

Agriculture, Horticulture, Greenhouse, Golf Courses, Turf, Parks & Ornamentals



Peel here to open →

**Emulsifiable Concentrate Antifeedant, Insect Repellent, Insecticide, Miticide, Fungicide & Nematicide**

**ACTIVE INGREDIENT:**

Fats and Glyceridic 70.00%

Oils of Margosa 30.00%

OTHER INGREDIENTS: 30.00%

TOTAL: 100.00%

5.3 LBS (2403 GRAMS) ACTIVE INGREDIENT PER GALLON OF PRODUCT

**SHAKE THIS CONTAINER WELL BEFORE USE  
KEEP OUT OF REACH OF CHILDREN  
CAUTION**

 **FOR ORGANIC GARDENING**



**FIRST AID**

**If on skin  
or clothing**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes
- Call a poison control center or doctor for treatment advice.

**If inhaled**

- Move person to fresh air.
- If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.
- Call a poison control center or doctor for further treatment advice

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Non emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 Monday through Friday, 8:00AM to Noon Pacific Time (NPIC Web Site: [www.npic.orst.edu](http://www.npic.orst.edu)). For medical emergencies call your poison control center at 1-800-222-1222.

**Net contents: 2.5 Gallons**

**MANUFACTURED FOR : Agro Logistic Systems, Inc.**

**P.O. Box 5799, Diamond Bar, CA 91765, U.S.A. TEL: (714) 990-9220 Website: [www.agrologistic.com](http://www.agrologistic.com)**

**EPA REGISTRATION No. 70310-11**

**EPA ESTABLISHMENT No. 92815-IND-001**



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Harmful if absorbed through skin or if inhaled. Causes moderate eye irritation. Avoid breathing spray. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Applicators, Mixers and other handlers must wear

- Coveralls
- Socks, shoes, and
- Chemical resistant gloves.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables use detergent and hot water. Keep and wash PPE separately from other laundry

**USER SAFETY RECOMMENDATIONS**

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinseate. This product is toxic to fish and aquatic invertebrates. Drift or runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

PRODUCT OF INDIA

MANUFACTURED FOR

**Agro Logistic Systems, Inc.**

P.O. Box 5799, Diamond Bar, CA 91765, U.S.A.

TEL: (714) 990-9220 Website: [www.agrologistic.com](http://www.agrologistic.com)

**EPA REGISTRATION No. 70310-11**

**EPA ESTABLISHMENT No. 92815-IND-001**

### **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

---

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personnel protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours. PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil or water is:

- Coveralls
  - Chemical resistant gloves, such as barrier laminates or butyl rubber or nitrile rubber or PVC.
  - Shoes and socks
- 

### **NON- AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used on agricultural plants on farms, forests, nurseries, or greenhouses. Keep unprotected persons out of treated areas until sprays have dried.

---

### **STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal.

**PESTICIDE STORAGE:** Keep in original packaging in cool and dry place (between 60 degrees F and 80 degrees F) away from sunlight and foodstuffs. Do not refrigerate. For Commercial Agricultural Use.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable Container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances.

**DEBUG-ON**  
**PLEASE READ THE FOLLOWING INFORMATION CAREFULLY BEFORE USING**  
**DEBUG-ON**

**TANK MIXING:**

1. Determine the acreage to be treated with DEBUG ON.
2. RII tank with appropriate amount of water.
3. Add the pre-measured amount of DEBUG ON.
4. Keep tank agitated with an agitation device. Proper agitation is required, especially when mixing DEBUG ON with other pesticides.

**MIXING DIRECTIONS:**

**SPRAYING DIRECTIONS:**

Spray DEBUG ON using a boom system, propeller turbine system (indicated for orchards); pressure hose with gun sprayers, powered back sprayers and manual hand sprayers. Use a minimum boom pressure of 160 psi and maximum tractor speed of 2.0 miles per hour. Use horizontal nozzles at 10- inch spacing and two vertical drops, one at each end. Each vertical drop must have two nozzles, one at 90 deg angle and the other at 45 deg angle. The water used for mixing should have a pH at about 5.5 for DEBUG ON to be most effective. If necessary, use a buffer to bring the pH to the desired level.

