

MASTER LABEL

This master label bears directions for both agricultural/commercial and homeowner use with various application rates specific to the associated container size.

NeemGard™

Broad Spectrum Insecticide/Fungicide/Miticide

For Indoor/Outdoor Use On Ornamental Flowering Plants, Trees, Shrubs, Foliage, Vegetables, Fruits, Nuts, and Row Crops Grown on Farms and in Nurseries, Greenhouses, Homes, and Residential and Commercial Landscapes

Controls Fungal Diseases Including Black Spot, Mildews, Rusts, and Scab

Kills Insects Including Whiteflies, Aphids, Mites, and Scales

ACTIVE INGREDIENT:

Clarified Hydrophobic Extract of Neem Oil.....90%

INERT INGREDIENTS10%

TOTAL 100%

This product contains 7 lb of clarified hydrophobic extract of neem oil per US gallon.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

EPA Reg. No. 70051-12

EPA Est. No. _____

Net Contents: _____

Composition covered by US Patents 5,298,251; 5,356,628; 5,372,817; 5,405,612; and 5,409,708.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Wash with plenty of water. Call physician if irritation persists.

Personal Protective Equipment:

Some materials that are chemical-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.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinylchloride (PVC) or Viton.
- Shoes plus socks.

Follow manufacturer's instructions for cleaning/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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product may be hazardous to fish and aquatic invertebrates. 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 by cleaning of equipment or disposal 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.

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 through any type of irrigation system.

STORAGE AND DISPOSAL

Storage: Keep in original container. Store in a dry place away from direct sunlight, feed, or foodstuffs. Keep container tightly sealed when not in use. Do not store below 60°F (16°C).

Pesticide Disposal: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Disposal: Triple rinse. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

General Information:

- Effective botanical disease control.
- Kills eggs, larvae, and adult insects.
- Prevents fungal attack of plant tissues.
- Multi-Purpose organic Insecticide/Fungicide/Miticide
- Not for use in food handling areas.
- Shake well before using.
- Sonification equipment is not recommended because it may cause the emulsion to separate.
- For optimal performance, do not mix with cold water, or apply under cold ambient temperatures (less than 55°F).
- Do not apply to wilted or otherwise stressed plants, or to newly transplanted materials prior to root establishment.
- Do not apply to known sensitive plant species, such as impatiens flowers, fuchsia flowers, hibiscus flowers, some rose flowers, ornamental olive trees, red maples, ridiccio, red Kale, some carnation varieties or similar plants without prior testing.

MANUFACTURED BY:
**THERMO TRILOGY
CORPORATION**

7500 Grace Drive, Columbia, MD 21044

ACCEPTED

FEB 25 1996

Under the Federal Insecticides, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under 70051-12 EPA Reg. No.

- When used in conjunction with beneficial insects, it is recommended that a small trial be conducted to assure compatibility before using on a large scale.
- As with other oil-based products, care should be exercised in timing applications to early morning/late evening to minimize the potential for leaf burn.
- Use with care on plants with tender tissue. Check for leaf burn in small-scale trials prior to use.
- If product thickens, place in a warm room (>65°F) for a few days until product is completely thawed or in warm water (120°F) for 2-8 hours until thawed.
- Do not use partially thawed material

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 exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. 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 4 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.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinylchloride (PVC) or Viton.
- Shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS
 The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried.

TANK MIXING
 NeemGard has been found to be compatible with most commonly used fungicides, insecticides, and fertilizers. Physical compatibility should first be checked by using the correct proportion of products in a small jar test. Growers should then test tank-mix combinations for phytotoxicity on a sample of plants prior to use. This is also recommended with combinations used before as environmental conditions can alter the interaction between compounds. *Due to the wide variation in climatic conditions, cultural practices, and other factors, the User assumes full responsibility for any crop damage or other liability resulting from the use of NeemGard in a tank mix combination.*

GREENHOUSE, LANDSCAPE, AND NURSERY USE INSTRUCTIONS
FUNGICIDE USE
ORNAMENTAL DISEASE CONTROL:
 NeemGard is an effective fungicide for the prevention and control of various fungal diseases including black spot on roses, powdery mildew, downy mildew, anthracnose, rust, leaf spot, botrytis, needle rust, scab, and flower, twig, and tip blight.

