Nature-Cide®

# PEST MANAGEMENT X2

## COMMERCIAL CONCENTRATE

**Kills and repels listed outdoor and indoor pests.**

| ACTIVE INGREDIENTS: | |
|---|---|
| Cedarwood Oil | 50.6% |
| Cinnamon Oil | 25.4% |
| OTHER INGREDIENTS* | 24.0% |
| TOTAL | 100.0% |

* Lecithins, Soap and Water

**SAFE FOR EVERYDAY USE**

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET CONTENTS : 64 fl oz (1.89 L)

Nature-Cide®

# PEST MANAGEMENT X2

## COMMERCIAL CONCENTRATE

Nature-Cide Pest Management Commercial Concentrate is an insecticide/miticide/nematicide & repellent. Nature-Cide Pest Management Commercial Concentrate has been formulated to manage a variety of listed pests and deter them from returning to dwellings, gardens, commercial sites and any place where infestations might occur. Unlike other insecticide/miticide/nematicide and repellent products, Nature-Cide Pest Management Commercial Concentrate can be used daily without any harm to most washable surfaces. Always test product on an inconspicuous area prior to large area application. Nature-Cide Pest Management Commercial Concentrate is an effective insect killer and is proven to kill by contact: Ants, Bed Bugs, Caterpillars, Cockroaches, Earwigs, Fleas, Flies, Hornets, Mites, Mosquitoes, Moths, Silverfish, Spiders, Stink Bugs, Ticks, and Wasps.

**PLEASE NOTE:** When mixing, always inject water into concentrate for best water/concentrate bonding (Never pour concentrate into water, as concentrate and water will not bond correctly).

**DIRECTIONS FOR USE:** Read entire label prior to use and use as directed. Shake well before each use. Spray surfaces to be treated from a distance of 8-12 inches, directly spraying listed pests whenever possible. Spray surfaces until wet, even to the point of runoff in heavy infestations.

**RECOMMENDED USE:** Using safety glasses and protective gloves is required when handling any solutions that are sprayed. We recommend mixing in a 1 to 2-gallon pressure pump sprayer. Mix 1 to 7 fl. oz. of Nature-Cide Pest Management Commercial Concentrate per gallon of water for outdoor use depending on target pest. Mix 1 to 2 fl. oz. or as desired of Nature-Cide Pest Management Commercial Concentrate per gallon of water for indoor use. For rodent and reptile repellent use 7 fl. oz. of Nature-Cide Pest Management Commercial Concentrate per gallon of water. Always shake containers well before pouring, mixing and spraying.

**OUTDOOR USE:** Using your pressure pump sprayer, spray generously around all dwelling bases, around roof eaves, in and around all outdoor areas including barns, patios, picnic tables, lawns and non-edible gardens, shrubs and trees. To repel reptiles and/or rodents, spray liberally around dwelling or area where pests frequent. Most insects will die on contact but use caution when applying Nature-Cide Pest Management Commercial Concentrate in pest-infested areas, as pests will immediately migrate out of treated areas.

For Commercial Motorized Sprayers to cover larger areas including lawns, play areas and more, mix as follows: mix 1 to 2 fl. oz. (as desired and/or depending on target pest) of Nature-Cide Pest Management Commercial Concentrate per gallon of water into reservoir/tank. Set gun wand sprayer head to the widest setting for best results. For best coverage, fog-spray areas where pests might be harboring. This is great for fleas, ticks and no-see-ums in lawns or areas that are frequented by pets, farm animals or livestock.

**INDOOR USE:** Using your pressure pump sprayer, spray generously onto all hard surfaces and surrounding areas like door jambs, window frames, baseboards and hard to reach corners. Once area is covered, mop up excess product and let dry. For carpeted areas, treat in the same manner, however, test product on an inconspicuous area prior to large area application.

Nature-Cide Pest Management Commercial Concentrate was developed to use regularly, daily if needed, to get pests under control. After management of your property on a regular basis, you will find that Nature-Cide Pest Management Commercial Concentrate will need to be used less frequently to maintain a pest free environment.

