



Naturally Effective Pest Control Safe for Families and Pets

Neutralizes Fleas • Ticks • Mites • Bedbugs • Moths • Mosquitoes

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Lawn, Kennel and Animal Insect Control Spray Concentrate A Nature's Defender Cedar Oil Formula



32 ounce Gallon

Preliminary Product Notes:

- This product is not a replacement for Dr. Ben's Paws and Claws
- Do not use on or around pet reptiles, pet rabbits, pet mice, pet rats, pet ferrets, guinea pigs, or exotic pet birds
- *Attention Cat Owners: We recommend testing small areas of cedar oil application whenever cats are present. Check for signs of objection to the presence of cedar oil. Cats often groom themselves and in the process can ingest the formula by licking excessively. Occasionally cat owners may observe their pet develop an upset stomach in this process and they may regurgitate a white foamy substance. If this occurs rinse the formula from applied areas and discontinue use.*

Nature's Defender has created a Cedar Oil formula designed especially for use in the animal health industry. This product excels at helping to control burrowing and parasitic insects such as fleas, ticks, mites, ear mites, mange mites and burrowing mange mites. The solution can be prepared using various dilution ratios to maximize the natural properties of cedar oil to assist animals with healing. The solution will hasten the natural healing process for animals with ailments such as deep root ear canal infections and many pest related skin issues common to pets, poultry, dairy, equine, goats, sheep, llamas and other domestic or exotic mammals.

Bio-solvent cleaning and neutralizing properties of cedar oil helps remove environmental threats due to bacteria and mildew. Insect infested areas like Kennels, barns, stalls, dairy barns, dog runs and other animal populated areas will benefit from regular use of Nature's Defender. It is ideal for use on wood bedding of livestock and other animals. Simply spray down pine and other wood shavings with this formula for its insect repelling qualities, bacterial neutralizing capabilities and the aroma of cedar oil. Treated areas are left with scent of cedar trees that are common to the Texas hill country. Nature's Defender is safe to use with both newborns and the nursing mother.

Product Features:

- Safe for use with dogs, cats, horses, exotic livestock, cattle, swine, sheep, goats, poultry and other livestock.
- Natural remedy to replace use of products containing pyrethums, pyrethrins, pyrethroids, and other synthetic or toxic chemicals found in many bathing, dipping or spray solutions.
- One quart makes 8 gallons of ready-to-use solution at a typical ratio of 4 ounces concentrate per 1 gallon of water (Treats up to 8,000 sq. Ft. Surface area - see other ratios below)
- One gallon makes 32 gallons of ready-to-use solution at a typical ratio of 4 ounces concentrate per gallon of water. (Treats up to 32,000 sq. ft. surface area - see other ratios below)

Common Dilution Ratios and Application Recommendations:

Compression type hand held sprayers, back pack sprayers, fogger machines and household trigger sprayers:

- Mix 1 ounce concentrate per one quart water.
- Mix 4 ounces concentrate per gallon of water.
- Each gallon of ready to spray mix will treat approximately from 1,000 to 1,200 square feet

Garden type hose end sprayers:

- Pour 4, 6, or 8 ounces of concentrate into cup of sprayer. (Depending on needs, conditions and personal preference)
- Fill cup with water, replace top. Shake well to mix.
- Hook up to household garden hose and spray areas you wish to treat.

High pressure spray equipment:

- Mix 1 Quart concentrate per 300 gallons water.

For animal bathing and pet grooming:

- Mix 2 Ounces concentrate per gallon of water.

Animal Soak Tank or Livestock Dipping Stations:

- Mix 1 Gallon concentrate per 400 gallons of water.

Alternate Animal Soak Tank/Livestock Dipping Station Ratio: (double strength for existing problem treatments)

- Mix 1 Quart concentrate per 50 gallons water for double strength dilution
- Or mix 1 Gallon concentrate per 200 gallons water for double strength dilution.

The aforementioned dilution ratios are commonly used amounts. When enhanced performance is desired the concentration can be increased at multiples of 2 until satisfactory results are obtained. Insect response, animal species influence and geographical environments vary. Final application results will determine the preferred formula for your particular treatment objectives.

Below are some special case recommendations using Nature's Defender Concentrate to help hasten the healing process for known animal skin issues:

For treatment of existing mange, mange mite or other burrowing mite related animal skin issues:

Treat infested area with full strength concentrate using brush or sponge to apply. Apply daily keeping the infested area damp until normal skin and full hair growth is observed. DO NOT RINSE TREATED AREA.

For treatment of existing lice and other external parasitic pest related animal skin issues:

Dilute concentrate to a paste like consistency using a ratio of 50% concentrate and 50% water by volume. Mix liberally, apply the white paste to the infested area using a brush. Repeat on a daily basis until all lice and nits are dissolved. DO NOT RINSE TREATED AREA.

