

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

NOTICE OF PESTICIDE:

<u>x</u> Registration \_\_\_\_ Reregistration

(under FIFRA, as amended)

EPA Reg. Number:

Date of Issuance:

OCT 1 7 2002

7969-202

Term of Issuance:

Conditional

Name of Pesticide Product:

Sanmite 75 WP Miticide/Insecticide

Name and Address of Registrant (include ZIP Code):

BASF Corporation - Agrichtural Products P.O. Box 13528

Research Triangle Park, NC 27709-3528

Mote: 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:

- 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.
  - Make the following label changes:
- Revise the EPA Registration Number to read, "EPA Reg. No. 7969-202".

Signature of Approving Official:

October 17,2002

page 2 EPA Reg. No. 7969-202

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,

Joseph M. Tavano

Acting, Product Manager 10

Insecticide Branch

Registration Division 7505c

# **BASF**

# Sanmite® 75WP

# miticide/insecticide

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

**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 Reg. No. 7969-106

EPA Est. No. 67545-AZ-1

# 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: 0.25 pound (4 x 1-ounce water-soluble bags)

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

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

ACCEPTED

OCT 17 2002

Under the Federal Insecticide, Fundicide, and Federalicide Act, as amended, for the posticide relatered under EPA Reg. No. 796.9-200

FIRST AID		
If inhaled	<ul> <li>•Move person to fresh air.</li> <li>•If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>•Call a poison control center or doctor for further treatment advice.</li> </ul>	
If swallowed	<ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything to an unconscious person.</li> </ul>	
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	

### **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 BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357)

# **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 an 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
- · Waterproof gloves
- Protective eyewear
- Shoes plus socks
- 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.
- 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 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.

# <u>User Safety Recommendations</u> 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 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 when disposing 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 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.

### **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), notification to workers, and restrictedentry 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 during handgun applications with direct overhead exposures, wear either a respirator with an organic vaporremoving 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).
- For all other exposures, wear a dust/mistfiltering respirator (MSHA/NIOSH approval number prefix TC-21C).

# Storage and Disposal

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

Pesticide Storage: Store in a cool, dry place away from heat or open flame. This package contains water-soluble bags inside a foil liner (overwrap). Do not remove the water-soluble bags from the overwrap except for immediate use. If all the water-soluble bags are not used, carefully reseal the overwrap. 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:**

• Water-soluble packaging: 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:

Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing, and wash affected skin areas with water. Wash clothing before re-use. Keep the spill out of all sewers and open bodies of water.

### I. General Information

Sanmite® 75WP miticide/insecticide is intended for control of mites and whiteflies on ornamental plants, flowers, and foliage crops. Sanmite 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 Sanmite** are tolerant to **Sanmite**.

### **Mode of Action**

Sanmite 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 Sanmite in successive miticide applications is not recommended. Use Sanmite as part of a sound resistance management

program that includes rotation with other treatments having different modes of action.

# **Spray Coverage**

Apply Sanmite 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 Sanmite 75WP miticide/insectide 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	4 bags
Southern red mite	(4 ounces)
Tumid mite	,
Twospotted spider mite	
Whiteflies	4 – 6 bags
	(4 – 6 ounces)

Table 2. Plant Species Tested for Tolerance to Sanmite® 75WP miticide/insecticide\*

