84181-2_NimBioSys Neem Oil for Organic Gardening_20230306_2_84181_.pdf

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water bodies. Do not contaminate water when cleaning equipment or disposing wash water. Do not apply directly to water or 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 or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

USE SITES: NimBioSys Neem Oil may be used on various plants including beans, berries, corn, citrus trees, cole crops, cucurbits, herbs, fruit and nut trees, vegetables, roots and tubers, grass, lawns and ornamentals.

USE RATES: For best results, apply NimBioSys Neem Oil at 0.5-2.0% (2.0% only for trees, other applications 0.5% to 1.0%) plus soap, surfactant or emulsifier in sufficient amounts of water to achieve complete coverage. NimBioSys Neem Oil is most effective when applied before insects or eggs are present in large numbers.
Repeat application every 7 to 14 days.

Batch #

NimBioSys™

NEEM OIL

FOR ORGANIC GARDENING

BIOLOGICAL INSECTICIDE

Anti-Feedant, Insect Repellent, Insect Growth Regulator

For Crops and Uses on other Plants including vegetables, fruits, nuts, ornamentals and other non-crop plants

Active Ingredient:	
Cold Pressed Neem Oil*	100.0%
Other Ingredients:	0.0%
Total:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

READ ALL DIRECTIONS BEFORE USING THIS PRODUCT

If you do not understand the label, find someone to explain it to you in detail (Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.)

Manufactured for
The Ahimsa Alternative, Inc.
15 Timberglade Road, Bloomington, MN 55437
Toll Free: 877-USE-NEEM (873-6336)

EPA Reg. No. 84181-2
EPA Est. No. 063416-MN-001

NET CONTENTS: 1 Gal. (3.79 L)

Spray Directions: Apply NimBioSys Neem Oil as a foliar spray or as soil drench to control insects. When needed, soil drenches can also be used to control soil borne pests and larvae of pests. When applied as a soil drench, avoid excessive run off.

Instructions for 1 Gallon Sprayer

Concentration	Fluid Ounces (oz) Neem Oil per Gallon Water	Tablespoons (approx.) per Gallon Water	Soap (approx.) Recommendation
0.5%	2/3 oz	1 1/3 Tbs	1/3 – 2/3 teaspoon
1.0%	1 1/3 oz	2 1/2 Tbs	2/3 – 1 1/3 teaspoon
2.0% (trees only)	2 1/2 oz	5 Tbs	1 1/3 – 2 1/2 teaspoon

Instructions for 32 oz. (1 Qt.) Spray Bottle

Concentration	Teaspoons (approx.) Neem Oil per 32 ozs. (1 Qt) Water	Soap (approx.) Recommendation
0.5%	1 teaspoon	1/12 – 1/6 teaspoon
1.0%	2 teaspoons	1/6 – 1/3 teaspoon
2.0% (trees only)	4 teaspoons	1/3 – 2/3 teaspoon

Note: 1. Use adequate amount of soap/surfactant to form a good emulsion. Initially, use 1/2 to 1 teaspoon soap/surfactant/emulsifier per ounce of NimBioSys Neem Oil. Use more as needed. 2. Amount of soap required varies according to the nature of the soap/emulsifier/surfactant used. Start with a smaller quantity* and increase as needed to create a milky solution. **NOTE: NO OIL SHOULD BE FLOATING ON TOP.** (*Too much soap could cause leaf burn.)

NimBioSys™ NEEM OIL

BIOLOGICAL INSECTICIDE

Anti-Feedant, Insect Repellent, Insect Growth Regulator

For Crops and Uses on other Plants including vegetables, fruits, nuts, ornamentals and other non-crop plants

GENERAL INFORMATION

NimBioSys Neem Oil controls target pests on contact or by ingestion. The product acts on pests by way of repellence, anti-feedant action and interference with the molting process. The buyer or user is reminded that the degree of efficacy of the product is largely dependent on weather conditions, intensity of pest population, area of application, type of pest, and physical stages of pests and crops.

Do not store this product above 104ºF or below 20ºF for extended periods of time. Keep containers tightly closed and in original containers when not in use. Do not store exposed to ultraviolet light (sunlight) or moisture. Neem oil clouds and solidifies at temperatures below 59ºF. If oil has solidified, gently thaw by exposing to temps over 80ºF. Avoid spraying under conditions of high humidity and high temperature (>90ºF).

THAWING (MELTING) INSTRUCTIONS

Thaw (melt) solidified or frozen oil as suggested below:

8oz., 32 oz and 1-Gallon bottles

If oil has solidified, thaw by standing bottle in warm water. Make sure cap is tightly closed. Or set out in temps over 80ºF. Avoid direct exposure to temperatures over 104ºF.

MIXING INSTRUCTIONS

NimBioSys Neem Oil contains cold pressed Neem Oil and requires a surfactant/emulsifier, such as soap (hand or dish soap may be used), a non-ionic surfactant/emulsifier or other organic emulsifier for dilution with water.

NOTE: Do not attempt application without adding adequate quantity of surfactant or soap as improper emulsification will result in phytotoxicity such as leaf burn.

Add the soap/surfactant/emulsifier and NimBioSys Neem Oil to a mixing tank or spray bottle with a little water and agitate thoroughly. Then add remaining water to the spray tank or spray bottle with continuous agitation. Use warm water (not hot) if water temperature is below 60ºF.

FIRST AID

If inhaled: Move the person to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably mouth-to-mouth if possible. Call a doctor or poison control center for treatment advice.

If on skin or clothing: Remove contaminated clothing. Rinse skin immediately with plenty of water for about 15 minutes. Call a doctor or poison control center for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for about 15 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes. Call a doctor or poison control center for treatment advice.

If swallowed:

Call a poison control center or doctor immediately for treatment. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless instructed to do so by a poison control center or doctor.

Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time.

STORAGE AND DISPOSAL

Store in a cool dry place out of reach of children and pets and away from direct sunlight, windows, flames and other sources of heat or ignitions. Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

PESTS

NimBioSys Neem Oil may be used against the following pests:

Aphids
Cotton Aphid, Cowpea Aphid, Mustard Aphid, Okra Aphid, Pea Aphid, Rice Aphid

Beetles
Brinjal (Egg Plant) Spotted Leaf Beetle, Chick Pea Beetle, Cow Pea Beetle, Colorado Potato Beetle, Cucumber Beetle, Mexican Bean Beetle, Radish Flea Beetle, Red Pumpkin Beetle, Spotted Cucumber Beetle, Soybean Japanese Beetle

Stink Bugs Tomato Stink Bugs

Caterpillars
Black Headed Caterpillar, Cabbage Caterpillar, Ear Cutting Caterpillar, Tobacco Caterpillar, Yellow Hairy Caterpillar

Leafhoppers
Brown Plant Hopper, Carolina Grasshopper, Leafhopper, Potato Leafhopper, Rice Brown Plant Hopper, Rice Grasshopper, Rice Green Leafhopper

Leafminers
Leafminers of Ornamental Plants, Tomato Leafminer

Whiteflies
Cotton Whitefly, Sugarcane Whitefly, Banded Wing Whitefly, Citrus Whitefly

Mealy Bugs Mealy Bugs of Ornamental Plants

Midges Brassica Pod Midge

Mites Spider Mites

Nematodes Root knot nematodes

Weevils Black Vine Weevil

Worms Armyworms

Scales
California Red Scale, Yellow Scale, Coffee Green Scale

Thrips Peanut Thrip

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