1. DURING APPLICATION, MAKE SURE THAT THE SPRAY COVERS THE ENTIRE PLANT INCLUDING THE UNNERSIDE OF LEAVES.
2. AERIAL APPLICATIONS: DEBUG ON may be aerially applied using suitable equipment such as fixed-wing aircraft or helicopters

**CHEMIGATION DIRECTIONS**

**GENERAL CHEMIGATION REQUIREMENTS:**

- A. "Apply this product only through sprinkler, or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system."
- B. "Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water."
- C. "If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts."
- D. "Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place."
- E. "A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise."

**SPRINKLER CHEMIGATION REQUIREMENTS:**

1. "The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow."
2. "The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump."
3. "The pesticide injection pipeline must also contain a functional, normally closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down."

4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops". The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected". Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. 5. Do not apply when wind speed favors drift beyond the area intended for treatment. 6. Agitation is generally recommended in the pesticide supply tank. 7. Apply this product continuously for the duration of the water application. 8. A supply tank is recommended for this product. If using a supply tank, dilute this product at the rate 5.0 Gallons per 500 gallons of water. 9. Apply between 1200 to 1500 gallons of water per acre to achieve efficacy.

#### **DRIP (TRICKLE) CHEMIGATION REQUIREMENTS:**

1. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow. 2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. 3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. 4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. 5. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. 6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. 7. Agitation is generally recommended in the pesticide supply tank. 8. Apply this product continuously for the duration of the water application. 9. A supply tank is recommended for this product. If using a supply tank, dilute this product at the rate of 5.00 Gallons per 500 gallons of water. 10. Apply between 1200 to 1500 gallons of water per acre to achieve efficacy.

## **For Golf Courses, Turf, Parks & Ornamentals NEMATODE, AND TURF INSECT CONTROL**

#### **For Organic Turf Use. Controls many insects including:**

Red ants, Cutworms, Grubs, Chinch bugs, Crickets, Aphids, Whiteflies, Thrips, Beetles, Leafhoppers, Fruit worms, Spider mites, Caterpillars, Cabbage loopers, Armyworms, Colorado potato beetles, Diamondback moths, Grasshoppers, Maggots, Weevils, Chafers, Spider Mites, spittlebugs, Webworms, Rhizoctonia solani, Sclerotium rolfsii, Sclerotinia sclerotiorum, Fusarium oxysporum, Rust, and Powdery Mildew, Pythium

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**1. SHAKE THIS CONTAINER WELL BEFORE USE.**

**2. FOR INSECT AND WORM CONTROL (see above list):**

**MIX 2 TO 10 FL. OZ. OF DEBUG ON IN 2 TO 3 GALLONS OF WATER (or 96 FL. OZ. to 500 FL. OZ. of Debug Turbo with 100 gallons water per acre). Ensure that pH of this mixture is around 5.5 by using a buffer. Spray the mixture on to 1000 square feet of turf. Using sprinklers or other means, deliver additional amounts of water to push the material to ¼ inch - ½ inch below ground level. For worm and insect control apply at the earliest sign of infestation. Repeat the application at 7- 10 days interval if infestation persists.**

**3. SPRAY DEBUG-ON IN THE EARLY MORNING OR LATE AFTERNOON.**

**4. USE ALL OF THE DILUTED MATERIAL SOON AFTER MIXING. DO NOT SAVE MIXED MATERIAL.**

**5. USE AS A PREVENTATIVE TO KEEP INSECTS AWAY.**

### GENERAL:

- **DEBUG ON is more effective when used as a preventative.**
- **DEBUG ON is a broad-spectrum herbal insecticide.**
- **DEBUG ON affects the insects at all stages of growth.**
- **IF GELLING OCCURS, WARM IT TO ROOM TEMPERATURE BEFORE APPLICATION.**

### WARRANTY:

**AGRO LOGISTIC SYSTEMS, INC. warrants that material contained herein conforms to the description on the label and is reasonably useful for the purposes referred to in the directions for use. Method of application and timing, weather, cultural practices, insect problem, crop condition, and incompatibility with other chemicals not specifically recommended in the use of this product are beyond the control of the seller. It is the manufacturer's intention that the buyer assumes risk of use, storage or handling of this material not in strict accordance with directions given herein.**

## AGRICULTURAL, HORTICULTURAL, AND GREENHOUSE USE

### CROPS

Top fruits including but not limited to Citrus, Lemons, Oranges, Grapefruits, Pummalo, Apples, Plums, Peaches, Apricots, Avocados, Figs, Prunes, Nectarines, Pears, Mangoes, Cherries, Kiwifruit, Kumquats, Loquats, Quinces, Persimmons, and Palm.