Landscape, Greenhouse, and Nursery Ornaments:
 NeemGard will provide broad spectrum control of many fungal diseases affecting ornamental flowering plants, trees, shrubs, and foliage when used as a foliar spray. NeemGard should be used at the rate of 1 gallon per 100-200 gallons of water, depending on the level of disease pressure. The lower rate (1:200) can be used when spraying as a preventative in a greenhouse while the higher rate (1:100) is needed for outdoor applications. Determine the best rate for your particular situation.

Greenhouse:
 When NeemGard is used as a preventative, the lower rate (1:200) will provide adequate control for most greenhouse situations. If disease pressure is evident, the higher rate (1:100) is recommended. Applications for disease prevention should be made on a 7-14 day schedule depending on the anticipated severity of the disease pressure. To control existing disease, NeemGard should be applied on a 7-day schedule until the disease pressure is eliminated. A 14-day schedule should then be used to prevent disease pressure from returning. **NOTE:** Greenhouse roses should only be sprayed in a rotations program which includes NeemGard once every 2 weeks.

Landscape Ornaments:
 In outdoor landscape applications, it is best to apply NeemGard at the 1:100 rate. This will provide the necessary control under the extreme outdoor conditions. When using NeemGard as a preventative, applications should be made on a 14-day schedule. If disease is present, a 7-day application schedule should be used to control the disease and prevent further damage from occurring.

MIXING INSTRUCTIONS:
 Add
 Oil 90% to one-half (1/2) full tank under agitation containing water of 55°F or greater before filling to desired level. If water temperature is below 55°F, premix NeemGard at a 1:1 ratio with tepid water to ensure good emulsification. Then dilute to final volume. When combining with other products, such as wettable powder insecticides or fungicides, add

these items first when the tank is approximately 1/3 full. Ensure that there is good agitation while mixing for complete emulsification. Maintain agitation during spray application. Do not use if this oil does not emulsify.

APPLICATION INSTRUCTIONS:

Apply to runoff at 25-40 psi with hand sprayer or 100-200 psi with power sprayer as a fine spray to both leaf surfaces. Excessive application is unnecessary and should be avoided.

MANAGEMENT OF LANDSCAPE AND ORNAMENTAL DISEASES			
SPRAY TARGET	CONCENTRATION	SPRAY INTERVAL	PRECAUTIONS
Potted Plants (Greenhouses)	1:100 - 1:200 (1.0% - 0.5%)	14 Days	Trial first on open blooms and sensitive plants
Flowering Bench Crops (Greenhouse)	1:100 - 1:200 (1.0% - 0.5%)	7-14 Days	Trial first on open blooms and sensitive plants
Outdoor Flowering Plants	1:100 - 1:200 (1.0% - 0.5%)	7-14 Days	Trial first on open blooms and sensitive plants.
Outdoor Woody Plants	1:50 - 1:100 (2.0% - 1.0%)	14 Days	

MANAGEMENT OF TURF DISEASES			
SPRAY TARGET	CONCENTRATION	SPRAY INTERVAL	PRECAUTIONS
Snow Mold	1:100 - 1:50 (1.0% - 2.0%)	14 Days	In fall before first snow
Dollar Spot	1:100 - 1:200 (1.0% - 0.5%)	14 Days	At first sign of disease
Brown Patch	1:100 - 1:200 (1.0% - 0.5%)	14 Days	At first sign of disease

INSECTICIDE USE

For use to control whiteflies, mealybugs, aphids, leafhoppers, mites and scales on ornamentals, trees, and shrubs in and around greenhouses, commercial nurseries, and other commercial and residential structures.

NeemGard should be used at the rate of 1-2 gallons per 100 gallons of water. The low rate (1%) can be used when pest pressure is low. The high rate (2%) should be used for high pest infestations or to control more troublesome pests, such as mites and scales. Determine the best rate for your particular situation.

