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# KOPA INSECTICIDAL SOAP

INSECTICIDE  
COMMERCIAL  
SOLUTION

WARNING - SKIN AND EYE IRRITANT

READ THE LABEL BEFORE USING

For control of aphids, earwigs, mealybugs, spider mites, psyllids, pear and rose slugs (sawfly larvae), soft brown scale, and whitefly.

For use indoors, outdoors and in greenhouses; fruit trees, vegetables, houseplants, cannabis (produced commercially indoors), ornamental and bedding plants, ornamental and shade trees.

ACTIVE INGREDIENT: Potassium salts of fatty acids 47.00%

REGISTRATION NO. 31433 PEST CONTROL PRODUCTS ACT

NET CONTENTS XXX L

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## **DIRECTIONS FOR USE**

Mix 8 L of product with 400 L of water. Add sufficient water to the mixing tank to allow proper agitation by pump or paddles. Continue stirring while adding first the Kopa Insecticidal Soap then the remaining water. Hard water in excess of 300 ppm should be conditioned to reduce its hardness prior to mixing with Kopa Insecticidal Soap.

For field applications, apply the diluted solution at a rate of 700 to 1900 L/ha using ground spray equipment. For best results, commence treatment when infestation is first noticed. Thoroughly spray insect pests on plants with diluted product to wetting. Minimize run-off to reduce plant injury on sensitive plants. Kopa Insecticidal Soap is a contact spray and is effective in its liquid state. Pests need to be contacted with spray solution to be effective. Efforts should be made to thoroughly reach all plant parts including undersides of leaves. Repeat treatment every one to two weeks as needed. Apply to a maximum of three consecutive applications to ensure plant injury does not occur. Additional applications may be possible if previous experience with repeat applications of the product under the same conditions have not produced plant injury. May be used on edible crops up to and including day of harvest.

## **CUTTING DIPS**

For use on greenhouse ornamentals to control whitefly nymphs.

Mix 0.5 – 2 L per 100 L water (0.5% - 2%). Use higher concentrations (e.g. 1% or 2%) when older instar nymphs are present. Do not use without determining crop sensitivity (phytotoxicity) first. Use a clean dipping tank and equipment. Stir solution thoroughly. Prepare as-needed; do not allow dip solution to sit for long periods prior to use.

Dip applications are intended to be conducted prior to planting vegetative cuttings into rooting substrate.

The immersion process should be conducted as follows:

- Place unrooted cuttings in a mesh immersion tray with a lid.
- Ensure the cuttings are not packed too tightly to promote maximum surface area coverage.
- Immerse the tray completely, gently moving the tray around in the solution for at least 5 seconds to allow the solution to completely saturate all surfaces (solution must contact target pests to be effective).
- Verify that there are no dry surface areas after dipping.
- Agitate dip solution throughout use to keep product(s) in suspension.
- Prepare a new dip solution regularly to avoid potential accumulation of plant pathogens.
- Disinfect the dipping tank and equipment before a new dip solution is prepared.
- Avoid exposing dipped cuttings to full sun.
- Do not use on stressed/wilting cuttings.

## **TANK MIXING**

Kopa Insecticidal Soap may be combined with other pesticides to broaden the target spectrum, improve the level of kill, provide residual kill and enhance coverage. When used as a tank-mix, observe all directions for use, crops, use rates, dilution ratios, precautions, and limitations, which appear on the tank mix partner product label. Follow the label directions for the most restrictive of label precautions and limitations. This product should not be mixed with any product that prohibits such mixing. For tank mixing with companion pesticides, Kopa Insecticidal Soap should be used at a 1% formulation (1 L of concentrate to 100 L of water).

Order of Tank Mixing:

- water
- water conditioner (if needed)
- conventional pesticide - add other products in the following order: water-soluble bags, wettable powders, dry flowables, liquid flowables, ECs, and soluble materials such as fertilizers
- Kopa Insecticidal Soap

Also, if appropriate, perform a Tank Mix Compatibility Test: Using a 2 L jar, add the proportionate amounts of the products (in the order recommended above) to 1 L water. After thorough mixing, let it stand for 5 minutes. If the combination remains mixed or can be re-mixed readily, it is compatible. Once compatibility is proven, use the same procedure for adding required products to the spray tank.

Manzate and dithane are incompatible with Kopa Insecticidal Soap.

Combining this product with sulfur or applying this product within 3 days of sulfur application may increase the plant damage caused by sulfur on sensitive plants (e.g., grape). Do not tank mix Kopa Insecticidal Soap with sulfur when temperatures are higher than 32°C.

Do not allow tank mixes to sit for long periods. Mix and spray as soon as possible. Kopa Insecticidal Soap alone only requires stirring prior to use. Tank mixes of Kopa Insecticidal Soap with other pesticides should continue to be stirred throughout use. If using equipment without pump or paddle, shake often during use. Flush fluid in sprayer hose lines back into the tank if stirring is interrupted.

