

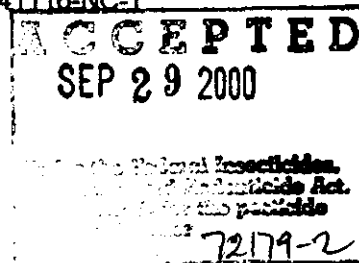
Milsana® bioprotectant Concentrate

A plant extract to boost the plants' natural defense mechanisms against certain fungal diseases.

Active ingredient: Extract of <i>Reynoutria sachalinensis</i>	5 %
Other ingredients:	95 %
Total	100 %

EPA Reg. No. 72179-E

EPA Est. No. 41116-NC-1



WARNING KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

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

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, used detergents and hot water. Keep and wash PPE separately from other laundry.

FIRST AID STATEMENT

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN: 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 INHALED: Remove person to fresh air. Call a poison control center or doctor for treatment advice.

USER SAFETY RECOMMENDATION

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water.

Net Contents:

KHH BioSci, Inc.

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Raleigh, North Carolina 27606

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.

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 exemptions pertaining to the statements on this label about personal protective equipment (PPE) and the restricted entry interval (REI). 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 twenty-four (24) 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

GENERAL INFORMATION

Milsana is an organic extract from the plant *Reynoutria sachalinensis* for use on greenhouse grown ornamental plants. Milsana applied to actively growing plants (see directions for use) will help make the treated leaf area resistant to certain plant diseases. It also will result in greener, healthier plants. In begonias increased flowering was noted.

Milsana should be used as a preventative rather than a curative application. Apply prior to disease infestation to protect the growing leaf tissue. The principle disease controlled in ornamental plants is powdery mildew (*Oidium* spp.).

MODE OF ACTION

The extract obtained from ground-up *R. sachalinensis* plant material contains the active chemical substances. These compounds, when applied to the host plant, raise their natural defense system, based on a five-fold increase in phenolics. This induced resistance against some important diseases is not systemic, but there is some translaminar protection. This means that new plant growth needs to be protected, and repeat applications at 7-10 day intervals are recommended. The resistance induction takes place in one to two days. Light is required.

ORNAMENTAL PLANTS

The following plant species have been treated with Milsana, either for the purpose of rendering them more vigorous or to prevent disease. The disease most prominently controlled is powdery mildew (*Oidium* spp.), and there are also reports of gray mold (*Botrytis cinerea*) suppression. Plants investigated:

- | | |
|------------|-------------|
| Begonias | Petunias |
| Freesias | Poinsettias |
| Gerbera | Roses |
| Lisianthus | Salvias |
| Myrtle | Zinnias |

Since it is not possible to test all ornamental species or varieties grown in the greenhouse, it is recommended that the producer first test Milsana on a few plants prior to large-scale usage.

APPLICATION RATES AND TIMING

Mix Milsana bioprotectant concentrate with tap water at a concentration of 0.5% v/v (2 qts Milsana/100 gals water). Rates for trial purposes should range from 0.25%-1% v/v. Begin applications at the 4-6 leaf stage and treat at 7-10 day intervals as needed prior to sale or harvest. Spray until run-off. Make no more than six applications for annual ornamentals.

MIXING INSTRUCTIONS

Milsana bioprotectant concentrate is a suspension concentrate (SC) consisting of certain natural ingredients. Some of these ingredients tend to settle out after standing for an extended time in the container. **They need to be shaken vigorously to be re-suspended before using.** If mechanical mixing is available when preparing the spray solution, keep the agitator running. Do not apply with a wetting agent or non-phytotoxic oil. Do not mix with any other ingredient unless specified on this label.

RESTRICTIONS AND LIMITATIONS

- Do not apply through any type of irrigation equipment.
- Do not apply more than 100 gallons of a 1% spray solution per acre.
- Do not apply more than six applications per year.
- Do not apply with a wetting agent or non-phytotoxic oil. Do not mix with any other ingredient unless specified on this label.

Concentrations of 1% Milsana or more applied to very small, tender plants may produce serious plant injury. Do not use on Gerbera and Lisianthus plugs. Wait for two weeks after transplanting.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container. Keep container tightly closed when not in use. Keep from freezing. Store in a heated warehouse.