Sprays should be made on a 7-14 day interval depending on the severity of the pest problem. The 7-day schedule should be used until the pest population is reduced. A 14-day interval should then be used for control. Sprays should be made in early to mid-morning or late afternoon. This is important to ensure that the spray thoroughly wets the pests to be controlled, which are often sedentary on the foliage at these times, and also minimizes plant stress.

MIXING INSTRUCTIONS:

Add NeemGard to one-half (1/2) full tank under agitation containing water of 55°F or greater before filling to desired level. If water temperature is below 55°F, premix NeemGard at 1:1 ratio with tepid water to ensure good emulsification. Then dilute to final volume. When combining with other products, such as wettable powder insecticides or fungicides, add these items first when the tank is approximately 1/3 full. Ensure that there is good agitation while mixing for complete emulsification. Maintain agitation during spray application. Do not use if this oil does not emulsify.

APPLICATION INSTRUCTIONS:

Apply to runoff at 25-40 psi with hand sprayer or 100-200 psi with power sprayer as a fine spray to both leaf surfaces.

Thorough coverage of plant pests is necessary to ensure efficacy. However, excessive application is unnecessary and should be avoided.

AGRICULTURAL USE DIRECTIONS

- Do not apply this product through any type of irrigation system.
- Use care when applying near streams, ponds, lakes, or other bodies of water. NeemGard should not be applied when weather conditions favor drift or when the likelihood of runoff is high.
- Thorough plant coverage is essential to obtain optimal levels of control.
- Consult local agricultural extension service or experiment station for detailed information on timing of applications for the most effective control in your area.
- NeemGard may be applied by conventional, low volume and aerial application equipment.

MIXING INSTRUCTIONS:

Add NeemGard to one-half (1/2) full tank under agitation containing water of 55°F or greater before filling to desired level. If water temperature is below 55°F, premix NeemGard at 1:1 ratio with tepid water to ensure good emulsification. Then dilute to final volume. When combining with other products, such as wettable powder insecticides or fungicides, add these items first when the tank is approximately 1/3 full. Ensure that there is good agitation while mixing for complete emulsification. Maintain agitation during spray application. Do not use if this oil does not emulsify.

DILUTION TABLE FOR HIGH VOLUME APPLICATION (30-250 gallons per acre)

Gallons of Water	Gallons of NeemGard for 0.5% Solution	Gallons of NeemGard for 1.0% Solution	Gallons of NeemGard for 1.5% Solution	Gallons of NeemGard for 2.0% Solution
30	0.15 (19 oz)	0.3 (38 oz)	0.45 (58 oz)	0.6 (77 oz)
50	0.25 (32 oz)	0.5 (64 oz)	0.75 (96 oz)	1.0
75	0.375 (48 oz)	0.75 (96 oz)	1.125	1.5
100	0.5	1.0	1.5	2.0
125	0.625 (80 oz)	1.25	1.875	2.5
150	0.75	1.5	2.25	3.0
175	0.875 (112 oz)	1.75	2.625	3.5
200	1.0	2.0	3.0	4.0
225	1.125	2.25	3.375	4.5
250	1.25	2.5	3.75	5.0

DILUTION TABLE FOR LOW VOLUME APPLICATIONS (5-30 gallons per acre)

Gallons of water	Gallons of NeemGard	Percentage Dilution
5	0.125-0.25	2.5-5.0
10	0.125-0.25	1.25-2.5
15	0.125-0.25	0.83-1.67
20	0.125-0.25	0.625-1.25
25	0.125-0.25	0.5-1.0