### USE RESTRICTIONS

- Do not spray when plants are under stress.
- Use with care on new seedlings, transplants and blooms. Do not apply to new seedlings and transplants without determining sensitivity (phytotoxicity) first.
- Avoid spraying during full sun. Spray early in morning or evening or when overcast.
- Soap spray may cause marking of some varieties.
- If concerned about sensitivity of plants, apply to individual plants or small areas of plants and wait to determine if plant damage (phytotoxicity) occurs prior to treatment of larger areas.
- Do not apply to evergreens during drought and use caution when tender new foliage is present.
- Poinsettias may be sensitive; do not apply after coloring of bracts has begun.
- Do not use on sweet peas, nasturtiums, delicate ferns or Calmeria and Italia varieties of grapes.
- Use with care on azaleas, bleeding heart, camellia, corn, euphorbia, fuchsia, gardenia, geraniums, impatiens, hawthorn, horse chestnut, jade plant, Japanese maple, lantana, mountain ash, ornamental ivy, palms, succulents.
- Sensitivity varies with plant varieties.

### PESTS/SITES

Kopa Insecticidal Soap will control insect pests such as: aphids, mealybugs, mites, scale insects, sawfly larvae (e.g. pear and rose slugs), psyllids, earwigs and whitefly.

Crop	Pest
Fruit trees such as apples, apricots, cherries, nectarines, peaches, pears, plums, and prunes Nut trees such as: walnuts and hazelnuts	aphids, mites, earwigs, mealybugs, psyllids, sawfly larvae (pear slugs), scale insects, spider mites

Additional recommendations for this use:

- Use with care on pears after delayed dormant stage due to potential for fruit marking.
- Do not exceed a maximum rate of 950 L/ha on smooth skinned stone fruit up to fruit formation.
- Do not exceed a maximum rate of 1650 L/ha on peaches.
- Do not use on yellow skinned nectarines.

Crop	Pest
Small fruits such as grapes, strawberry, blueberry, raspberry, cranberry	aphids, mealybugs, mites, scale insects

Additional recommendations for this use:

- Do not use on table grapes once they become 6-7 mm in diameter (removes waxy bloom) or use at lowest recommended rate (700 L/ha).

Crop	Pest
Ornamental and shade trees such as flower and foliage plants, birch, flowering cherry, dogwood, evergreens, hawthorn, holly, magnolia, maple, oak, flowering peach, privet, pyracantha, sycamores	aphids, mealybugs, mites, psyllids, sawfly larvae, spider mites, whiteflies
Flowering, foliage, bedding plants and houseplants - greenhouse and outdoors	aphids, mites, scale insects, spider mites, whiteflies, sawfly larvae (rose slugs), earwigs
Alfalfa, canola, soybeans, wheat	aphids, mites, whiteflies
Corn (field, sweet)	aphids
Sugar beets	mites, aphids
Vegetables - field and greenhouse (e.g. asparagus, beans, beets, broccoli, Brussel sprouts, cabbage, cauliflower, celery, collards, corn, cucurbits, eggplant, kale, lettuce, lima beans, melon, mustard greens, peas, potatoes, peppers, radishes, spinach, squash, tomatoes, turnips)	aphids, mites, whiteflies
Herbs and spices, mint – field and greenhouse	aphids, mites, whiteflies
Hops	aphids, spider mites
Cannabis (marihuana) that is produced commercially indoors	Aphids, spider mites, whiteflies

## PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Causes eye and/or skin irritation. DO NOT get in eyes or on skin and clothing. Use only in well ventilated areas. Wear long sleeved shirt and long pants, chemical resistant gloves, shoes, and goggles or face shield during mixing, loading, clean up and repair. Wear long sleeved shirt and long pants during spray application. For cutting dip application, wear chemical resistant gloves.

## ENVIRONMENTAL PRECAUTIONS

This product is toxic to aquatic organisms. Do not allow wastewater, effluent or runoff containing this product to enter lakes, streams, ponds or other waters. Avoid direct application to ponds, streams and lakes.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at [www.croplife.ca](http://www.croplife.ca)

## TOXICOLOGICAL INFORMATION

Treat symptomatically.

## FIRST AID

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. Call a poison control centre or doctor for treatment advice. If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

## STORAGE

To prevent contamination store this product away from food or feed.

## **DISPOSAL**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product contact the manufacturer or provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.
6. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

## **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offense under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

## **OPTIONAL STATEMENTS**

- insecticidal soap
- insecticide/Miticide
- insect spray
- roses and flowers
- houseplants and gardens
- fruits and vegetables
- rose and flower insecticide
- kills bugs on contact
- kills insects on contact
- insect killer
- indoor-outdoor
- houseplants and gardens
- May be used up to day of harvest
- Can be used until day of harvest
- Does not persist in the environment
- from plants for plants
- contact insecticide
- Kopa Insecticidal Soap is a contact spray and pests must be sprayed directly to achieve control
- For use on vegetables, fruit trees, ornamentals, shrubs, flowers, and trees in homes, gardens and greenhouses
- Can be used in vegetable gardens
- May be applied to edibles up to day of harvest
- Patent Pending
- Read Entire Container Label Before Using This Product
- Controls: aphids, earwigs, mealybugs, mites, psyllids, pear and rose slugs (sawfly larvae), soft brown scale, and whitefly
- Controls spider mites, aphids, mealybugs, soft brown scale, and whitefly
- Kills: aphids, earwigs, mealybugs, mites, psyllids, pear and rose slugs (sawfly larvae), soft brown scale, and whitefly
- Kills spider mites, aphids, mealybugs, soft brown scale, and whitefly
- Do not spray when plants are under stress
- Kopa Insecticidal Soap is a contact killer for both insect and mite pests
- Sold under a license of W. Neudorff GmbH KG



This pest control product contains only substances that appear on the Organic Production Systems Permitted Substances Lists and may be suitable for use in organic agriculture; please consult your authorized organic Certification Body for further information.