**PRECAUTIONARY STATEMENTS:**
**Prevention:** Direct eye contact may cause substantial but temporary irritation. May cause skin irritation.
**Response: If in Eyes:** Immediately rinse with water for 10-15 minutes. **If on Skin:** Wash with soap and water. In both cases, if irritation persists, get medical attention or call **1-800-222-1222** for emergency medical treatment information.
**Storage and Disposal:** Keep away from children. Store in original, closed container. Do not reuse or refill empty container. Offer container for recycling, if available, otherwise dispose in trash.

This product has not been registered by the United States Environmental Protection Agency. Pacific Shore Holdings, Inc. represents that this product qualifies for exemption from registration under FIFRA Section 25(b).

**Nature-Cide Pest Management Commercial Concentrate is a Pacific Shore Holdings, Inc. product.**
**Distributed By:** Pacific Shore Holdings, Inc. 8236 Remmet Ave. Canoga Park, CA 91304
**Customer Service:** customerservice@nature-cide.com or 877-248-0488; nature-cide.com

MADE IN U.S.A.

# Safety Data Sheet

Nature-Cide®

According to OSHA HCS (29 CFR § 1910.1200(g)) as Published in the Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012

## 1 IDENTIFICATION

**Product Identifier:**

Product Name: Nature-Cide® Pest Management X2 Commercial Concentrate
Product Code: None
Synonyms: N/A: Product is a proprietary herbal water-based soap mixture

**Manufacturer Information:**

Pacific Shore Holdings, Inc.
8236 Remmet Avenue
Canoga Park, CA 91304

Toll Free: 1-877-248-0488
Phone: 1-818-998-0996
Fax: 1-818-885-9874
Email: info@pac-sh.com
Website: www.nature-cide.com

**Emergency Phone Numbers:** National Poison Control: 1-800-222-1222

**Recommended Use:** This product is a water based insecticide spray concentrate.
**Use Restrictions:** Do not use in/on/around electrical equipment due to the possibility of shock hazard.

## 2 HAZARDS IDENTIFICATION

**Hazard Classification:** This mixture is not classified; all hazards are not otherwise classified ("HNOC")
**Signal Word:** None required
**Hazard Statements:** None required
**Pictograms:** None required
**Precautionary Statements:** None required
**Hazards Not Otherwise Classified:** Direct contact with eye may cause irritation. Direct contact with skin may cause irritation or allergic reaction in sensitive individuals. Prolonged exposure to concentrate may cause respiratory irritation.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

**Active Ingredients:** 50.6% Cedarwood Oil (CAS No. 8000-27-9) and 25.4% Cinnamon Oil (CAS No. 8015-91-6)
**Inert Ingredients:** 24% Proprietary mixture of Water (CAS No. 7732-18-5), Lecithins (CAS No. 8002-43-5) and Soap (CAS No. N/A) Exact percentages of Inert Ingredients are withheld as a trade secret.

## 4 FIRST-AID MEASURES

**Inhalation:** If symptoms occur, discontinue use and seek fresh air. Do not return to area until thoroughly ventilated.
**Eye Contact:** Immediately flush eyes with a gentle stream of water for 10-15 minutes. Remove contact lenses, if present, then continue rinsing.
**Skin Contact:** Immediately wash skin with plenty of soap and water.
**Ingestion:** Do not induce vomiting unless directed to do so by a physician or poison control center. Treat symptomatically.
In all cases, contact a physician or poison control center if irritation or symptoms persist. This product is not expected to cause delayed or acute effects.

## 5 FIRE-FIGHTING MEASURES

Use extinguishing media suitable for fire and surroundings such as $CO_2$, water or foam. Wear proper protective equipment including respiratory protection.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Remove ignition sources and thoroughly ventilate accidental release area.