*For Citrus apply 0.5 Gallons of Neemoil 90%

- For Insects: For best results, apply NeemGard in sufficient amounts of water to achieve complete coverage. NeemGard is most effective when applied before insects, or eggs are present in large numbers. Repeat application every 7-21 days for best results. (See following tables for specific directions for different crop groupings). The addition of spay adjuvants can improve the coverage of your spray. If using to clean-up an infestation use the higher recommended rate. Otherwise use the lower recommended rate. Use the above dilution tables to calculate dilution rates.
- For Mites: For best results, apply NeemGard in sufficient amounts of water to achieve complete coverage. NeemGard is most effective when applied before mites or eggs are present in large numbers. Repeat applications ever 7-21 days for best results. (See the following tables for specific directions for different crop groupings). The addition of spray adjuvants can improve the coverage of your spray. If using to clean-up an infestation use the higher recommended rate. Otherwise use the lower recommended rate. Use the above dilution tables to calculate dilution rates.
- For Diseases: Apply NeemGard in sufficient amounts of water to achieve complete coverage of foliage. (See following table for specific directions for different crop groupings.) When used as a foliar fungicide, begin applications when conditions are favorable for disease but before infection. NeemGard may be applied every 7-14 days until threat of disease is over. Neem Oil 70% may be used in rotation with other fungicides to increase the spectrum of control. If using to clean-up an infection use the higher recommended rate. If NeemGard is being used to control insects and/or mites along with diseases, rates of up to 2%, or the highest rate allowed of NeemGard, may be used. In this case, follow application directions for insect and mite control.
- Avoid tank mixes with MORESTAN, VENDEX, CAPTAN, SULFUR, DACONIL or chemically similar products as unpredictable results or leaf burn may occur.

CITRUS, POME, STONE, AND TROPICAL FRUITS

INSECTICIDE USE:

Application: Apply at first sign of pests or pest damage. Apply in a solution of sufficient volume to achieve complete coverage of foliage. Repeat applications as needed for adequate control every 7-21 days. Specific directions are provided below.

Citrus—Apply NeemGard at a rate of 0.5-2.0% in 30-250 gallons of water for high volume applications or 0.5 gallons per acre for low volume applications on photosynthesizing plants. Do not apply more than 5 gallons of NeemGard per acre per application. To avoid possible blemishes on fruit, do not use on lemons within 60 days of harvest.

Pome, Stone & Tropical Fruits—Apply a 0.5-2.0% solution of NeemGard for high volume applications or 0.125-0.25 gallons per acre for low volume applications on photosynthesizing plants. As a dormant oil, use NeemGard as a 2% solution in 30-250 gallons of water. Do not apply more than 5 gallons of NeemGard per acre per application.

MITICIDE USE:

Application: Apply at first sign of pests or pest damage. Apply in a solution of sufficient volume to achieve complete coverage of foliage. Repeat applications as needed for adequate control every 7-21 days.

Citrus—Apply NeemGard at a rate of 1% in 30-250 gallons of water for high volume applications or 0.5 gallons per acre for low volume application on photosynthesizing plants. To avoid possible blemishes on fruit, do not use on lemons within 60 days of harvest.

Pome, Stone & Tropical Fruits—Apply a 0.5-2% solution of NeemGard for high volume application or 0.125-0.25 gallons per acre for low volume applications on photosynthesizing plants. As a dormant oil, Use NeemGard as a 2% solution in 30-250 gallons of water. Do not apply more than 5 gallons of NeemGard per acre per application.

FUNGICIDE USE:

Application: Apply NeemGard at a rate of 0.5-1.0% in 30-250 gallons of water for high volume applications or 0.5 Gallons per acre for low volume applications photosynthesizing plants. Do not apply more than 2.5 gallons of NeemGard per acre per application. For all other trees, apply a 0.5-1.0% solution of NeemGard in no less than 30 gallons of water per acre.

Citrus—For control of Alternaria apply NeemGard at 1% in 30-250 gallons of water. To avoid possible blemishes on fruit, do not use on lemons within 60 days of harvest.

CROPS Including but not limited to:			PESTS		DISEASES
Apples	Kumquats	Damson plums	Aphids	Mites	Anthraxnose
Apricots	Lemons	Japanese plums	Apple grain	Rust mites	Alternaria
Avocados	Limes	Pomegranates	aphids	Spider mites	Post-bloom fruit drop
Bananas	Loquats	Prunes	Black cherry	Psyllids	Mildews
Calamondin	Lychee	Pummelos	aphids	Scales	Downy mildew
Cherries	Mangoes	Quinces	Green apple	Calico scales	Powdery mildew
Barbados cherries	Mandarins	Tangelos	aphids	Frosted	Scabs
Sour cherries	Satsuma	Tangerines	Leafcurl	scales	Greasy spot
Sweet cherries	mandarins		aphids	Lecanium	
Cherimoya	Nectarines		Mealy plum	scales	
Citrus citron	Olives		aphids	San Jose	
Citrus hybrids	Oranges		Rosy apple	scales	
Coconuts	Papayas		aphids	Whiteflies	
Crabapples	Passion fruit		Woolly	Citrus	
Dates	Peaches		aphids	whiteflies	
Feijoa	Pears		Citrus	Silverleaf	
Figs	Oriental pears		blackflies	whiteflies	
Grapefruits	Pineapples		Fruit flies	Sweetpotato	
Guavas	Plantains		Leafminers	whiteflies	
Jujubes	Plums		Citrus	Snow Scale	
Kiwifruit	Chickasaw plums		leafminers		
			Mealybugs		

