



# Miticide/Insecticide



FOR CONTROL OF MITES AND WHITEFLIES ON ORNAMENTAL PLANTS, FLOWERS, AND FOLIAGE PLANTS

## Product Information Bulletin 205

### GENERAL INFORMATION

JUDO is a miticide/insecticide in a new chemical class (tetrionic acids) with a new mode of action that is highly effective against a wide range of mites and whiteflies. JUDO affects all development stages of mites and whiteflies (including eggs and transformation stages). JUDO is translaminar and moves readily through the leaf tissue. JUDO provides extended residual control of mites (30+ days) and whiteflies (21+ days).

JUDO is a suspension concentrate (SC) containing 4 pounds of Spiromesifen per gallon

<b>Common Name:</b>	<b>Spiromesifen</b>
<b>Class:</b>	<b>Tetrionic Acid</b>
<b>Packaging:</b>	<b>8 fluid ounces</b>

### RESTRICTED ENTRY INTERVAL AND SIGNAL WORD

**REI: 12 hours**                      **Signal Word: Caution**

### PERSONAL PROTECTION EQUIPMENT (PPE)

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

### ADVANTAGES OF JUDO

- Controls all stages of mites and whiteflies
- Long-term, 28-day residual control
- New class of chemistry
- Highly translaminar
- Soft on beneficials

### MODE OF ACTION

JUDO is a lipid biosynthesis inhibitor (LBI). JUDO works by preventing the treated insect from maintaining proper water balance which results in desiccation. The treated mite or whitefly dries up and dies. This occurs within 4 to 10 days after treatment, although feeding stops after 1 to 2 days.

### APPLICATION AND RATES

Apply specific dosage of JUDO as needed for control. Good coverage of the upper and lower leaf surfaces is necessary for optimal control. An adjuvant may be used to improve coverage and control. For best results, the treatment should be made before a damaging population of whitefly and/or mite is established. JUDO is most effective against egg and nymph stages of whiteflies and mites. Control should be directed at these stages. Rates range is listed below and is generally dependent on plant size and density of the foliage. Apply when pests first appear and prior to leaf damage or discoloration. Apply in spray equipment in adequate water for uniform coverage.

**RATE:** 2 to 4 fl. oz. per 100 gal. of spray solution

**Pests Controlled with Judo**

- Two spotted Spider Mite
- Southern Red Mite
- Rust Mite
- Cyclamen Mite
- Broad Mite
- Spruce Spider Mite
- Honeylocust Spider Mite
- Sweetpotato Whitefly
- Silverleaf Whitefly
- Greenhouse Whitefly

(See label for complete list of pests controlled)

## TANK MIXING

JUDO is physically and biologically compatible with many registered pesticides and fertilizers or micronutrients. To determine physical compatibility, add the recommended proportions of each chemical in the same proportion of water that will be present in the chemical supply tank.

### For tank mixes with products in other formulations:

1. Fill tank 1/4 to 1/3 full with clean water
2. While recirculating and with agitator running, add any products in PVA bags. Allow time for thorough mixing
3. Continue to fill spray tank with water until 1/2 full
4. Add any other wettable powder (WP) or wettable granular (WG)
5. Add JUDO or any other flowable (FL or SC)-type products
6. Allow enough time for thorough mixing of each product to tank
7. If applicable, add any remaining tank mix component: emulsifiable concentrate (EC), fertilizer, and micronutrient
8. Fill spray tank to desired level and maintain constant agitation to ensure uniformity of spray mixture

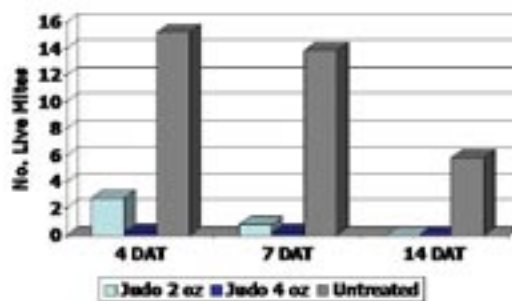
## RESISTANCE MANAGEMENT

JUDO contains an active ingredient with a novel mode of action. Studies to determine cross-resistance with JUDO linked to other commercial insecticides/miticides have demonstrated no cross-resistance. However, repeated use of any crop protection product may increase the development of resistant strains of pests, including insects and mites.

## PRECAUTIONS

1. Limit JUDO sprays to 4 applications per season or crop cycle
2. Do not use JUDO in successive applications
3. Do not reapply JUDO until two applications are made with miticides with different modes of action
4. Do not use JUDO through irrigation systems
5. Do not allow product to freeze
6. See the label for other use precautions

### Two-spotted spider mite control on Rose (CA)



### Silverleaf Whitefly Control on Poinsettia (CA)