**Protective Equipment:** Wear protective equipment, as appropriate, such as eye protection (safety glasses, face shield), rubber gloves, long-sleeved shirt, long pants, socks and shoes/boots. In cases of inadequate ventilation, a self-contained breathing apparatus may be used.

**Emergency Procedures:** First responders and cleanup crew must wear appropriate protective gear/clothing. Secure the accidental release area and call for trained, professional assistance as warranted.

**Containment Procedures:** Immediately contain spills with dikes or absorbents to prevent migration and entry into sewers or bodies of water.

**Cleanup Procedures:** Large Spills: Use absorbent to soak up material. Transfer absorbent to suitable containers for disposal. Clean spill area with water and absorbent; transfer to suitable containers for disposal. Dispose of absorbent according to applicable local, state and/or Federal regulations.
Small Spills: Soak up spilled material with towels (paper and/or fabric); dispose of towels in garbage. Rinse spill area with water and dry with towels (paper and/or fabric); dispose of towels in garbage.

## 7 HANDLING AND STORAGE

**Precautions for Safe Handling:** Handle in accordance with good industrial hygiene and safety procedures. Keep container lids closed when not in use. After exposure, wash hands with soap and water before eating, drinking, smoking, using tobacco or using the toilet.

**Storage Recommendations:** Store in a cool, dry area away from food/feed. Do not store in direct sunlight or extremely high/low temperatures. Store in original, closed container. Keep away from children.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

There are no available OSHA Permissible Exposure Limits ("PELs"), American Conference of Governmental Industrial Hygienists ("ACGIH") Threshold Limit Values ("TLVs") or any other exposure limits used or recommended for this mixture.

**Appropriate Engineering Controls:** Use local exhaust ventilation when handling this product in small, enclosed spaces. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Personal Protection:** Safety glasses may be advised to prevent direct eye contact. If repeated skin contact is possible, wearing rubber gloves is recommended. Respiratory protection is not normally necessary except when conditions may cause excessive inhalation of vapors/spray in small, enclosed areas; wear a NIOSH-approved organic vapor mask in such cases.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Auto-ignition temperature: | N/A |
| Color: | Clear |
| Decomposition temperature: | N/D |
| Evaporation rate: | N/D |
| Flammability (solid,gas): | N/A |
| Flash point: | N/A |
| Freezing point: | N/D |
| Initial boiling point and range: | N/D |
| Melting point: | N/A |
| Odor: | Mild herbal aroma |

| | |
|---|---|
| Partition coefficient: n-octanol/water: | N/D |
| pH: | N/D |
| Physical state: | Liquid |
| Relative density: | N/D |
| Solubility(ies): | Complete in water |
| Upper/lower explosive limits: | N/A |
| Upper/lower flammability limits: | N/A |
| Vapor pressure: | N/D |
| Viscosity: | N/D |
| N/A = Not Applicable | N/D = Not Determined |

## 10 STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal use and/or storage conditions.

Chemical Stability: Product is stable under normal use and/or storage conditions. Safety issues will not arise should the product change in physical appearance.

Other: Hazardous polymerization/decomposition will not occur. Do not expose to extreme high or low temperatures. Avoid exposure to strong oxidizing agents. Avoid electric equipment due to possibility of shock hazard.

## 11 TOXICOLOGICAL INFORMATION

No toxicological data are available for this mixture. Likely routes of exposure are through inhalation and accidental eye/skin contact. Mild immediate effects, such as irritation or redness, may occur. No delayed or chronic effects due to exposure are expected from either short- or long-term exposure. No ingredient in this mixture is listed in the NTP Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the IARC Monographs (latest edition) or found to be a potential carcinogen by OSHA.

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LD50 |
|---|---|---|---|
| Supplier Trade Secret | > 5000 mg/kg (Rat) | > 5000 mg/kg (Rat) | - |
| Supplier Trade Secret | > 5000 mg/kg (Rat) | > 5000 mg/kg (Rat) | - |

## 12 ECOLOGICAL INFORMATION (NON-MANDATORY)

No ecological data are available for this mixture.