CUCURBITS

INSECTICIDE/MITICIDE Use:

Application: Apply NeemGard at a rate of 0.5-2.0% in 30-100 gallons of water per acre or 0.125-0.25 gallons per acre in low volume applications. Apply no more than 2 gallons of NeemGard per acre in solution per application. Apply at first sign of pests or pest damage. Apply in a solution of sufficient volume to achieve complete coverage of foliage. Repeat applications as needed for adequate control every 7-14 days.

Fungicide Use:

Application: Apply NeemGard at a rate of 0.5-1.0% in 30-100 gallons of water per acre or 0.125-0.25 gallons per acre for low volume applications. Repeat applications every 7-14 days. Apply no more than 1 gallon of NeemGard per acre in solution per application.

CROPS Including but not limited to:		PESTS	DISEASES
Balsam pears (bitter melons)	Melons (incl. hybrids)	Aphids	Mildews
Cantaloupes	Honeydew melons	Leafcurl	Downy mildew
Casaba	Muskmelons	aphids	Powdery mildew
Chinese waxgourds	Persian melons	Woolly aphids	
Citron melons	Pumpkins	Leafminers	
Crenshaw	Squashes	Mites	
Cucumbers	Watermelons (incl. hybrids)	Spider mites	
Gherkins	Zucchini	Scales	
Gourds		Calico scales	
Honey balls		Frosted scales	
		Lecanium scales	
		San Jose scales	
		Squash bugs	
		Whiteflies	
		Greenhouse whiteflies	
		Silverleaf	
		whiteflies	
		Sweetpotato	
		whiteflies	

BULB AND COLE VEGETABLES

INSECTICIDE/MITICIDE Use:

Application: Apply NeemGard at a rate of 0.5-2.0% in 30-100 gallons of water per acre or 0.125-.025 gallons per acre for low volume applications. Apply no more than 2 gallons of NeemGard per acre in solution per application. Apply at first sign of pests or pest damage. Apply in a solution of sufficient volume to achieve complete coverage of foliage. Repeat applications as needed for adequate control every 7-14 days.

Fungicide Use:

Application: Apply NeemGard at a rate of 0.5-1.0% in 30-100 gallons of water per acre or 0.125-0.25 gallons per acre for low volume applications. Repeat applications ever 7-14 days. Apply no more than 1 gallon of NeemGard per acre in solution per application.

CROPS Including but not limited to:			PESTS	DISEASES
Arrugula	Chicory	Leek	Aphids	Alternaria
Broccoli	Red chicory	Lettuce (head & leaf)	Woolly aphids	Botrytis
Broccoli raab	Cilantro	Low-bok	aphids	Mildews
Chinese broccoli (Gai lon)	Collards	Onions	Leafminers	Downy mildew
Brussels sprouts	Corn salad	Orach	Mites	Powdery mildew
Cabbage (head & leaf)	Cress	Parsley	Rust mites	Rusts
Chinese cabbage (Bok choy, Napa)	Watercress	Parslane	Spider mites	White rust
Chinese mustard cabbage (Gai choy)	Daikon	Raddichio	Whiteflies	Anthracnose
Cauliflower	Endive	Rappini		
Celery	Fennel	Rhubarb		
Celtuce	Garlic	Shallots		
Chervil	Greens	Spinach		
	Collard greens	Chinese spinach (Amaranth, Tampala)		
	Mustard greens	Swiss chard		
	Rape greens	Turnip tops		
	Kale			
	Kohlrabi			

7/10

LEGUME AND FRUITING VEGETABLES

INSECTICIDE/MITICIDE USE:

Application: Apply NeemGard at a rate of 0.5-2.0% in 30-100 gallons of water per acre or 0.125-0.25 gallons per acre for low volume applications. Apply no more than 2 gallons of NeemGard per acre in solution per application. Apply at first sign of pests or pest damage. Apply in a solution of sufficient volume to achieve complete coverage of foliage. Repeat applications as needed for adequate control every 7-14 days.

