurs.

Resistance Management

Using **NC-129 75WP** in successive miticide applications is not recommended. Use **NC-129 75WP** as part of a sound resistance management program that includes rotation with other treatments having different modes of action.

Spray Coverage

Apply **NC-129 75WP** in sufficient water to ensure thorough coverage of foliage. Thorough coverage is required for optimum control. To achieve adequate coverage, use proper spray pressure, nozzles, nozzle spacing, and volume per acre. Consult spray nozzle and accessory guide for information pertaining to proper equipment calibration.

Cleaning Spray Equipment

Clean spray equipment thoroughly using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions before and after applying this product.

II. Application Instructions

Apply **NC-129 75WP** at rates recommended in **Table 1. Application Rates. (See Table 1. at right.)** Avoid drift to all other crops and non-target areas.

Table 1. Application Rates

Pest	Rate at 100 gallons of water
Broad mite European Red Mite Southern red mite Tumid mite Twospotted spider mite	4 bags (4 ounces)
Whiteflies	4 – 6 bags (4 – 6 ounces)

Table 2. Plant Species Tested for Tolerance to NC-129 75WP miticide/insecticide*

Common Name	Scientific Name
Ageratum, Blue Blazer	*Ageratum houstonianum*
Alurrinum Plant	*Pilea cadierei*
Alyssum	*Lobularia maritima*
Andromeda, Japanese	*Pieris japonica* (Thunb) v 'Mountain Fire'
Anthurium	*Anthurium* spp.
Arborvitea, American	*Thuja occidentalis, smaragd*
Aster, Rainbow	*Aster spp.*
, Solidago	
Azalea	*Rhododendron* sp.
Baby's Breath	*Gypsophila paniculata*
Balloon Flower	*Platycodon grandiflora* v 'Sentimental Blue'
Barberry, Japanese Red	*Berberis thunbergii (atropurpureum)*
Leaf	*Begonia semperflorens*
Begonia	*Gaillardia* sp. v'Red Plume'
Blanket Flower	*Dicentra spectabilis* (Lem.)
Bleeding Heart	*Buxus japonica*
Boxwood, Japanese	*Buddleia* sp.. v'White profusion
Butterfly Bush	*Buddleia davidii* Franch.
Butterfly Bush	*Caladium* sp.
Caladium	*Camellia japonica*
Camellia	*Dianthus caryophyllus*
Carnation, Pallas Londerga	
, Pink Candy	*Celosia argenta*
Celosia, Dwarf Mixed	*Chamaedorea elegans*
Chamaedorea Palm	*Chrysanthemum* spp.
Chrysanthemum	*Schlumbergera bridgesii*
Christmas Cactus	*Medicago sativae*
Cimmaron	*Potentilla spp.* Including 'May white'
CinquefoilColeus, Scarlet	*Coleus hybridus*
Wizard	*Rudbeckia* sp.v 'Goldilocks'
Coneflower	*Cosmos* sp.
Cosmos	*Cotoneaster dammeri* C.K. Schneid v' Coral
Cotoneaster	Beauty'*Cotoneaster apiculatus* Rehd & E.H. Wils
Cotoneaster	*Codiaeum variegatum*
Croton, Pictum	*Cyclamen persicum*
Cyclamen, Red	
, White	*Dahlia* spp.
Dahlia	*Chrysanthemum maximum* Ramond v 'Silver Princess'
Daisy, Shasta	*Hemerocallis* spp.
Daylily	*Dianthus* spp.
Dianthus, Pink	
, Telstar Lavender	
, Telstar White	*Dieffenbachia* sp.
Diefefenbachia, Dumb cane	*Cornus spp.*