## 13 DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Do not dispose of unused product down any drain or sewer. Do not reuse or refill empty container. Offer empty container for recycling, if available, or dispose of in trash. Keep away from children. Also refer to Section 8.

## 14 TRANSPORT INFORMATION (NON-MANDATORY)

This product is not regulated for transport.

## 15 REGULATORY INFORMATION (NON-MANDATORY)

This product has not been registered by the United States Environmental Protection Agency. Pacific Shore Holdings, Inc. represents that this product qualifies for exemption from registration under FIFRA Section 25(b).

Neither this product nor its ingredients appear on any U.S. state lists.

## 16 OTHER INFORMATION

SDS Information:

Number: NCPMX2CC
Date Prepared: 01/01/2025
Version: 1

The information provided in this Safety Data Sheet has been obtained from current sources believed to be reliable. Pacific Shore Holdings, Inc. provides no warranties, either express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration and investigation. Satisfy yourself that you have all current data relevant to your particular use.

**Nature-Cide®**
**Pest Management X2 Commercial Concentrate**

KILLS AND REPELS: Crawling, Flying Insect Pests and Repels Rodents and Reptiles
RECOMMENDED USE: Outdoors, Fogging / Misting, Turf and Ornamental, Mosquito Misting Applications, Power Spraying, Pump Spraying, Fogging and Misting.

## SPECIMEN LABEL

ACTIVE INGREDIENTS:
Cedarwood Oil.....50.6%
Cinnamon Oil .....25.4%
OTHER INGREDIENTS*:.....24.0%
TOTAL:.....100.0%
*Lecithins, Soap & Water

**FIFRA 25(b) Exemption**

**PRECAUTIONARY STATEMENTS**
**CAUTION –** May cause skin and eye irritation. Avoid contact with eyes, skin and clothing. PERSONAL PROTECTIVE GEAR / EQUIPMENT (PPE): Persons handling concentrate are required to wear:
• Protective eyewear • Chemical resistant gloves made of neoprene, nitrile or natural rubber

**USER SAFETY RECOMMENDATIONS:**
• Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
• Remove clothing immediately if the product gets inside.
• Wash thoroughly and put on clean clothing.
• Remove PPE after handling this product.
• Wash the outside of the gloves before removing gloves.

**FIRST AID IF IN EYES**
• Hold eye open and rinse slowly and gently with water for 15-20 minutes.
• Remove contact lenses, if present, after the first 3 minutes, then continue rinsing eye.
• Call a physician if irritation persists.
**IF ON SKIN:**
• Wash exposed area thoroughly with soap and water.
**IF INHALED:**
• Move exposed person(s) to fresh air.
• If breathing problems persist, get medical attention.
**IF INGESTED:**
• Rinse mouth out with water.
• Do not induce vomiting.
• Obtain medical attention if feeling sick or nauseous.

**KEEP OUT OF REACH OF CHILDREN**

# CAUTION

**PRECAUCION AL USUARIO:** Si usted no puede leer o entender ingl´es, o use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(**TO THE USER:** If you cannot read or understand English, do not use this product until the label has been fully explained to you.) See inside label booklet for FIRST AID and PRECAUTIONARY STATEMENTS.

## DIRECTIONS FOR USE

**READ ENTIRE LABEL. USE IN ACCORDANCE WITH LABEL INSTRUCTIONS**.

When using this product as an exterior space spray, be sure to treat areas when people are not present to avoid affecting others with any drift that may occur. Maintain agitation in all spray systems including pump sprayers, power sprayers, power fogging / misting sprayers whenever possible. Nature-Cide® Pest Management X2 Commercial Concentrate is intended for use outdoors in and around buildings and structures as well as passenger transport facilities, on and around turfgrass and ornamentals, shrubbery, foundations, new construction, on or around concrete as a rodent and reptile repellent.

