

# BON-NEEM INSECTICIDAL SOAP CONCENTRATE

**CONTROLS:** APHIDS, MEALYBUGS, SCALE CRAWLERS, SPIDER MITES, THRIPS, WHITEFLIES AND OTHER LISTED PESTS.

**FOR USE ON LAWNS,** INDOOR PLANTS, OUTDOOR ORNAMENTAL PLANTS, FLOWERS, SHRUBS AND TREES AND ON GARDEN VEGETABLES, FRUITS AND NUT TREES.

Store and transport in an upright position.

EPA Est. No. 4-NY-1

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Buyers Guarantee Limited to Label Claims.

Distributed by  
Bonide Products, Inc.  
6301 Sutliff Road  
Oriskany, NY 13424

## 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.

**READ ENTIRE LABEL. USE IN STRICT ACCORDANCE WITH LABEL DIRECTIONS & PRECAUTIONS.**

## GENERAL INFORMATION

This product can be applied up to day of harvest.

**MIXING AND APPLICATION:** Shake or stir product thoroughly before use. Mix product with soft water whenever possible. Always use freshly mixed solutions.

You may apply product with most types of hand or power sprayers. Be certain that spray tanks, hoses, nozzles and other sprayer parts are thoroughly clean and uncontaminated by other pesticide residues before use. Read and follow the instructions for the type of sprayer you use.

## GENERAL USE RESTRICTIONS

Do not use on new transplants, recently rooted cuttings, drought-stressed plants or sensitive new growth. Never apply while plants are exposed to full sun; spray during early morning or evening hours when the temperature is below 85°F.

Certain plant varieties are more sensitive than others and sensitivity may appear after multiple applications. **Test a few inconspicuous leaves** of BALD CYPRESS, BEGONIAS, CAMELLIAS, CHRYSANTHEMUMS, CUCURBITS, DELICATE FERNS, EUPHORBIAS, FUCHSIAS, GRAPE, IMPATIENS, IVIES, PALMS, PEPPERS, POINSETTIAS, NARROW LEAF EVERGREENS, SCHEFFLERA AND SUCCULENTS, **and flowers** of AFRICAN VIOLET, AGERATUM, AZALEA, BEGONIA, CHRYSANTHEMUM, DAHLIA, GERANIUM, IMPATIENS, LILY, MARGOLD, PANSY, PETUNIA, SALVIA, SNAPDRAGON, VINCA AND ZINNIA **for sensitivity** before application (or reapplication) to entire plant. If wilting of leaves or flowers occurs within a few hours, rinse test plants with clean water.

## GENERAL USE RESTRICTIONS Cont.

**Do not use on drought-stressed plants or on BLEEDING HEART, CROWN OF THORNS, GARDENIA, HORSE CHESTNUT, JADE PLANT, JAPANESE MAPLE, LANTANA, MOUNTAIN ASH OR SWEETPEAS, or tender new growth of conifers.** Use of this product may discolor foliage of spruce or other conifers. Surface marking may result from presence of sooty molds on foliage or fruits of some plants, particularly on citrus and some varieties of pome fruits.

**PROTECT POLLINATING INSECTS:** Unless flowers are the target of pest species, avoid spray treatments when plants are in full bloom.

## FOR HOME AND GARDEN USE

**To contact and kill most mite and insect pests,** use a fresh spray be dilution of the concentrate in water. Make up a 1:50 spray dilution (0.5% of active ingredient) with 1 part of product to 50 parts water, or 2.5 oz. of product in 1 gallon of water. (NOTE: 2.5 oz. = 5 TBS./0.5 oz. = 1 TBS.)

