

The Future of Pest Management

Pest control & Lawn Care Application Rates

Natures Defender Concentrated Formula is designed for professionals to kill & repel crawling, flying Insects, eggs, larvae & nymphs.

Recommended Uses:

Outdoor areas: lawns, trees, shrubs, gardens & agriculture

Recommended Equipment: Power Sprayers, Backpack and hand held Pump Sprayers, Fogging, Misting systems, Water injection pumps, Fan sprayers, electrostatic vineyard sprayers, Tractor Boom sprayers

First Application - Although not required it is recommended to apply a second application in a 7 to 10 day period to establish control of the egg laying cycle. Then spray once every 30 days or as needed.

Average dilution rates: 2%

NOTE: When using truck or trailer mounted tanks blend 1-gallon concentrate to 100 gallons water.

Application Rates:

Turf and Grass Management: Use **Natures Defender Professional Formula** as a general pest management spray and repellent. Fleas, ticks, ants, mosquitoes, mites, armyworms, chinch bugs, crickets, grasshoppers, grubs and other crawling insects

Application rate: Dilute 2% Natures Defender per gallon of water apply approximately 1 gallon per 1000 sq. ft.

Recommended equipment: backpack, compressed air, pump or power sprayer until foliage is thoroughly wet.

Exceeding mix rates may create potential phytotoxicity of flowers and other ornamentals surfaces.

Trees, Shrubs, Vineyards & Fruit Trees Management: To control mites, scale insects, mealybugs, aphids, lace bugs, whiteflies, tent caterpillars, bagworms and beetles. **Note:** Also, controls Powdery Mildew.

Recommended equipment: Fan, misting, until foliage is thoroughly wet on upper and lower leafs.

Exceeding rates may create potential phytotoxicity on plant surfaces.

Smaller equipment - backpack & pump sprayer rates 1.5% (1.92 oz.) concentrates per gallon water using backpack, compressed air or pump sprayer.

large equipment: Truck / Trailer mounted equipment rates. 1-gallon concentrate to 100 gallons water - Spray until foliage is thoroughly wet. "Drip Point"

Fire Ant Management:

Application rate: dilute 2% **Natures Defender** per gallon water

Recommended equipment: backpack, compressed air, pump or power sprayer until foliage is thoroughly wet.

- 1)** Apply 1 gallon of the pre-mixed ready to use formulation to each mound
- 2)** Spray a 4 foot diameter around the mound,
- 3)** Applicator should concentrate on the opening of the mound (if possible)
- 4)** Recommended to spread the cedar granules in a 4 foot diameter circle around the mound

Grub Control Management:

Application rate: 3% **Natures Defender**

Recommended equipment: backpack, compressed air, pump or power sprayer until foliage is thoroughly wet.

- 1)** Drench affected area, if possibly drill/make narrow holes 2-3 inches deep. Fill with pre-mixed ready to use solution.
- 2)** If unable to make holes it is recommended to spray affected area liberally and then soak in with water.

Cinch Bugs and Sod Webworms Management: Treat entire grass area rather than just damaged areas. Repeat application in 2-3 weeks, if necessary.

Application rate: 2% **Natures Defender**

Recommended equipment: backpack, compressed air, pump or power sprayer until lawn & foliage is thoroughly wet

Tick Management: Controls adults, eggs, nymphs

Application rate: 2% **Natures Defender** using small hand-held & back pack apparatuses **Note:** for larger truck mounted systems 1-gallon conc. to 100 g water

Recommended equipment: backpack, compressed air, pump or power sprayer until lawn & foliage is thoroughly wet

Mosquito Control: To control adult mosquitoes & larvae

Application rate: 2% **Natures Defender** to treat areas such as shrubbery and vegetation where mosquitoes & larvae harbor. Applicators should concentrate on shrubbery and vegetation around stagnant pools, marshy areas, ponds and shorelines. Repeat application as often as necessary.

Recommended equipment: Fogging, backpack, compressed air, pump or power sprayer until foliage is thoroughly wet.

Nematode Management:

Best application is to spray soil down prior to planting, then plowing the soil.

Application rate: 1-gallon concentrate to 200 gallons of water - 20 gallons per acre of crops **Treats:** approximately 10 acres

Livestock Facilities including exotics, hogs, cattle, goats and fowl:

Application rate: 2 fluid oz. per gallon of water, apply 1 gallon of dilution per 500 sq ft to livestock, horse and poultry areas and thoroughly cover exterior walls of dairy barns, exotic and livestock sheds, poultry houses & hog facilities

Recommended equipment: backpack, compressed air, pump or power sprayer until foliage is thoroughly wet.

Cannabis Plant Management: Cedarcide Professional Formula is highly effective insecticide for mites, whiteflies, aphids and other pest associated with outdoor & indoor facilities. The Cedarcide Professional Formula is manufactured as a direct kill solution.

Indoor Growing Facilities: 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.

Application rate for indoor and outdoor growing: 1 fluid oz. per gallon of water

Note: Spray plants till drip point

Recommended equipment: backpack, compressed air, pump or power sprayer until foliage is thoroughly wet

Additional applications: Conventional fogging (2 oz. per gallon water) misting equipment (25 oz. per 55 gallon barrel of water)

NOTE: Also controls Powdery Mildew

Agriculture uses Row Crops: 1:250

Cedarcide Pest Management Concentrate is used for a variety of arthropods: mites, aphids, Grasshoppers, Leaf hoppers, Stink bugs, Beetles & ants. Highly effective on Powdery Mildew.

Best pest management agenda, thoroughly spray initial application, additional applications every 30 – 45 days or as often as needed.

Recommended Equipment: Power Sprayers, Backpack and hand held Pump Sprayers, Fogging, Misting systems, Water injection pumps, Fan sprayers, electrostatic vineyard sprayers, Tractor Boom sprayers

Application rate: 1gallon concentrate to 250 gallons of water – 25 to 30 gallons per acre of crops

Automatic water injection systems through sprinkler systems:

2 oz. per zone per 1000 sq. ft. per month is the recommended dosage. Dispense diluted concentrate through automatic system for the control of fleas, ticks, chiggers, mosquitoes, ants and other flying and crawling insects.

Fogging & Misting Systems: Control of flying insects

Application rate: dilute 2 fluid oz. per gallon of water.

Recommended equipment: Conventional fogging and misting equipment

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

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