**INDOOR USE: It is Recommended to use the NATURE-CIDE® ALL-PURPOSE COMMERCIAL CONCENTRATE FOR ALL INDOOR APPLICATIONS.**

**OUTDOOR USAGE AREAS:**

Includes, but is not limited to, exterior foundations and outdoor premises of apartment buildings, bakeries, beverage plants, bottling facilities, breweries, cafeterias, candy plants, canneries, cereal processing and manufacturing plants, dairy barns, poultry facilities, flour mills, food processing plants, frozen food plants, homes, hospitals, hotels, houses, industrial buildings, kennels, kitchens, laboratories, manufacturing facilities, mausoleums, meat processing and packaging plants, meat and vegetable canneries, motels, nursing homes, office buildings, restaurants, schools, stores, supermarkets, warehouses, dairy facilities, drive-in restaurants, drive-in theaters, golf courses, parks, unoccupied playgrounds, poultry houses, recreational areas, unoccupied schools, zoos, urban areas, passenger transport facilities and similar structures.

**MODES OF TRANSPORT:**
Aircraft, buses, trucks, trailers, railcars and marine vessels.

**NOTE:** For sensitive outdoor surfaces such as vinyl, plastic, outdoor fabrics, wood decks, concrete floors, etc., test a small non-visible area first before spraying. This includes vinyl siding, all outdoor furniture, storm doors, window frames and shutters, etc. It is possible that Nature-Cide® Pest Management X2 Commercial Concentrate may mark some sensitive surfaces. If spray gets or puddles on any sensitive surface that is listed, simply rinse with water and wipe off with mop or clean cloth. Nature-Cide® Pest Management X2 Commercial Concentrate has multiple water dilution rates that can be applied with conventional application equipment including, but not limited to, compressed air sprayers, power sprayers, misters and foggers. When diluting with water, prepare only the amount needed for immediate use and maintain agitation during use. It's not Recommended to Store Spray Solution Overnight. Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label dosages may be exceeded. This product cannot be tank

mixed with any product with label prohibitions against such mixing. Most effective results are achieved when used as part of a treatment protocol that includes physical, environmental and other chemical pest control measures including Integrated Pest Management protocols (IPM).

**INDOOR USE: It is Recommended to use the NATURE-CIDE® ALL-PURPOSE COMMERCIAL CONCENTRATE FOR ALL INDOOR APPLICATIONS.**

**GENERAL OUTDOOR PEST CONTROL**:

To kill and or repel accessible, exposed stages of crawling and flying insects including, but not limited to, mosquitoes, flies, ants, cockroaches, beetles, grubs, meal worms, fleas, ticks, mites, weevils, spiders, leafhoppers, wasps, hornets, stink bugs, bed bugs, silverfish, potato bugs, crickets, carpenter bees, in outdoor sites that include turf, foliage, shrubbery, building foundations, exterior structure walls and eaves, playgrounds, livestock corrals, poultry coops and pens, passenger transport facilities, boat docks, gardens, that include, but are not limited to, apartments, homes, restaurants, food processing plants, sports fields, industrial installations and warehouses. Thoroughly spray visible and non-visible areas where these insects are usually found with special attention to cracks and crevices, niches, dark corners, wood piles, outdoor drains, non bearing and fruit bearing trees, turf and garden areas, unoccupied playgrounds, unoccupied park benches and any or all structures exterior foundations, walls, eaves, and other harborage sites.

**There are multiple dilution rates for the Nature-Cide® Pest Management X2 Commercial Concentrate. Use lower rates for maintenance service and higher rates for active infestations and to repel pest such as rodents and reptiles. Follow mixing instructions for each target pest.**

**For large area POWER SPRAYING for flying and crawling insects including but not limited to, mosquitoes, flies, fleas, spiders, ticks and ants on but not limited to, turf, foliage, shrubbery, building foundations, boat docks and other outdoor structures, it's recommended to dilute 1 fluid ounces of Nature-Cide® Pest Management X2 Commercial Concentrate per gallon of water.**