Fungicide Use:

Application: Apply NeemGard at a rate of 0.5-1.0% in 30-100 gallons of water per acre or 0.125-0.25 gallons per acre for low volume application. Apply every 7-21 days. Apply no more than 1 gallon of NeemGard per acre in solution per application.

CROPS Including but not limited to:			PESTS		DISEASES
Beans	Guar	Pigeon peas	Aphids	Scales	Blights
Broad beans	Lentils	Snow peas	Woolly aphids	Calico scales	Leaf blight
Calabaza	Peas	Soybeans	aphids	Frosted scales	Mildews
Chickpeas	Peanuts	Tomatillos	Beetles	scale	Powdery mildew
Eggplants	Pepinos	Tomatoes	Bean leaf beetles	Lecanium scales	Molds
Ground cherries	Peppers		Colorado potato beetles	San Jose scales	Gray mold
			Mexican bean beetles	Whiteflies	Leaf spots
			Leafminers	Greenhouse whiteflies	Rusts
			Mites	Silverleaf whiteflies	Alternaria
			Rust mites	Sweetpotato whiteflies	Anthracnose
			Spider mites		
			Psyllids		

ROOT AND TUBER VEGETABLES

INSECTICIDE/MITICIDE USE:

Application: Apply NeemGard at a rate of 0.5-2.0% in 30-100 gallons of water per acre or 0.125-0.25 gallons per acre for low volume applications. Apply no more than 2 gallons of NeemGard per acre in solution per application. Apply at first sign of pests or pest damage. Apply in a solution of sufficient volume to achieve complete coverage of foliage. Repeat applications as needed for adequate control every 7-14 days.

Potatoes—NeemGard may be applied every 7 days to seed potatoes and as needed for table and other potatoes. Use caution when mixing NeemGard with organophosphate insecticides. Test such tank mixes for phytotoxicity on a small number of plants first.

Fungicide Use:

Application: Apply NeemGard at a rate of 0.5-1.0% in 30-100 gallons of water per acre or 0.125-0.25 gallons per acre for low volume applications. Apply no more than 1 gallon of NeemGard per acre in solution per application.

Potatoes—NeemGard may be applied every 7 days to seed potatoes and as needed for table and other potatoes. Use caution when mixing NeemGard with organophosphate insecticides. Test such tank mixes for phytotoxicity on a small number of plants first.

CROPS Including but not limited to:			PESTS		DISEASES
Artichokes	Horseradish	Taro (Dasheen)	Aphids	Lecanium scales	Early Blight
Beets	Parsnips	Turmeric	Beetles	scale	Mildews
Cardone	Potatoes	Turnips	Colorado potato beetles	San Jose scales	Powdery mildew
Carrots	Sweet potatoes	Yams	Mites	Whiteflies	Rusts
Cassava	Radishes	Yam beans	Rust mites	Greenhouse whiteflies	Alternaria
Ginger	Rutabaga		Spider mites	Silverleaf whiteflies	Anthracnose
Ginseng			Psyllids	Sweetpotato whiteflies	
			Scales		
			Calico scales		
			Frosted scales		

8/10

SMALL FRUITS AND BERRIES

INSECTICIDE/MITICIDE USE:

Application: Apply NeemGard at a rate of 0.5-2.0% in 30-250 gallons of water per acre or 0.125-0.25 gallons per acre for low volume applications. Apply no more than 5 gallons of NeemGard per acre in solution per application. Apply at first sign of pests or pest damage. Apply in a solution of sufficient volume to achieve complete coverage of foliage. Repeat applications as needed for adequate control every 7-14 days.

