

PM 03

7969-106

11/10/99

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**BASF**

# Nexter<sup>®</sup>

miticide/insecticide

**Active Ingredient:**

[2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloropyridazin-3(2H)-one] .....75.0%

**Inert Ingredients:**.....25.0%

**Total:**.....100.0%

Plus water-soluble packaging

EPA Registration Number 7969-106

EPA Est. No. 67545-AZ-01

U.S. Patent Number: 4,877,787

**KEEP OUT OF REACH OF CHILDREN.**

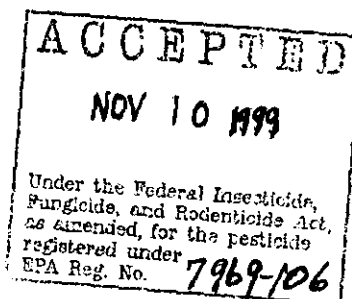
## **WARNING/AVISO**

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)**

BASF Corporation  
P.O. Box 13526, Research Triangle Park, NC 27709



## 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 prefilter. 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.

### Statement of Practical Treatment

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

**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. If person is unconscious, do not give anything by mouth and do not induce vomiting.

**If on skin:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**If in eyes:** Flush eyes with plenty of water. Call a physician if irritation persists.

**Note to Physician:** This compound does not cause any definitive symptoms that would be diagnostic. No specific antidote is available. Treat the patient symptomatically. In case of medical emergencies, call 1-800-832-HELP.

### Personal Protective Equipment (PPE)

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves
- Protective eyewear
- 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 prefilter.
- 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, or 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 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 extremely 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 conditions 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.

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 eyewear
- 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 prefilter.
- Chemical resistant headgear for overhead exposure.

### 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. If exposed to moisture, the water-soluble bags may break.

#### 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 large-scale spillage regarding this product, call:

CHEMTREC 800-424-9300  
BASF Corporation 800-832-HELP

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment.
- Your local poison control center (hospital).
- BASF Corporation (800-832-HELP)

### 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.

### I. General Information

This package contains **Nexter® miticide/insecticide**, a 75% wettable powder, in water-soluble bags.

**Nexter** is a selective contact miticide/insecticide that controls pests in citrus groves when used at recommended rates. (Refer to Table 1. **Nexter Application Rate Table**.) Nexter provides knockdown and residual control. A good performance evaluation can be made 4-7 days after treatment. For optimum results, **Nexter** should be applied as pest populations build and prior to reaching economic thresholds.

### Mite Resistance Management

**Nexter** 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. Nexter Application Rate Table

Pests Controlled	Rate per Acre	Water-soluble Bags per Acre <sup>1</sup>
Broad mite Citrus bud mite Citrus red mite Citrus rust mite False spider mite (Citrus flat mite) Pink citrus rust mite Sixspotted mite Texas citrus mite Twospotted spider mite	5.2-10.67 ounces (0.33-0.66 pounds)	0.8-1.6 bags
Pests Suppressed		
Brown citrus aphid Citrus root weevil Silverleaf whitefly Sweet potato whitefly		
<sup>1</sup> Do not break the water-soluble bags. Fractions are used for the purpose of conversion and accurate rate calculation. <sup>2</sup> 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

**Nexter** may be applied by ground equipment using either diluted or concentrated sprays. Apply recommended rates of **Nexter** 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 **Nexter** in sufficient water to ensure thorough coverage of foliage and fruit. Thorough coverage is required 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. Additives

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

## IV. General Tank Mixing Information

The phytotoxic potential of **Nexter**™ 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 under which BASF has conducted testing. Therefore, before using **Nexter**, 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 **Nexter** 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.**
- 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 **Nexter** in the spray tank.

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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 **Nexter** 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 **Nexter**. 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 Nexter<sup>®</sup> miticide/insecticide** (1.0 pound a.i.) per acre, per season.
- Do not make more than 2 applications of **Nexter** per year.
- Allow a minimum of **30 or 90 days** between **sequential applications** of **Nexter**, 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 **Nexter** by air.
- Do not apply through any type of **irrigation** equipment.
- Do not use less than 100 gallons of water per acre.
- **Drift:** Do not apply **Nexter** 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 **Nexter™** miticide/**insecticide** in sufficient water to achieve thorough coverage. Use the higher rate of **Nexter** to ensure adequate concentration in full size trees with dense foliage.

**Nexter** 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 **Nexter** with summer oils, use a minimum of 5 gallons of oil and 6.6 ounces of **Nexter** per acre.

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### 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:

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

### 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 BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer. BASF 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. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF 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 BASF.

U.S. Patent Number: 4,877,787

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BASF Corporation  
P.O. Box 13528  
Research Triangle Park, NC 27709