**For best bonding/mixing results, ALWAYS add water to solution, never add solution to water.**

**FOGGING / MISTING**

**Nature-Cide® Pest Management X2 Commercial Concentrate for fogging and misting apparatuses, it's recommended to dilute 2 fluid ounces of Nature-Cide® Pest Management X2 Commercial Concentrate per gallon of water.**

**For best bonding/mixing results, ALWAYS add water to solution, never add solution to water.**

**(This formulation is not recommended for automatic misting systems)**

This formulation may be applied as a space spray through conventional fogging and misting equipment (including mist sprayers and mist blowers as well as backpack mist

blowers) and/or related application technologies. To kill and or repel accessible exposed stages of crawling and flying insects including, but not limited to, mosquitoes, flies, noseeums, ants, cockroaches, beetles, meal worms, fleas, ticks, mites, weevils, spiders, leafhoppers, wasps, hornets, stink bugs, bed bugs, silverfish, potato bugs, crickets, carpenter bees, in outdoor sites that include turf, foliage, shrubbery, building foundations, exterior structure walls and eaves, unoccupied playgrounds, livestock corrals, poultry coops and pens, passenger transport facilities, boat docks, gardens, that include, but are not limited to, apartments, homes, restaurants, food processing plants, sports fields, industrial installations, passenger transport facilities and warehouses.

**PUMP SPRAYING FOR INSECTS**

## OUTDOOR USE

**PERIMETER TREATMENTS, RECREATIONAL and HIGH TRAFFIC AREAS:**

**Its recommended to dilute 2 fluid ounces of Nature-Cide® Pest Management X2 Commercial Concentrate per gallon of water. For best bonding/mixing results, ALWAYS add water to solution, never add solution to water.**

To kill and repel but not limited to aphids, ants, boxelder bugs, centipedes, cockroaches, crickets, darkling beetles, firebrats, fleas, ground beetles, fowl mites, mites, millipedes, pillbugs, silverfish, sowbugs, spiders, ticks and wasps. In compressed air pump sprayers, apply at the rate of 2 gallons per 1,000 square feet or until area is thoroughly wet. Also apply to a band of soil and vegetation 4 to 8 feet wide around and adjacent to buildings. Treat the building foundation to a height of 2 to 5 feet with sufficient formulation for coverage. Make special efforts to spray areas where pest species congregate such as, but not limited to, waste / trash receptacles, dumpsters, unoccupied picnic tables, the exterior of food handling establishments, and food pavilions. Additionally, apply around potential entry areas such as, but not limited to, eaves, windows, doorways, porches, around porch lights, and around utility boxes.

**PUMP SPRAYING AS A RODENT / REPTILE / BIRD REPELLENT**

**It is recommended to dilute 7 fluid ounces of Nature-Cide® Pest Management X2 Commercial Concentrate per gallon of water. For best bonding/mixing results, ALWAYS add water to solution, never add solution to water.**

**To repel pests but not limited to, rats, mice, squirrels, snakes, lizards and various bird life, mix above list dilution rate and treat various areas where these pests frequent.**

To repel but not limited to rats, mice and squirrels other rodents around dwellings or structures treat a 2 to 4 foot surrounding band around the entire structure, as well as all known rodent runways. Treat waste / trash receptacles, dumpsters, unoccupied picnic tables, the exterior of food handling establishments, food pavilions and other areas where it's known that rodents may be feeding and congregating.

To repel but not limited to snakes, lizards, turtles and geckos, treat a 4 to 6 foot band around all fence lines and or areas and structures where these reptiles have been seen harboring and or traveling, pay close attention to areas not accessible to animals or humans, like woodpiles, thorn bushes or shrubbery where reptiles can harbor undetected. **(It is recommended to install snake fencing as well as treating areas of concern where small animals and children may be congregating).**

**MOUND DRENCH METHOD - FOR CONTROL OF FIRE ANTS AND OTHER MOUNDING ANTS:**

**It is recommended to dilute 2 fluid ounces of Nature-Cide® Pest Management X2 Commercial Concentrate per gallon of water for mounding ants. For best bonding/ mixing results, ALWAYS add water to solution, never add solution to water.**

Apply 1 to 4 gallons of the **Nature-Cide® Pest Management X2 Commercial Concentrate** ready to use formulation to each mound depending on mound size, by sprinkling the mound area until it is wet and treat a 4 foot diameter circle around the mound, as well as pouring solution into the mound opening. For best results, apply in at evening or morning times or cool weather.