Treat **INDOOR PLANTS** with a 1:50 spray dilution to contact and kill **APHIDS, MEALYBUGS, SCALE CRAWLERS, SPIDER MITES, THRIPS & WHITEFLIES.** Make sure spray penetrates through dense foliage to contact pests and wets all infested surfaces. Examine plants for aphids after two days and retreat if aphids are still present. Spray at weekly intervals if other pests are still present. Treat **AFRICAN VIOLETS** to contact and kill blossom thrips by spraying all surfaces of blossoms. Treat **AFRICAN VIOLETS, SUCCULENTS OR CACTUS** for contact and kill of **ROOT MEALYBUGS** by drenching pots of infested plants with a tepid 0.4% solution (0.5 oz. or 1 TBS. of product per quart of water.)

Treat **ORNAMENTAL TREES, SHRUBS & PLANTS** in and around the home, or **FLOWERS, BEDDING PLANTS & ORNAMENTAL VEGETABLES,** grown outdoors or in greenhouses, with the 1:50 spray dilution to contact and kill **ADELGIDS, APHIDS, IMPORTED CABBAGE WORMS, CRICKETS, EARWIGS, FLEA BEETLES, GRASSHOPPERS, GREEN STINK BUGS, GYPSY MOTH CATERPILLARS, HARLEQUIN BUGS, JAPANESE BEETLES, LACEBUGS, LEAFHOPPERS, MEALYBUGS, PLANT BUGS, PSYLLIDS, ROSE SLUGS, SAWFLIES, SCALE CRAWLERS, SPIDER MITES, SQUASH BUGS, TENT CATERPILLARS, THRIPS & WHITEFLIES.**

Treat **FRUIT & NUT TREES OR BERRIES**, grown outdoors or in greenhouses, with the 1:50 spray dilution to contact and kill listed pests **up to day of harvest**. Use on **ALMOND, BEECHNUT, BUTTERNUT, CASHEW, CHESTNUT, FILBERT, HICKORY NUT, MACADAMIA NUT, PECAN & WALNUT** to kill **APHIDS & SPIDER MITES**; use on **GRAPEFRUIT, LEMON, LIME, ORANGE, TANGERINE, TANGELO & OTHER CITRUS HYBRIDS** to kill **APHIDS, SCALE CRAWLERS & SPIDER MITES**; use on **APPLE, CRABAPPLE, GUAVA, PEAR & QUINCE** to kill **ADELGIDS, APHIDS, PEAR PSYLLA, PEAR SLUG, SCALE CRAWLERS, SPIDER MITES, THRIPS & WOOLY APHIDS**; use on **APRICOT, CHERRY, NECTARINE, PEACH, PLUM & PRUNE** to kill **APHIDS & MITES**; use on **BLACKBERRY, BLUEBERRY, BOYSENBERRY, CRANBERRY, CURRENT, DEWBERRY, ELDERBERRY, FIG, GOOSEBERRY, GROUNDCHERRY, HUCKLEBERRY, KIWI FRUIT, LOGANBERRY, MULBERRY, PAWPAW, PERSIMMON, PINEAPPLE, RASPBERRY, SERVICEBERRY, STRAWBERRY, SUGAR APPLE & YOUNGBERRY** to kill **APHIDS & SPIDER MITES**; use on **GRAPE** to kill **APHIDS & LEAFHOPPERS**; use on exotic fruit such as **AVOCADO, BANANA, DATE, GRANADILLA, LOQUAT, MANGO, PAPAYA, PASSION FRUIT, POMEGRANATE, PRICKLYPEAR, SAPODILLA, SAPOTA, SHADDOCK & SOURSOP** to kill **ADELGIDS, APHIDS, LEAFHOPPERS, MEALYBUGS, PLANT BUGS, PSYLLIDS, SCALE CRAWLERS, SLUGS (SAWFLY LARVAE), SPIDER MITES, STINK BUGS, THRIPS, WOOLY APHIDS & WHITEFLYS**.