Fungicide Use:

Application: Apply NeemGard at a rate of 0.5-1.0% in 30-250 gallons of water per acre or 0.125-0.25 gallons per acre for low volume applications.. Apply no more than 2.5 gallons of NeemGard per acre in solution per application.

CROPS Including but not limited to:			PESTS		DISEASES
Blackberries	Gooseberries	Strawberries	Aphids	Calico scales	Mildews
Blueberries	Grapes	Youngberries	Woolly aphids	Frosted scales	Downy mildew
Boysenberries	Huckleberries		Leafrollers	Lecanium	Powdery mildew
Cranberries	Loganberries		Mites	scales	Rots
Currants	Olallie berries		Rust mites	San Jose scales	Black rot
Dewberries	Raspberries (black & red)		Spider mites		Alternaria
Elderberries			Scales		Anthracoese

HERBS AND SPICES

INSECTICIDE/MITICIDE USE:

Application: Apply NeemGard at a rate of 0.5-2.0% in 30-100 gallons of water per acre or 0.125-0.25 gallons per acre for low volume applications. Apply no more than 2 gallons of NeemGard per acre in solution per application. Apply at first sign of pests or pest damage. Apply in a solution of sufficient volume to achieve complete coverage of foliage. Repeat applications as needed for adequate control every 7-14 days.

Fungicide Use:

Application: Apply NeemGard at a rate of 0.5-1.0% in 30-100 gallons of water per acre or 0.125-0.25 gallons per acre for low volume applications.. Apply no more than 1 gallon of NeemGard per acre in solution per application.

CROPS Including but not limited to:			PESTS		DISEASES
Anise	Cumin	Peppermint	Aphids	Frosted scales	Mildews
Balm	Curry leaf	Rosemary	Woolly aphids	Lecanium	Powdery mildew
Basil	Dandelion	Rue	Mites	scales	Leaf spot
Borage	Dill	Sage	Rust mites	San Jose scales	Alternaria
Chamomile	Fennel	Savory	Spider mites	scales	Anthracoese
Caraway	Marigold	Spearmint	Scales		
Catnip	Marjoram	Sweet bay	Calico scales		
Celery	Mint	Tarragon			
Chives	Nasturtium	Thyme			
Coriander	Pennyroyal	Wintergreen			

NUTS

INSECTICIDE/MITICIDE USE:

Application: Apply NeemGard at a rate of 0.5-2.0% in 30-250 gallons of water per acre or 0.125-0.25 gallons per acre for low volume applications. Apply no more than 2 gallons of NeemGard per acre in solution. Apply at first sign of pests or pest damage. Apply in a solution of sufficient volume to achieve complete coverage of foliage. Repeat applications as needed for adequate control every 7-14 days. As a dormant oil, use NeemGard as a 2% solution in 30-250 gallons of water. Do not apply more than 5 gallons of NeemGard per acre per application.

Walnuts—Avoid spraying after husk split.

Fungicide Use:

Application: Apply NeemGard at a rate of 0.5-1.0% in 30-250 gallons of water per acre or 0.125-0.25 gallons per acre for low volume applications. Apply no more than 2.5 gallons of NeemGard per acre in solution per application.

Walnuts—Avoid spraying after husk split.

CROPS Including but not limited to:			PESTS		DISEASES
Almonds	Chinquapins	Pecans	Aphids	Calico scales	Leaf spot
Beach nuts	Filberts	Pistachios	Woolly aphids	Frosted scales	Alternaria
Brazil nuts	Hickory nuts	Walnuts	Leafrollers	Lecanium	Anthracoese
Butternuts	Japanese horsechestnuts		Fruit tree leafrollers	scales	
Cashews	Macadamia nuts		Mites	San Jose scales	
Chestnuts			Rust mites	scales	
			Spider mites	Weeviis	
			Scales	Chestnut weeviis	

CEREAL GRAINS AND OTHER MISCELLANEOUS CROPS

INSECTICIDE/MITICIDE USE:

Application: Apply NeemGard at a rate of 0.5-2.0% in 30-150 gallons of water per acre or 0.125-0.25 gallons per acre for low volume applications. Apply no more than 3 gallons of NeemGard per acre in solution per application. Apply at first sign of pests or pest damage. Apply in a solution of sufficient volume to achieve complete coverage of foliage. Larger plants will require higher amounts of water to obtain good coverage. Repeat applications as needed for adequate control every 7-14 days.

