



DEBUG TURBO

INSECT AND PEST CONTROL

FOR LANDSCAPE & LAWN SERVICE CONTRACTORS

General: DEBUG TURBO is a neem based (containing about 67% Neem Extract with Azadirachtin, and 20% Synergist) insecticide, repellent, anti-feedant and growth regulator. It comes packed as an emulsifiable concentrate in 1.25 Gallons plastic containers.

For the Control of: Cutworms, Mole Cricket Nymphs, Aphids, Grubs, Chinch bugs, Spittle bugs, Sod webworms, Thrips, Beetles, Euro-crane flies, Leafhoppers, Fruit worms, Spider mites, Whiteflies, Cucumber beetles, Caterpillars, Cabbage loopers, Armyworms, Colorado potato beetles, Diamondback moths, Grasshoppers, Maggots, Mealybugs, Red ants, Rose Chafer, Curculio, Leaf beetle, Midge, Scale, Leafminer, Fungus gnats, Borers, Lace bugs, Bagworms, Psyllids, Webworms, Hydrangea leaf-tier, etc.

For Use on: Lawns, Parks, Playgrounds, Flowers, Fruit Trees, Vegetable Gardens,, and Ornamentals.

Sprayer Requirements: We recommend a backpack sprayer for smaller areas, and a tank sprayer for larger areas. Use sprayer at maximum pressure to ensure that DEBUG TURBO is pushed to the root-zone (for turf), and spray as to completely cover the foliage including the underside of leaves (for flowers, ornamentals, and fruit trees). Remember DEBUG TURBO is more of a contact insecticide.

For DEBUG TURBO to be most effective, it is important that the pH of the water used for mixing should be around 5.5. Please bring the pH close to the desired level, by using a buffer, like citric acid.

Apply early morning or late evening (less than 95°F).

Treatment: (a) Backpack Sprayer:
Usually these are 2-3 gallons in capacity. Mix DEBUG TURBO at the rate of 0.5 to 1% volume to volume with water i.e. mix 1.25 to 2.5 fl. oz. of DEBUG TURBO in 2 gallons water. This is usually sufficient to cover approximately 100 sq. ft. to 200 sq. ft. area of Turf. Apply uniformly over the area. Irrigate the applied area with water (using a sprinkler system) so that the DEBUG TURBO is pushed to the root-zone. For flowers, ornamentals, and fruit trees, completely drench the



foliage including the underside of the leaves, to get complete coverage.

(b) Tank Sprayers:

For larger tank sprayers of, mix at the rate of 0.5 to 1 gallon of DEBUG TURBO with 100 gallons of water. Agitate the tank and spray uniformly directly into the turf. Use sprinkler to push the DEBUG TURBO to the desired depth ($\frac{1}{4}$ to $\frac{1}{2}$ inch). For flowers, ornamentals, and fruit trees, completely drench the foliage including the underside of the leaves, to get complete coverage.

Note:

Use up all the mixed materials during the application. Do no reuse pre-mixed material at a later date.

Applications:

1. First application to start in early spring.
2. Repeat this application on a bi-weekly or monthly basis through summer, and fall.
3. Apply more often to specific infestations in fruit or flower crops.
4. Do a final application in the fall to close out the season.

It is highly recommended that DEBUG TURBO is used as a preventative even if there is no visible insect problem.