**MOSQUITO CONTROL AND OTHER BITING FLIES - OUTDOOR YARD OR BARRIER TREATMENT:**

To control adult mosquitoes and other biting flies using ground application, dilute 1 to 2 fluid ounces of **Nature-Cide® Pest Management X2 Commercial Concentrate** per gallon of water. Treat harborage areas such as shrubbery and vegetation where mosquitoes/flies may rest. Shrubbery and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated. Repeat as necessary.

**MOSQUITO CONTROL AND OTHER BITING INSECTS - AUTOMATIC SPRAYING SYSTEMS:**

Automatic spraying systems must not be programmed to release pesticides where food or feed is directly exposed. To repel but not limited to flies, house flies, hornets, wasps, horn flies, stable flies, horse flies, mosquitoes and gnats, **add 1 fluid ounce of Nature-Cide® Pest Management X2 Commercial Concentrate to each 1 gallon of water (For best bonding/mixing results, ALWAYS add water to solution, never add solution to water)** to tank and agitate well while adding water and maintain thorough agitation while system is in use. In automatic spraying systems like, but not limited to, misting systems used for mosquito and other biting insect control, solutions of **Nature-Cide® Pest Management X2 Commercial Concentrate** should not be stored for extended periods of time, not to exceed one week, as long as the system has regular agitation.
**(Appropriate quantity of adjuvant can be used, as long as there are no label restrictions)** Dispense diluted concentrate through automatic spraying system. Set nozzles to deliver one fluid ounce liquid per minute. Locate nozzles to cover a maximum of 2,000 square feet of space per nozzle. Set timer to operate in accordance with equipment directions. Dilute **Nature-Cide® Pest Management X2 Commercial**

**Concentrate** just prior to use at **1 fluid ounce per gallon of water.**

**TO CONTROL SPIDERS, FLYING INSECTS, AND OTHER NUISANCE PESTS ON AND AROUND BOAT DOCKS:** As an aid in the elimination of their harborage areas, dilute 1 to 2 fluid ounces of **Nature-Cide® Pest Management X2 Commercial Concentrate** per gallon of water and apply at the rate of 2 gallons per 1,000 square feet or until area is thoroughly wet. Since flying insects can migrate in and out of the treatment area, it is recommended to use this product as part of an Integrated Pest Management (IPM) program. This includes, but is not limited to, eliminating breeding and harborage sites.

**USE ON TURF AND GRASS:**

**Use alone as a contact spray.** To control ants, armyworms, billbugs, chinch bugs, chiggers, crickets, cutworms, earwigs, fleas, grasshoppers, Hyperodes weevils (adults), Japanese beetles (adults), grubs, mole crickets, sod webworms and ticks, dilute in a compressed air sprayer (or backpack), **2 fluid ounces of Nature-Cide® Pest Management X2 Commercial Concentrate** per gallon of water and apply at the rate of 2 to 4 gallons per 1,000 square feet or until area is thoroughly wet. For power sprayers, mix approximately 1 to 2 fluid ounces per gallon of water and apply until area is sufficiently covered (usually minimum of 4 gallons per 1,000 square feet with power sprayer). Exceeding mix rates may create potential phytotoxicity of turf surfaces.

**USE ON NON-BEARING TREES AND SHRUBS:**

To control mites, scale insects, mealybugs, aphids, lace bugs, whiteflies, tent caterpillars, bagworms and beetles, dilute up to **1 to 2 fluid ounces of Nature-Cide® Pest Management X2 Commercial Concentrate per gallon of water** and apply using a compressed air sprayer or power sprayer until foliage is thoroughly wet. Maintain agitation. Exceeding rates may create potential phytotoxicity on plant surfaces. Dilute with enough water to obtain thorough coverage.

