

# Bon-Neem™ Insecticidal Soap

*C · o · n · c · e · n · t · r · a · t · e*  
MAKES 5 GALLONS OF SPRAY



Aphid



Whitefly



Mite

ACTIVE INGREDIENTS BY WT.	
Potassium Salts of Fatty Acids* .....	25.00%
*derived from Neem seed oil	
INERT INGREDIENTS.....	
Total .....	75.00%
	100.00%
EPA Est. No. 4-NV-1	EPA Reg. No. 70191-1-4

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

(See Back Panel for Additional Precautionary Statements)

61

TRUSTED SINCE 1926

**BONIDE®**

- Derived from the Botanical Oils of Indian Neem Tree Seeds
- Treat ornamental trees, shrubs & plants in and around the home, or flowers, bedding plants & ornamental vegetables grown outdoors or in greenhouses

## 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 EPA Reg. No. 70191-1-4  
Buyers Guarantee Limited to Label Claims.

Distributed by  
**BONIDE PRODUCTS, INC.**  
Oriskany, NY 13424

60610503

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its label. 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 with other pesticides 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, MARIGOLD, 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.

## Page: One

**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 by dilution of the concentrate. 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 the 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,

## Page: Two

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 & WOOLLY 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, WOOLLY APHIDS & WHITEFLIES.

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 & WHITEFLIES; use on **BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, CHARD, CHINESE CABBAGE, COLLARDS, & KALE,** to kill APHIDS, CABBAGE LOOPERS, FLEA BEETLES, HARLEQUIN

## Page: Three

## Page: Four

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.

**IN GREENHOUSES & INDOOR PLANTSCAPES**, use 1:50 spray dilution to contact and kill LISTED PESTS as directed above.  
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 rate of 1 pint of spray per 55 sq. ft. For best results, thoroughly water (or irrigate) treated turf at rate of 7 1/2 gallons of water per 55 sq. ft. immediately after treatment.

FOR PERSISTENT PEST PROBLEMS, re-treat with a fresh spray dilution of Bonide Bon-Neem Insecticidal Soap Concentrate 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 SCALES 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.

**PRECAUTIONARY STATEMENTS - Hazards to humans and domestic animals: DANGER** - Harmful if inhaled. Causes moderate eye and skin irritation. Avoid contact with skin, eyes or clothing or breathing mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. **STATEMENT OF PRACTICAL TREATMENT: If in eyes** - Flush eyes with plenty of water. Call a physician if irritation persists. **If on skin** - Wash with plenty of soap and water. Get medical attention if irritation persists. **If inhaled** - Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**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 by cleaning of equipment or disposal of wastes. **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.

**Personal Protective Equipment:** Some materials that are chemically resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart. Handlers who may be exposed to the diluted product through application or other tasks must wear; long-sleeved shirt and long pants, shoes plus socks. Handlers who may be

**Page: Five**

exposed to the concentrate through mixing, loading, application, or other tasks must wear; Goggles or safety glasses, coveralls over short-sleeved shirt and short pants, chemical resistant gloves such as butyl rubber, nitrile rubber, neoprene rubber or PVC, chemically resistant headgear for overhead exposure, and chemically resistant apron when cleaning equipment, mixing or loading. 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.

**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.

**STORAGE AND DISPOSAL: STORAGE:** Store in 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 or foodstuffs. **DISPOSAL: PESTICIDE DISPOSAL** - Dispose of unused product by securely wrapping original container in several layers of newspaper and discard in trash. **CONTAINER DISPOSAL:** Do not reuse empty container. Triple rinse before discarding in trash, or offer for recycling/reconditioning, or punch and dispose of in sanitary landfill, or by incineration, or by burning if allowed by local authorities. If burned, keep out of smoke.

**Page: Seven**

**Page: Six**

**Page: Eight is Blank**