

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

# 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.)

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 the 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	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>		
If in eyes	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>		
HOTLINE NUMBER			
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  Contact 1-888-478-0798 for emergency medical treatment information.			

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING/AVISO

May be fatal if inhaled. Do not breathe dust or spray mist. For handling activities, wear a NIOSH approved particulate respirator with any N, R, or P filter (NIOSH approval number prefix TC-84A); or a NIOSH approved powered air purifying respirator with an HE filter (NIOSH approval number prefix TC-21C). 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, wear a NIOSH approved particulate respirator with any N, R, or P filter (NIOSH approval number prefix TC-84A); or a NIOSH approved powered air purifying respirator with an HE filter (NIOSH approval number prefix TC-21C).
- 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 reuse 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.

NET CONTENTS POUNDS



**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.

#### **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.

#### **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 foraging 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 **Notice of Conditions of Sale and Warranty and Liability Limitations** 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 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, wear a NIOSH approved particulate respirator with any N, R, or P filter (NIOSH approval number prefix TC-84A);
   or a NIOSH approved powered air purifying respirator with an HE filter (NIOSH approval number prefix TC-21C).
- Chemical resistant headgear for overhead exposure.

### PRODUCT INFORMATION

**SANMITE Miticide** 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 thorough 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.

## **CROPS**

- Foliage crops Greenhouse tomatoes
- **Greenhouse cucumbers**

## **PESTS**

This product can be used on 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 urticae
Whitefly, Silverleaf	Bemisia tabaci
Whitefly, Greenhouse	Trialeurodes vaporariorum
Blackmargined aphid	Monellia caryella
Yellow pecan aphid	Monelliopsis pecanis
Brown citrus aphid	Toxoptera citricida
Eastern grape leafhopper (nymphs)	Erythroneura comes
Grape leafhopper (nymphs)	Erythroneura elegantula
Variegated leafhopper (nymphs)	Erythroneura variabilis
Virginia creeper leafhopper (nymphs)	Erythroneura ziczac
White apple leafhopper (nymphs) <sup>1</sup>	Typhlocyba pomaria

<sup>&</sup>lt;sup>1</sup>White apple leafhopper (nymphs), and Silverleaf whitefly are only considered to be suppressed in California.

## APPLICATION DIRECTIONS

CROP	RATE	COMMENTS	
Ornamental plants and Foliage crops grown in greenhouses and outdoors (see crops listed in	gallons of water	Apply in 50-400 gallons of water per acre. Apply when mites first appear and before a threshold of five spider mites per leaf is reached. Apply higher rates for whiteflies.	
Table 2. Plant Species Tested for Tolerance to SANMITE miticide *)	Do not apply more	than 21.3 oz of product per acre, per year. er crops and non-target areas.	
Greenhouse tomatoes	4 – 6 oz per 100 gallons of water	Apply in 50-400 gallons of water per acre. Apply when mites first appear and before a threshold of five spider mites per leaf is reached. Apply higher rates for whiteflies.	
	<ul> <li>PHI = 2 days</li> <li>Do not make more than 2 applications per crop per year.</li> <li>Do not apply more than 8 oz of product per crop per season.</li> <li>Allow a minimum of 30 days between sequential applications</li> </ul>		
Greenhouse cucumbers	4 – 6 oz per 100 gallons of water	Apply in 50-400 gallons of water per acre. Apply when mites first appear and before a threshold of five spider mites per leaf is reached. Apply higher rates for whiteflies.	
	<ul><li>Do not apply more</li><li>Allow a minimum or</li></ul>	than 2 applications per crop per year. than 12 oz of product per crop per season. f 30 days between sequential applications. umbers grown in the field.	