Cucurbits, Watermelons, Gherkins, Squashes, Pumpkins, Gourds, Bitter melons, Chayote, Okra, Asparagus, and Melons.

Bulb, Cole and Leafy vegetables including but not limited to Broccoli, Brussels sprouts, cabbage, cauliflower, Celery, Lettuce, Endives, Kale, Parsley, Onions, Garlic, Shallots, Leeks, Kohlrabi, Chard, Collard, Amaranth, Radicchio, Chicory, Mustard Greens, Rapeseed, Mizuna, Arugula, and Spinach.

Root and Tuber vegetables including but not limited to Beets, Carrots, Ginger, Radish, Horseradish, Potatoes, Turnips, Yams, Sweet Potatoes, Ginseng, Rutabagas, Watercress, Artichokes and Turmeric.

Legumes including but not limited to Beans, Lentils, Peas, Peanuts, Soybeans and Garbanzo Beans.

Cereals including but not limited to Barley, Corn, Millet, Rice, Rye, Sorghum, Triticale, Oats, and Wheat.

Alfalfa and other feed & forage crops. Grasses. Fruiting vegetables including but not limited to Tomatoes, Tomatillos, Bell Peppers, Chili Peppers, and Eggplant. Berries including but not limited to Blackberries, Blueberries, Currants, Strawberries, cane berries, Gooseberries, Raspberries, Cranberries, Loganberries, Huckleberries, and Boysenberries. Grapes. Tropical fruits including but not limited to Banana, Cherimoyas, Mangoes, Guavas, Papayas and Pineapple.

Cotton and oilseeds including but not limited to canola, Sesame, Rapeseed, Sunflower, Safflower, Olive, Peanut and Jojoba Herbs & Spices including but not limited to Mints, Anise, Basil, Chives, Coriander, Dill, Fennel, Marigold, Sage, and Thyme.

Mushrooms, including but not limited to Agaricus, Bella, Enoki, Maitake, Oyster, Shiitake, and other specialty mushrooms. Nuts including but not limited to Almonds, Pecans, Pistachios, cashews, Chestnuts, Macadamia, Hazelnuts, Brazil nut, Water chestnuts, and Walnuts. Coffee, Tea, Tobacco and Sugarcane.

Greenhouse Crops and ornamentals including but not limited to Chrysanthemums, Poinsettias, Roses, Lilies, Geraniums, Daisies, carnations, Salvia and Dahlias. All Starter Vegetable and fruit Crops.

### INSECT PESTS/MITES/DISEASES/NEMATODES

Aphids

Armyworms

Fall Armyworms

Beetles, Beanleaf Beetles, Cucumber Beetles, Japanese Beetles, Mexican Beetles, Colorado Potato Beetles, Potato Flea Beetles, Corn beetles, Flea Beetles Borers, Budworms.

casebearers, caterpillars, Codling Moth

Fruit Flies

Gnats, Fungus Gnats, Grasshoppers, Grubs

Leaf Hoppers, Leaf Perforators, Leafminers, Leafrollers, Loopers, cabbage

loopers, Lygus Bug

Maggots, Onion Maggots, Mealybugs,

Mildew, Rust and Powdery Mildew, Mites, Two Spotted Spidermites, Pacific Spider Mites.