Dogwood, Cornelian Cherry	
Dracaena	*Dracaena marginata*
Dusty Miller	*Centaurea cineraria*
Dwarf Winged Euonymus	*Euonymus alata* (Thumb.) Siebold v '
Elm	*Ulmus* spp.
Euonymus	*Euonmymus* spp.
Euonymus, Winged	*Euonymus alata* (Thumb.) Siebold
Euonymus, Dwarf Winged	*Euonymus alata* (Thumb.) Siebold v ' Compacta
False Cypress	*Chamaecyparis pisifera*
Fern, Peteris	*Pteris biaurita*
, Asparagus	*Asparagus setaceus*
, Maidenhair	*Adiantum* sp.
Fir, Douglas	*Pseudotsuga menziesii* (Mirb) Franco
,Fraser	*Abies fraseri*
, Noble	*Abies porcera*
Fire Thorn	*Pyracantha coccinea*
Fuchsia	*Fuchsia* sp.
Gardenia, August Beauty	*Gardenia jsaminoides*
Geranium, Scarlet Orbit	*Geranium* sp.
Gerbera Daisy	*Gerbera* sp.
Gladiolus	*Gladiolus x hortulanus* L.H. Bailey
Gladiolus	*Gladiolus* sp. v' Nova Lux'
Gloxinia	*Sinningia speciosa*
Gold Dust Plant	*Aucuba japonica*
Goldfish plant	*Alloplectus nummularia*
Hemlock	*Tsuga canadensis* Carriere
Hibiscus	*Hibiscus* spp.
Hollyhock	*Alcea rosea* v' Apricot'
Holly, Chinese	*Ilex cornuta*
, Burford	*Ilex cornuta* 'Burfordii'
, Japanese	*Ilex crenta*
Honeysuckle	*Lonicera* spp.
Hyacinth, Common	*Hyacinthus orientalis*
Hydrangea	*Hydrangea* spp.
Hydrangea-vine	*Schizophragma hydrangea*
Impatiens, New Guinea hybrids	*Impatiens wallerana*
, Celsia high energy	
, Sunshine	
Iris, Miniature	*Iris* spp.
Ivy, Cascade	*Hedera helix*
, English	
, Spade	
Juniper	*Juniperus* spp.
Kalanchoe	*Kalanchoe* sp.
Lilac	*Syringa patula*
Lily, Easter	*Lilium loniflorum*

, Calla	*Zantedeschia* sp.
, Peace	*Spathiphyllum* sp.
, Mauna Loa	*Spathiphyllum* sp.
, Orange pixie	*Lilium longiflorum*
Lobelia	*Lobelia* spp.
Lupine	*Lupinus* sp. v' Russell Blue w/White'
Magnolia	*Magnolia* spp.
Mandevilla, Pink	*Mandevilla* sp.
Maple, Sugar	*Acer saccharum* Marsh
Marigold	*Tagetes erecta*
Mock Orange	*Philadelphus coronarius*
Muscari, (Grape Hyancinth)	*Muscari* spp.
Oak, Pin	*Quercus palustris* Muenchh
Palm, Parlor (neantha Bella)	*Chamaedorea elegans*
Pansy	*Viola wittrockiana*
Pea, Sweet	*Lathyrus odoratus* v' Explorer Mixed'
Pear, Bradford	*Phyrus calleryana 'Bradford'*
Peony	Paeonia lactiflora Pall.
Petunia, Harmony Boy	*Petunia hybrida*
, White Cascade	
, White Madness	
Phlox, Summer	*Phlox, paniculata*
Photinia, Red Tip	*Photinia x fraseri*
Piggyback plant	*Tolmiea menziesii*
Pine, Mugo	*Pinus mugo* Turra
Pinks (Dianthus)	*Dianthus* spp.
Pink Splash	*Hypoestes phyllostachya*
Pittosporum	*Pittosporum* spp.
Poinsettia	*Euphorbia pulcherrima*
Ponytail plant	*Beaucarnea recurvata*
Poppy	*Papaver* spp.
Pothos	*Epipremum aureum*
Prayer plant	*Maranta leuconeura*
Primrose	*Primula* sp.
Privet	*Ligustrum x vicaryi*
Redvein Enkianthus	*Enkianthus* spp.
Rose	*Rosa* spp.
Rose moss	*Portulaca grandiflora*
Rhododendron, English	*Rhododendron* sp.
Roseum	
Salvia	*Salvia splendens*
Schefflera	*Schefflera actinophylla*
Snapdragon	*Antirrhinum* spp.
Spirea	*Spirea* spp.
Spruce, Norway Nest	*Picea abies "nidiformis'*
Sunflower, Minature	*Helianthus annuus*
Syngonium	*Synagonium podophyllum*
Tobacco, Ornamental	*Nicotiana* spp.
Trumpetcreeper	*Campsis grandiflora*