Table 2. Plant Species Tested for Tolerance to Sanmite® 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 Leaf	Berberis thunbergii (atropurpureum)
Begonia	Begonia semperflorens
Blanket Flower	Gaillardia sp. v'Red Plume'
Bleeding Heart	Dicentra spectabilis (Lem.)
Boxwood, Japanese	Buxus japonica
Butterfly Bush	Buddleia sp v'White profusion
Butterfly Bush	Buddleia davidii Franch.
Caladium	Caladium sp.
Camellia	Camellia japonica
Carnation, Pallas Londerga	Dianthus caryophyllus
, Pink Candy	
Celosia, Dwarf Mixed	Celosia argenta
Chamaedorea Palm	Chamaedorea elegans
Chrysanthemum	Chrysanthemum spp.
Christmas Cactus	Schlumbergera bridgesii
Cimmaron	Medicago sativae
CinquefoilColeus, Scarlet	Potentilla spp. Including 'May white'
Wizard	Coleus hybridus
Coneflower	Rudbeckia sp.v 'Goldilocks'
Cosmos	Cosmos sp.
Cotoneaster	Cotoneaster dammeri C.K. Schneid v' Coral
Cotoneaster	Beauty' Cotoneaster apiculatus Rehd & E.H. Wils
Croton, Pictum	Codiaeum variegatum
Cyclamen, Red	Cyclamen persicum
, White	
Dahlia	Dahlia spp.
Daisy, Shasta	Chrysanthemum maximum Ramond v 'Silver Princess'
Daylily	Hemerocallis spp.
Dianthus, Pink	Dianthus spp.
, Telstar Lavender	
, Telstar White	
Diefefenbachia, Dumb cane	Dieffenbachia sp.

Dogwood, Cornelian Cherry	Cornus spp.
Dracaena	
Dusty Miller	Dracaena marginata
Dwarf Winged Euonymus	Centaurea cineraria
	Euonymus alata (Thumb.) Siebold v '
Elm	r el
Euonymus	Ulmus spp.
Euonymus, Winged	Euonmymus spp.
Euonymus, Dwarf Winged	Euonymus alata (Thumb.) Siebold
False Cypress	Euonymus alata (Thumb.) Siebold v 'Compacta
Fern, Peteris	Chamaecyparis pisifera
, Asparagus	Pteris biaurita
, Maidenhair	Asparagus setaceus
Fir, Douglas	Adiantum sp.
,Fraser	Pseudotsuga menziesii (Mirb) Franco
, Noble	Abies fraseri
Fire Thorn	Abies porcera
Fuchsia	Pyracantha coccinea
Gardenia, August Beauty	Fuchsia sp.
	Gardenia jsaminoides
Geranium, Scarlet Orbit	
Gerbera Daisy	Geranium sp.
Gladiolus	Gerbera sp.
Gladiolus	Gladiolus x hortulanus L.H. Bailey
Gloxinia	Gladiolus sp. v' Nova Lux'
Gold Dust Plant	Sinningia speciosa
Goldfish plant	Aucuba japonica
Hemlock	Alloplectus nummularia
Hibiscus	Tsuga canadensis Carriere
Hollyhock	Hibiscus spp.
Holly, Chinese	Alcea rosea v' Apricot'
, Burford	llex cornuta
, Japanese	llex cornuta 'Burfordii'
Honeysuckle	llex crenta
Hyacinth, Common	Lonicera spp.
Hydrangea	Hyacinthus orientalis
Hydrangea-vine	Hydrangea spp.
Impatiens, New Guinea	Schizophragma hydrangea
hybrids	Impatiens wallerana
, Celsia high energy	
, Sunshine	
Iris, Miniature	, .
Ivy, Cascade	Iris spp.
, English	Hedera helix
, Spade	
Juniper	T
Kalanchoe	Juniperus spp.
Lilac	Kalanchoe sp.

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

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

### III. Additives

In general, no additives are necessary for effective use of

#### Sanmite® 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.
- 1) 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.

- 2) Water-dispersible products: (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions)
- 3) Water-soluble products
- 4) Emulsifiable concentrates
- 5) Water-soluble additives
- 6) Remaining quantity water
  Maintain constant agitation during application.
  For more information, refer to section V. Tank

Mixing Application.

# V. General Tank Mixing Information

No tank mixes are specifically recommended with this product. The phytotoxic potential of Sanmite 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 under which BASF has conducted testing. Therefore, before using Sanmite, 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 Sanmite® 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 Sanmite in successive miticide applications. Use Sanmite 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 Sanmite 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 reflects 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 CROPORATION ("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 BELIABLE 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.

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> > **BASF**

**Specialty Products**