Treat **GARDEN VEGETABLES**, grown outdoors or in greenhouses, with 1:50 spray dilution to contact and kill listed pests **up to day of harvest**. Use on **EGGPLANT, OKRA, PEPPERS & TOMATOES** to kill **APHIDS, SPIDER MITES & WHITEFLYS**; use on **BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, CHARD, CHINESE CABBAGE, COLLARDS & KALE**, to kill **APHIDS, CABBAGE LOOPERS, FLEA BEETLES, HARLEQUIN BUGS, IMPORTED CABBAGEWORMS, LEAF BEETLES, LEAFHOPPERS & WHITEFLIES**; use on **CELERY, LETTUCE, MUSTARD & OTHER GREENS, RADISH, SPINACH & TURNIPS** to kill **ADELGIDS, APHIDS, CATERPILLARS, FLEA BEETLES, LEAFHOPPERS & SPIDER MITES**; use on **CUCUMBER, PUMPKIN, SQUASH & MELONS** to kill **APHIDS, FLEA BEETLES, LEAF BEETLES, LEAFHOPPERS, SPIDER MITES, SQUASH BUGS & WHITEFLIES**; use on **BEANS, PEAS & EDIBLE SOYBEANS** to kill **APHIDS, LEAFHOPPERS, GRASSHOPPERS, GREEN STINK BUGS & SPIDER MITES**.

## FOR GREENHOUSES & INDOOR PLANTSCAPES

Use 1:50 spray dilution to contact and kill LISTED PESTS as directed.

Use a 0.4% (active) spray solution (2 oz. or 4 TBS. of product per gallon of water) for contact and kill of GREENHOUSE WHITEFLY. **TREAT UP TO DAY OF HARVEST** to kill listed pests on greenhouse or indoor food plants (vegetables, herbs, fruits & nuts).

On **LAWNS & TURF**, use 1:50 spray dilution to contact and kill **CHINCH BUGS & MOLE CRICKETS**. Apply at a rate of 1 pint of spray per 55 sq. ft. For best results, thoroughly water (or irrigate) treated turf at rate of 7 ½ gallons of water per 55 sq. ft. immediately after treatment.

FOR PERSISTENT PEST PROBLEMS, re-treat with a fresh spray dilution of this product at the strength specified above. Apply to contact pest and thoroughly wet both surfaces of infested leaves or branches.

Re-treat after 2 or 3 days for continued contact and kill of APHIDS and MEALYBUGS. Spray ADELGIDS, PSYLLIDS and SCALE during periods of peak egg hatch and crawler activity. Spray again after 14 days. For persistent infestations of other listed pests, spray 2 or 3 times (at weekly intervals) until pest control is achieved.

LIMIT TREATMENTS to a total of three spray applications, **unless** accumulating soap residues are first removed by a thorough rinsing of treated foliage. **Some plant varieties become sensitive after first treatment!** Test a few leaves before repeat applications to cucurbit & pepper varieties before retreating the entire planting. If leaf or flower wilt occurs within a few hours, rinse test plants with clean water.

## STORAGE AND DISPOSAL

**STORAGE:** Store in a cool place (preferably in a locked storage area) and keep container tightly sealed. Do not transfer or dilute into food or drink containers. Avoid contamination of feed and foodstuffs.

**DISPOSAL:** *If empty:* Do not reuse this container. Place in trash or offer for recycling if available. *If partially filled:* Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## FIRST AID

<b>If in Eyes:</b>	<ul style="list-style-type: none"><li>• Hold eyelids open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on Skin or Clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>

## 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 1-888-244-7336 for emergency medical treatment information on Monday through Friday, 9 am to 5 pm. On other days or at other hours call your poison control center.

## PRECAUTIONARY STATEMENTS

### Hazards to humans and domestic animals

**WARNING** - Harmful if inhaled. Causes moderate eye and skin irritation. Avoid contact with skin, eyes or clothing or breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before use.

**User Safety Recommendations:** 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.

**Environmental Hazards:** This product may be hazardous to aquatic invertebrates. Do not apply directly to water, areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

**Bee Hazard:** This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area.

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