

Nature's Defender PCO Choice Cedar Oil Concentrate



Nature's Defender PCO Choice Concentrate 32 oz.

PCO Choice is a cedar oil formula created as an alternative to Traditionally used pyrethrins, pyrethrum, pyrethroids, organophosphates, and carbamates. With *PCO Choice* the applicator can choose from one concentrate a suggested mixture for control of various arthropods. Stronger mixtures will enhance results without damaging side effects. *PCO Choice* can be dispensed using pump-up sprayers, non-thermal fogger applicators or pressure sprayers. This product can be used for both inside and outside applications without danger to humans, pets, wildlife, livestock or fish. The cedar oil formula will not stain or leave damaging residue on furniture or carpet. Apply at your own risk. No human or domestic pet evacuation needed.



Nature's Defender PCO Choice Concentrate - One Gallon.

Natures Defender PCO Choice - Concentrated Formula for Indoor and Outdoor Use

Natures Defender PCO Choice is a chemical free solution specially created for *Pre or Post* treatment of insect infestations. It is formulated at the highest Cedar Oil concentration levels possible for use by exterminators and professional PCO's (pest control operators). It is designed for immediate insect control results of indoor and outdoor treatments for Residential, Commercial, Industrial, Governmental, Equine and Dairy entities. It is effective for control of Mosquito, Flea, Fly, Chigger, No-See-Um, Mite, Bed Bug, Japanese Beetle, Scorpion, Carpet Beetle, Ant, Mole Cricket, Snake and numerous other non-beneficial insects. *Natures Defender PCO CHOICE* is also effective in control of *GRUBS* when applied on turf areas with grub infestations that often result in damage to the sod. It can also be used in misting and irrigation systems. The product is considered Safe to Children and Pets and has no effect on beneficial insects such as *Lady Bugs, Butterflies and amphibians such as Frogs and Toads*. It is classified as a minimum risk pesticide by the EPA. **NO APPLICATORS LICENSE IS REQUIRED.** We recommend that normal safety precautions should be taken when using this product.

PCO Choice has been created as an alternative to traditionally used pyrethrins, pyrethrum, pyrethroids and carbamates. With *PCO Choice* the pest control operator can choose a suggested mixture for control of various arthropods. Stronger mixtures will enhance results without damaging side effects. *PCO Choice* can be dispensed using pump-up compression sprayers, non-thermal fogger applicators, or hose-end pressure sprayers. *PCO Choice* can be used for indoor applications without stain or damaging residue to furniture or carpet. Even so apply cedar oil at your own risk to your belongings. We recommend application to a small, obscure area to make sure the product will not have an unusual reaction with your carpet, furnishings, etc. Although this product will not harm humans or most pets, we recommend clearing indoor areas of people and pets since the concentrated odor of Cedar Oil could be overwhelming and uncomfortable during the application process.

Outdoor Treatment Recommendations:

The first application is the most important and the objective is to make sure a liberal soak is accomplished to all areas including but not limited to the flower beds, shrubbery, grass and concrete areas and any standing water. Pour 4 ounces *PCO concentrate* into the cup of a hose end applicator (included with our Indoor/Outdoor Starter Kit). Fill the applicator cup to the 26 ounce line with tap water. Attach the applicator to the water hose, turn the lever to on and initiate spraying. Each cup of solution will dilute to 20 gallons of water spray. When the applicator cup is empty, repeat as often as necessary to complete the initial soaking. This treatment is very inexpensive and will resolve many other insect issues such as aphids and scale on plants, powdery mildew and all of the normal lawn fungal problems grassy areas experience.

PCO Choice loves water so periodic rains will enhance it's performance. Follow up applications should be conducted as required, depending on the local insect population in your area. If you follow this protocol, you can say goodbye to the fleas and any other pests you may have. Remember, an insect generally never travels more than 150 feet from where it was hatched. Treatment of personally significant space to a minimum 150 foot distance will create an *off limits* pest free comfort zone for your enjoyment.

Indoor Treatment Recommendations:

For General Use, please dilute using 4 ounces PCO Choice to 1 Gallon of Water.

Using a hand held Atomizer: *(included with our Indoor Starter Kit and/or our Indoor/Outdoor Starter Kit)*

Preferably air compression in design, pour the *PREVIOUSLY DILUTED PCO Choice* solution into container of sprayer and replace top. Spray a mist of the diluted solution on the horizontal and vertical surface of the linen stripped mattress, box spring and headboard of the beds. Using the same procedure spray the furniture in the room with the same type mist. Direct contact of the mist with unwanted insects will result in death to insects as cedar oil is considered a *contact killer*. Bed bugs and other pests will either leave the area or die. Roll back any seams or material tucks of the mattress or box spring and liberally treat those areas with additional spray. Remove the cushions from any furniture and treat the bottom sides and the cushions wells. Chairs with cloth cushions should be treated on the bottom side as well as the top.