Tulips	*Tulipa* spp.
Viburnum, Snowball Bush	*Viburnum* spp.
Verbena, Blaze	*Verbena hybrida*
, Garden	
, Lemon	
, Scarlet Romance	
Vinca, Little Blanche	*Vinca* spp.
, Periwinkle	
Violet, African	*Saintpaulia ionantha*
Wandering Jew	*Tradesacantia albiflora*
Wisteria	*Wisteria* spp.
Yew, Hicks	*Taxus x media* Rehd v 'Hicksii'
Zinnia, Scarlet Flame	*Zinnia elegans*
, Giant Cactus	
, Lilliput	
, Dreamland	

III. Additives

In general, no additives are necessary for effective use of **NC-129 75WP miticide/insecticide**. However, in situations where local conditions such as hard water are a problem, adjuvants or wetting agents may be used to achieve thorough spray coverage.
Do not place water-soluble bags directly into dormant or summer-spray-type oils. PVA pouches are water soluble, not oil soluble. Do not use with nutritional sprays containing boron. Boron will prevent the bags from dissolving in water. Rinse the tank thoroughly before adding any material in PVA bags.

IV. Mixing Order

1) **Water:** Begin by agitating a thoroughly clean sprayer tank half full of clean water.
2) **Products in PVA bags:** Determine the number of water-soluble bags to be used based on **Table** 2. Place the water-soluble bags into the mixing tank. The water-soluble bags dissolve in water and the contents will disperse. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
3) **Water-dispersible products:** (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions)
4) **Water-soluble products**
5) **Emulsifiable concentrates**
6) **Water-soluble additives**
7) Remaining quantity water

Maintain constant agitation during application. For more information, refer to section **V. General Tank Mixing Application.**

V. General Tank Mixing Information

No tank mixes are specifically recommended with this product. The phytotoxic potential of **NC-129 75WP** has been assessed on a wide variety of common ornamental plants with no phytotoxicity observed. However, all plant species and their varieties and cultivars have not been tested with possible tank mix combinations, sequential pesticide treatments, and adjuvants and surfactants. Local conditions can also influence crop tolerance and may not match those information which Nissan has obtained testing. Therefore, before using **NC-129 75WP**, test the product on a sample of the crop to be treated to ensure that a phytotoxic response will not occur as a result of applications.

VI. General Restrictions and Limitations - All Crops

- **Maximum seasonal use rate:** Do not exceed **21.34 ounces** of **NC-129 75WP miticide/insecticide** per acre, per year.
- **Restricted Entry Interval (REI): 12 hours**
- Do not enter a treated greenhouse or a treated indoor area without protective equipment for **12 hours** unless one of the following items is completed:
  - — 10 air exchanges
  - — 2 hours of system ventilation
  - — 4 hours of ventilation using vents, windows, or other passive ventilation
  - — All required PPE is worn.
- **Sequential Treatment:** Do not use **NC-129 75WP** in successive miticide applications. Use **NC-129 75WP** in rotation with other treatments having different modes of action.
- Do not apply this product through any type of irrigation system.
- Do not apply this product aerially.
- Do not use **NC-129 75WP** with nutritional sprays that contain boron.
- Do not apply this product as a smoke, mist, fog, or aerosol.
- Do not repackage or reformulate without manufacturer's written approval. For end use only.

Crops:
This product can be used on the following Crops:
Ornamental plants **Foliage crops**
Look inside for complete **Restrictions** and **Limitations** and **Application Instructions.**

Pests:	
This product controls the following pests:	
Common Name	**Scientific Name**
Broad Mite	*Polyphagotarsonemus latus*
European red mite	*Panonychus ulmi*
Southern red mite	*Oligonychus ilicis*
Tumid mite	*Tetranychus tumidus*
Twospotted spider mite	*Tetranychus urticea*
Whitefly, Silverleaf	*Bemisia argentifolii*
, Greenhouse	*Trialeurodes vaporariorum*

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of Nissan Chemical Industries, Ltd. ("Nissan" or "NISSAN") or the Seller. All such risks shall be assumed by the Buyer. Nissan warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use,** subject to the inherent risks, referred to above. NISSAN MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY, IN NO CASE SHALL NISSAN OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FOR THE USE OR HANDLING OF THIS PRODUCT. Nissan and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty**, which may be varied only by agreement in writing, signed by a duly authorized representative of Nissan.

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