Moths, Diamondback Moths, Gypsy Moths, Grape Berry Moths, Nematodes

Orange Toxix

Phylloxera, Phythium, Psylla, Psyllids

Rhizoctonia Solani

Scales, San Jose Scale

Sclerotinia Sclerotiorum

Sclerotium Rolfsii

Sharpshooters

Sucker Ants

Thrips

Weevils, Pepper Weevils, Boll weevils

Whiteflies

Worms

Wireworms

Webworms

Budworms

Alfalfa Worms

Boll Worms

Pickle Worms

Fagot Worms, Root Worms, Ear Worms, Cut Worms

### DIRECTIONS FOR CROP APPLICATIONS

#### STANDARD APPLICATION : ALL APPLICATION RATES ARE FOR ONE ACRE

56 Fl. Oz to 364 Fl. Oz. of Debug-ON mixed with 100 gallons water or sufficient amount of water to ensure total foliar coverage. When applying in high population crops like berries and fruit trees, use dilution of 96 Fl. Oz. to 640 Fl. Oz. of Debug-ON with 150 to 300 gallons of water. Repeat application at 7 to 14 day intervals, at least once and if necessary additional times.

For Greenhouse crops Prepare a 1.0% - 3% (1.25 oz.- 3.75 oz. / Gal) solution of Debug-ON in water and completely drench the plants. Repeat every 5 to 7 days till infestation clears.

#### WE RECOMMEND USING DEBUG TURBO AS PREVENTATIVE APPLICATION EVEN IF THERE IS NO INFESTATION

Start applying when the plants are tall enough to be susceptible to infestation. Use the following:

- . For Baby Vegetables, apply 10 days after planting and repeat again in 7 to 10 days.
- . For Regular Vegetables, apply when the plant has grown two leaves or is 6 inches tall. Repeat application every 10 to 15 days.
- . For Fruit Trees, apply when the tree ends dormancy and continue to repeat applications every 10 to 15 days.
- . For Berries, apply when the plant ends dormancy and continue to repeat applications every 10 to 15 days.
- . For Grasses and Forage Crops like Alfalfa, apply in spring, approximately 2 weeks after dormancy period is over, and repeat every 10 to 15 Days

FATS, AND GLYCERIDIC OILS MARGOSA (NEEM OIL) IS EXEMPT FROM THE REQUIREMENT OF A TOLERANCE AS PER 40 CFR 180.1291. THERE IS NO LIMIT ON THE NUMBER OF APPLICATIONS.

### Agro Logistic Systems, Inc.

P.O. Box 5799, Diamond Bar, CA 91765, U.S.A.

TEL: (714) 990-9220; FAX: (714) 990-9222

e-mail: [info@agrologistic.com](mailto:info@agrologistic.com) Website: [www.agrologistic.com](http://www.agrologistic.com)

EPA REGISTRATION No. 70310-11

EPA ESTABLISHMENT No. 92815-IND-001



Agriculture, Horticulture, Greenhouse, Golf Courses, Turf, Parks & Ornamentals



Peel here to open →

**Emulsifiable Concentrate Antifeedant, Insect Repellent, Insecticide, Miticide, Fungicide & Nematicide**

 **FOR ORGANIC GARDENING**



**ACTIVE INGREDIENT:**

Fats and Glyceric 70.00%  
Oils of Margosa 30.00%  
OTHER INGREDIENTS: 30.00%  
TOTAL: 100.00%

5.3 LBS (2403 GRAMS) ACTIVE INGREDIENT PER GALLON OF PRODUCT



**SHAKE THIS CONTAINER WELL BEFORE USE  
KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**FIRST AID**

**If on skin  
or clothing**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes
- Call a poison control center or doctor for treatment advice.

**If inhaled**

- Move person to fresh air.
- If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.
- Call a poison control center or doctor for further treatment advice

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Non emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 Monday through Friday, 8.00AM to Noon Pacific Time (NPIC Web Site: [www.npic.orst.edu](http://www.npic.orst.edu)). For medical emergencies call your poison control center at 1-222-1222.

**Net contents: 2.5 Gallons**

**MANUFACTURED FOR : Agro Logistic Systems, Inc.**

**P.O. Box 5799, Diamond Bar, CA 91765, U.S.A. TEL: (714) 990-9220 Website: [www.agrologistic.com](http://www.agrologistic.com)**

**EPA REGISTRATION No. 70310-11**

**EPA ESTABLISHMENT No. 92815-IND-001**

---

---

Batch No:  
Manufacturing Date:  
Expiry Date:

---

---