Fungicide Use:

Application: Apply NeemGard at a rate of 0.5-1.0% in 30-150 gallons of water per acre or 0.125-0.25 gallons per acre for low volume applications. Apply no more than 1.5 gallons of NeemGard per acre in solution per application. Apply in a solution of sufficient volume to achieve complete coverage of foliage. Larger plants will require higher amounts of water to obtain good coverage.

CROPS Including but not limited to:			PESTS		DISEASES
Acerola	Sweet corn	Safflower	Beetles	Greenhouse	Rusts
Alfalfa	Cotton	Seagrapes	Asparagus	whiteflies	Mildew
Arracaga (Apio)	Hops	Sesame	beetles	Silverleaf	
Asparagus	Jicama	Sorghum	Lygus bugs	whiteflies	
Barley	Jojoba	Soursup	Thrips	Sweetpotato	
Breadfruit	Kinop	(Quanabanos)	Whiteflies	whiteflies	
Buckwheat	Mushrooms	Sugarcane			
Canola	Oats	Star apples			
Coffee	Okra	Sunflowers			
Coriander	Quenepa	Tobacco			
Com	Nispero	Wheat			
Popcorn	Rice				

Warranty

Thermo Trilogy Corporation warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the insect problem, condition of the crop, incompatibility with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

CONSUMER USE DIRECTIONS**General Information:**

- Prevents and controls black spot on roses, anthracnose, rust, and powdery mildew.
- Broad Spectrum Disease Control

Keep unprotected persons out of treated areas until sprays have dried.

FUNGICIDE USE

For use on ornamentals, trees, shrubs, houseplants, fruits and vegetables.

APPLICATION INSTRUCTIONS:

NeemGard is an effective fungicide for the prevention and control of various fungal diseases including black spot on roses, powdery mildew, downy mildew, anthracnose, rust, leaf spot, botrytis, needle rust, scab, and flower, twig, and tip blight.

As a preventative, NeemGard should be applied on a 7 to 14 day schedule until the potential for disease development is no longer present.

To control disease already present, apply NeemGard on a 7 day schedule until disease pressure is eliminated. Then continue spraying on a 14-day schedule to prevent the disease from reoccurring.

To prevent rust, leaf spot diseases, anthracnose, and scab, begin applications at the first sign of spring budding.

To prevent powdery mildew, apply in mid-summer or when disease is first detected. Applications should continue until disease pressure no longer exists.

BLACK SPOT ON ROSES:

Applications should begin at first bud emergence in spring. Apply NeemGard on a 14-day preventative schedule through the spring and fall to prevent disease emergence.

MIXING INSTRUCTIONS:

Mix NeemGard at the rate of 2 tablespoons (1 oz.) per gallon of water to make a 0.8% spray solution. Thoroughly mix solution and spray all plant surfaces (including undersides of leaves) until completely wet. Frequently mix solution as you spray.

INSECTICIDE USE

For use on ornamentals, trees, shrubs, houseplants, fruits, and vegetables.

APPLICATION INSTRUCTIONS:

Apply NeemGard at the first sign of insects/mites. NeemGard is most effective in controlling insects/mites when applied on a 7-14 day schedule. For heavy insect populations, apply on a 7-day schedule.

MIXING INSTRUCTIONS:

Mix NeemGard at the rate of 2 tablespoons (1 oz.) per gallon of water to make a 0.8% spray solution. Thoroughly mix solution and spray all plant surfaces (including undersides of leaves) until completely wet. Frequently mix solution as you spray.

STORAGE AND DISPOSAL

Pesticide Storage: Keep in original container. Store away from direct sunlight, feed or foodstuffs. Keep container tightly sealed when not in use.

Container Disposal: Do not reuse empty container. Securely wrap original container in several layers of newspaper and discard in trash. Rinse thoroughly before discarding in trash.

net contents 8oz.