Nature's Defender concentrate for insect control use on Lawns and other domestic yard area applications:

Nature's Defender can also be used on lawns and around patios, shrubberies, or even in flower and vegetable gardens. Neutralizes adult insects such as Ants, Mosquito's, Flies, Moths, Grubs, Army Worms, Mole Crickets, Fleas, Ticks, Chiggers, Grasshoppers, White Fly, Mediterranean Fruit Fly, Mites, Citrus Rust Mite, Nematodes, Aphids, Scale, Stink Bugs, Bag Worms, Eastern Tent Caterpillar and numerous other flying, crawling and subterranean pests including termites of all species. Repels mice, rats, heat seeking venomous snakes and numerous insects from all areas treated.

Bio solvent influences of cedar oil will dissolve insect eggs and larvae by eroding the exoskeleton and cuticle, thus promoting rapid dehydration. Egg-layer cycles are further interrupted by pheromone interference with the insect's octopamine neuro receptors. The next generation of arthropod is virtually eliminated. Use caution while treating plant life areas. Apply during morning or evening hours. Phytotoxic burn to plant life is possible when applied during temperatures over 90 degrees Fahrenheit. Since cedar oil is also a natural and organic bactericide and fungicide it will effectively control Powdery Mildew and other related fungal organisms such as Brown Patch, Take All Patch, Dollar Spot and other Turf Yellowing diseases. As a larvacide, it will destroy both eggs and larvae in standing water and other areas.

General Usage Guidelines for Yard Applications:

- The first application is the most important. The objective is to make sure a liberal soak is accomplished to all areas including the shrubbery, tree's, grass and concrete areas including any standing water. Do not spray on azaleas or rhododendrons.
- When applying Nature's Defender to landscapes it should be done in the morning or early evening times.
- Applications should be avoided in the middle of the day to avoid possible heat related phytotoxic burn to plant life.
- Nature's Defender can be applied as a drench, foliar spray.
- Dilution and application rates will vary depending on the apparatus used to deliver the product.
- During a heavy insect season you can apply as often as needed.
- To keep insect's moving away from structures, we suggest you start with washing down the side of structures you intend to protect from insects and working outwardly from the structure.

General dilution ratios for treatment by applicator type for yard applications

20 gallon garden type hose end sprayer:

Pour 6 or 8 ounces of concentrate (per strength preference) into cup of hose end sprayer. Fill remainder of cup to fill line with water. Screw on hose end top to close cup, shake to mix, hook up to a garden hose and spray. This will give you approximately 20 gallons of ready-to-spray insect protection product.

Trigger type, Back Pack & Pump up sprayers:

Mix 3% or 4 ounces of concentrate to one gallon water. One quart Nature's Defender concentrate makes 8 gallons of spray ready product. Each gallon of ready spray treats approximately 1,000 to 1,200 sq. ft.

Misting Systems:

Mix 32 ounces of Nature's Defender concentrate to 55 gallons of water in drum

Water Injection Systems:

2 to 3 ounces concentrate per 1,000 sq ft per zone per month

Non thermal fogging:

3% or 4 ounces of concentrate to one gallon water

Grub worm treatments:

Using 8 ounces Natures Defender to one gallon of water, you need to saturate the infested area to penetrate deep into the soil. Best time to spray is right before a good rainfall, regular watering agenda or spray additional water right on top of treatment for deep penetration.

Nature's Defender Lawn, Kennel and Animal Concentrate Product Notifications

- Nature's Defender is a highly concentrated cedar oil formula (see schedule for dilution ratios).
- Do not take internally. KEEP OUT OF REACH OF CHILDREN.
- After use, wash hands with soap and water.
- May cause phytotoxic burn to plant life if applied in temperatures above 90 degrees Fahrenheit.
- When applying any product, one should use proper eye and glove protection.
- Do Not Use on or Spray Around Pet Reptiles, Rabbits, Pet Mice, Pet Rats, Ferrets, Guinea Pigs, or Exotic Pet Birds.
- Avoid Contact With Eyes. *In case of eye contact, flush with water for at least 15 minutes.*

Minimum risk pesticide registration exempt per FIFRA section 25(b) 40CFR 152.25b

Active Ingredient: Cedar Oil 90% 40CFR 152.25 CAS # 68990-83-0

Inert Ingredient: Ethyl lactate/Lactic Acid 10% 4A 40 CFR 180.950 CAS #97-64-3

Try These Great Cedar Oil Insect Control Products:



Dr Ben's Evictor and Fogger Machine Indoor Infestation Kit



Dr. Ben's Paws and Claws 16 or 32 oz. Flea, Tick and Mite Spray



Dr. Ben's Evictor Indoor Ready-To-Use Insect Spray One Gallon



Fogger Machine



Compression Sprayer



Hose End Sprayer



Nature's Defender Garden and Agricultural Concentrate 32 ounce



Nature's Defender Garden and Agricultural Concentrate One Gallon



Dr. Ben's Personal Insect Repellent 16 oz. spray



Dr. Ben's Scorpion Control 16 oz. spray