Dispersing a fine mist of solution spray all horizontal floor surfaces *including but not limited to carpet, tile and wood floor areas*. Spray the mop boards first and any drapes and curtains to at least 24 inches from the floor. Work backward from the farthest point of the room making sure a liberal amount of the solution is being applied to all areas. It is imperative that no area be left untreated. Spray the legs of all furniture and any lamp posts or other vertical supports. Treat any and all cupboard or vanity areas with a light spray.

Using a non-thermal fogger machine: *(included with our Infestation Kit)*

For General Use, please dilute using 4 ounces PCO Choice to 1 Gallon of Water.

1 gallon of properly diluted PCO Choice will treat approximately 1,000 sq. Ft..

Using *PREVIOUSLY DILUTED PCO Choice* load desired quantity of solution into fogger. It is suggested that an adjustable VMD (volumetric mean diameter) Tri-Jet type Fogger be used to facilitate both dry and wet fog applications.

Prior to fogging it is suggested that the seams and tucks of the mattress and any other cloth material be rolled back and treated with a mist or spray. The mattress should be removed from the bed so that both sides and total coverage of the surface can be treated. Using a dry to medium wet fog, discharge the fog directly on the mattress, box spring and headboard. Repeat the same application to all cloth covered furniture insuring that at minimum, a slight dampness of solution is detectable. Working backward from the far end of the room, aiming the fogger at the floor areas, disperse a wet fog over all carpet, tile and wood flooring areas. Be sure to direct the fog under furniture and into corners and at least twenty four inches up from the floor area of any drapes in the room. Disperse a fog directly into any cupboards, drawers or closets. Approximately 1 quart of solution per room is suggested to insure a 100% elimination and prevention of immediate re-infestation of insects.

Before leaving the treated areas, start the air conditioner unit or air circulatory and allow it to circulate the air in the room. This will eliminate any dust mites in the AC system. Cleaning the filter is suggested as it will promote a fresh odor throughout the cooling/heating system.

It is suggested that the structure be closed and the fog allowed to settle for approximately 3 hours. At that time re-entry can be made and a cleaning in the normal manner can be accomplished.

The aroma of Cedar Oil will leave a fresh smell that is pleasing to the inhabitants. Any overwhelming aroma will dissipate in a matter of 6 hours. Rooms can be aired out if desired but it is suggested windows be kept closed for at least one hour after treatment to enable a pheromone interruption event to take place on the insects being targeted.

Nature's Defender PCO Choice Concentrate Product Notifications:

- PCO Choice is a highly concentrated cedar oil formula (see schedule for dilution ratios).
- Do not take internally.
- 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.

Nature's Defender PCO Choice Concentrate Product Notifications: (continued)

Avoid Pest Control Operator Contact With Eyes.

- ***In case of eye contact, flush with water for at least 15 minutes.***

KEEP OUT OF REACH OF CHILDREN.

Minimum risk pesticide exempt under FIFRA section 25B. Registration exempt 40CFR 152.25B.

Active Ingredient: Cedar Oil 85% 40CFR 152.25 CAS # 68990-83-D

Inert Ingredient: Ethyl lactate/Lactic Acid 15% 4A 4D CFR 180.950 CAS #97-64-3

PCO Choice Dilution Chart

% of PCO Concentrate to Water

Insect Control	Tank Sprayer	Pump Sprayer	Non-Thermal Fogger
Mosquitos	1.3%	1.3%	5.5%
Flies	1.3%	1.3%	2.5%
Cinch Bugs	2.6%	5.5%	
Fleas	2.6%	5.5%	5.5%
Gnats	1.3%	1.3%	5.5%
Moths	2.5%	5.5%	5.5%
No-See-Ums	1.3%	1.3%	5.5%
Ticks	6.6%	6.6%	
Silver Fish		1.3%	5.5%
Carpet Beetles		5.5%	5.5%
Earwigs	7.3%	5.5%	5.5%
Mites	5.5%	5.5%	5.5%
Crickets	8.3%	8.3%	8.3%
Spiders	2.5%	5.5%	5.5%
Fire Brats	3.1%	3.1%	3.1%
Palmetto Bugs	8.3%	5.5%	5.5%
Fungus Gnats	3.1%	5.5%	5.5%
Fruit Flies		5.5%	5.5%
Fire Ants	1.3%	6%	
Chiggers	1.3%	1.3%	1.3%
Cereal Beetles		11%	11%
Grasshoppers	8.3%	8.3%	8.3%

Re-Order From:

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Also Try These Great Cedar Oil Products:



Dr. Ben's Evictor and Fogger Machine Infestation Kit



Dr. Ben's Paws and Claws 16 or 32 oz. Spray



Dr. Ben's Evictor Ready-to-Use One Gallon Size



Fogger Machine



Compression Sprayer



Hose End Sprayer