Table 2. Plant Species Tested for Tolerance to SANMITE Miticide \*

COMMON NAME Ageratum, Blue Blazer	SCIENTIFIC NAME Ageratum houstonianum
Alurrinum Plant	Pilea cadierei
Alyssum	Lobularia maritima
Andromeda, Japanese	Pieris japonica (Thumb) v
Andromeda, Japanese	'Mountain Fire'
Anthurium	Anthurium spp.
Arborvitea, American	Thuja occidentalis, smaragd
Aster, Rainbow	Aster spp.
, Solidago	Aster spp.
Azalea	Phododondron sp
Baby's Breath	Rhododendron sp. Gypsophila paniculata
Balloon Flower	Platycodon grandiflora
Balloon Flower	'Sentimental Blue'
Barberry, Japanese	Berberis thunbergii
Red Leaf	(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
Carnation, Pink Candy	2.a.mae ea.yepnyae
Celosia, Dwarf Mixed	Celosia argenta
Charnaedorea Palm	Chamaedorea elegans
Christman Castus	Chrysanthemum spp.
Christmas Cactus	Schlumbergera bridgesii
Cimmaron	Medicago sativae
Cinquefoil	Potentilla fructicosa spp Including 'May white'
Coleus, Scarlet Wizard	Coleus hybridus
Coneflower	Rudbeckia sp. V 'Goldilocks'
Cosmos	Cosmos sp.
Cotoneaster	Coloneaster dammeri C.K
Colonication	Schneid v 'Coral' Beauty'
Cotoneaster	Cotoneaster apiculaius Reho & E.H. Wils
Croton, Pictum	Codiaeum variegatum
Cyclamen, Red	Cyclamen persicum
, White Dahlia	Dahlia snn
Daisy, Shasta	Dahlia spp. Chrysanthemum maximun
Daisy, Oriasia	Ramond v 'Silver Princess'
Daylily	Llemerocallis spp.
Dianthus, Pink	Dianthus spp.
,Telstar Lavender , Telstar White	Билинае орр.
Dieffenbachia, Dumb cane	Dieffenbachia sp.
Dogwood, Cornelian Cherry	Cornus spp.
Dracaena	Dracaena marginata
Dusty Miller	Centaurea cineraria
Dwarf Winged Euonymus	Euonymus alata (Thumb. Siebold v. 'Compacta'
Elm	Ulmus spp.
Euonymus	Euonmymus spp.
Euonymus, Winged	Euonymus alata (Thumb. Siebold
Euonymus, Dwarf Winged	Euonymus alata (Thumb. Siebold v ' Compacta
False Cypress	Chamaccynaris nisitera
False Cypress Fern, Pteris	Chamaccyparis pisifera Pteris biaurita
False Cypress Fern, Pteris Fern, Asparagus	Chamaccyparis pisitera Pteris biaurita Asparagus setaceus

COMMON NAME	SCIENTIFIC NAME
Fir, Douglas	Pseudotsuga menziesii (Mirb)
, 113 111	Franco
Fir, Fraser	Abies fraseri
Fir, Noble	Abies porcera
Fire Thorn	Pyracantha coccinea
Fuchsia	Fuchsiu sp.
Gardenia, August Beauty	Gardenia jsaminoides
Geranium, Scarlet Orbit Gerbera Daisy	Geranium sp. Gerbera sp.
Gladiolus	Gladiolus x hortulanus L.H.
Gladiolus	Bailey
	Gladiolus sp. V 'Nova Lux'
Gloxinia	Sinningia speciosa
Gold Dust Plant	Aucuba japonica
Goldfish plant	Alloplectus nummularia
Hemlock Hibiscus	Tsuga canadensis Carriere Hibiscus spp.
Hollyhock	Alcea rosea v ' Apricot'
Holly, Chinese	Hex cornuta
, Burford	Hex cornuta 'Burfordii'
, Japanese	Hex crenta
Honeysuckle	Lonicera spp.
Hyacinth, Common	Hyacinthus orientalis
Hydrangea	Hydrangea spp.
Hydrangea-vine	Schizophragma hydrangea
Impatiens, New Guinea , hybrids	Impatiens wallerano
, riybrids , Celsia high energy	
, Sunshine	
Iris, Miniature	Iris spp.
Ivy, Cascade	Hedera helix
, English	
, Spade Juniper	luninorus enn
Kalanchoe	Juniperus spp.  Kalanchoe sp.
Lilac	Syringa patula
Lily, Easter	Lilium Ioniflorum
, Calla	Zantedeschia sp.
, Peace	Spathiphyllum sp.
, Mauna Loa , Orange pixie	Spathiphyllum sp. 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 Muscari, (Grape Hyancinth)	Philadelphus coronaries  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 Petunia, Harmony Boy	Paeonia lactiflora Pall. Petunia hybrida
, White Cascade	i Guilla Hybrida
, 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.

COMMON NAME	SCIENTIFIC NAME
Poinsettia	Euphorbia pulcherrima
Ponytail plant	Reaucarnea 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,	Rhododendron sp.
English 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

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

#### **ADDITIVES**

In general, no additives are necessary for effective use of SANMITE Miticide.

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.

#### **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 Tank Mixing Information.

## 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 testing has been conducted. 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.

#### **USE RESTRICTIONS**

- 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:
  - o 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.

# 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 Handling**

**Water-soluble packaging:** Nonrefillable container. Do not reuse or refill this container. 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.

## FOR 24 HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE). CALL CHEMTREC® (800) 424-9300

#### NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our directions for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Gowan Company. All such risks shall be assumed by the Buyer and User.

Gowan Company warrants that this product conforms to the specifications on the label when used in strict conformance with Direction for Use, subject to the above stated risk limitations. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, GOWAN COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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