## OUTDOOR LIVESTOCK FACILITY USE DIRECTIONS

## IT IS RECOMMENDED TO USE THE NATURE-CIDE® ALL-PURPOSE COMMERCIAL CONCENTRATE FOR ALL DIRECT USAGE ON ANIMALS, LIVESTOCK AND BIRD LIFE.

**DILUTION - NATURE-CIDE® PEST MANAGEMENT X2 COMMERCIAL CONCENTRATE -** 1 to 2 fluid ounces per gallon of water, apply 1 gallon of the ready to use dilution per 500-1,000 sq ft for all livestock, horse and poultry bird areas and thoroughly cover but not limited to exterior walls, exterior coverings or other areas where pests rest or congregate in or around dairy barns, poultry houses, stables, swine buildings, open livestock sheds, and other parts of exterior farm buildings.

**REMARKS -** Care should be taken that the spray does not come in direct contact with lactating cow's teats unless they are washed with an approved cleansing solution

and dried before milking. Apply the spray in the area at least 30 minutes prior to milking or after milking has been completed.

**OUTDOOR POULTRY USE -**
**INSECT - Poultry lice, Bedbugs and Mites**
**DILUTION - NATURE-CIDE® PEST MANAGEMENT X2 COMMERCIAL CONCENTRATE - For Outdoor poultry usage it's recommended to dilute 2 fluid ounces of Nature-Cide® Pest Management X2 Commercial Concentrate per gallon of water. For best bonding/mixing results, ALWAYS add water to solution, never add solution to water.**

**REMARKS -** Spray outdoor roosts, roost poles, outdoor overhangs and connected walls (especially cracks in walls), and outdoor nests or cages thoroughly. It is not necessary to remove poultry from the outdoor housing units during treatment.

This should be followed by spraying over the birds with a fine mist of the **Nature-Cide® All-Purpose Commercial Concentrate**

**CANNABIS CULTIVATION AND OTHER ORGANIC VEGETATIVE PRODUCTION FACILITIES**

Nature-Cide® also works as a highly effective insecticide but not limited for usage for mites, whiteflies, aphids and other pest associated with cultivation facilities. The **Nature-Cide® Pest Management X2 Commercial Concentrate** formula is designed for kill on contact and other cleaning protocols to keep a facility pest free. Spray all facilities liberally onto and around areas where pests frequent or may be harboring, including foundations, doorways, eaves, window frames, walkways and other areas associated with indoor and outdoor cultivations. **When using power spraying equipment for large areas, it's recommended to dilute 1 fluid ounce of Nature-Cide® Pest Management X2 Commercial Concentrate per gallon of water. For best bonding/mixing results, ALWAYS add water to solution, never add solution to water.**

**When using a pressurized pump sprayer it's recommended to dilute 2 oz of Nature-Cide® Pest Management X2 Commercial Concentrate per gallon for spot treatments and facility surroundings. For best bonding/mixing results, ALWAYS add water to solution, never add solution to water.**

**It is recommended to use the Nature-Cide® All-Purpose Commercial Concentrate for direct usage on Cannabis or other Organic plant life and follow directions accordingly.**

**FOR CHEMICAL SPILL, LEAK, FIRE, OR MEDICAL EMERGENCIES, CALL: 911**
**KEEP ALL INSECTICIDES OUT OF REACH OF CHILDREN**

**CONTAINER DISPOSAL:** Triple rinse or its equivalent, then offer for recycling or reconditioning, or puncture and dispose of within regular trash.

**FOR CONTAINERS ONE GALLON AND SMALLER:**
**STORAGE:** Store in original container in a dry, cool place inaccessible to children and pets.

**DISPOSAL:** Do not reuse container. Recycle or Discard in trash.

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY NOTICE:**

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The following products are not for sale in the following states: New Mexico